APOPKA CITY COMMISSION AGENDA

August 5, 2026 1:30 PM

Apopka City Hall Commission Chambers

APOPKA CITY COMMISSION MEETING WILL BE LIVE-STREAMED ON YOUTUBE. TO WATCH, PLEASE VISIT:
https://www.youtube.com/CityofApopkaFL

CALL TO ORDER

INVOCATION

Vice Mayor Velazquez's selection for Invocation is: Pastor George Sotolongo, Remnant Christian Church

PLEDGE

PUBLIC COMMENT PERIOD

The Public Comment Period is for City-related matters that are not on today's Agenda as business items or public hearings. If you are here to speak for a matter that requires a public hearing, please wait for that item to come up on the agenda. The Public Comment period will be held to a total of thirty (30) minutes. Each speaker will be given three (3) minutes to speak. If you are here for the Public Comment Period, please fill out a GREEN Intent to Speak Form and provide it to the City Clerk prior to the start of the meeting. When the Mayor calls for Public Comment Period, the City Clerk will read the submitted GREEN Intent to Speak Forms in the order they were received. Should a large number of citizens submit public comment period speaker cards, the speaking time per citizen may be reduced to a maximum of two (2) minutes per speaker, to give as many citizens an opportunity to speak as possible during the Public Comment Period. Groups of citizens who wish to speak on the same item or concern may elect a spokesperson to speak on their behalf, in which case an additional one (1) minute will be given to the spokesperson's time per citizen, up to six (6) minutes total. Citizens wishing to elect a spokesperson must be present during the public comment period, indicate the spokesperson on their Intent to Speak forms, and submit their forms together to the City Clerk. If you wish to speak on one of the business items or public hearing items, please fill out a WHITE Intent to Speak Form and provide it to the City Clerk prior to the start of the meeting. Once the item has been presented, the Mayor will call for Public Comment on that specific item. At that time, the City Clerk will read the submitted WHITE Intent to Speak Forms for the current item, in the order they were received. Each speaker will be given three (3) minutes to speak. Please refer to Resolution No. 2025-19 for further information regarding Public Participation Policy & Procedures for addressing the City Commission.

APPROVAL OF MINUTES

1. **Approval of City Commission Meeting Minutes of July 15, 2026.**

2. **Approval of Special City Commission Meeting Minutes of July 27, 2026**

AGENDA REVIEW

PROCLAMATIONS / PRESENTATIONS / AWARDS

CONSENT (Action Item)

1. **Approve Code Enforcement Settlement Agreement for 608 Oshea Court**

2. **Award contracts for RFQ: 2026-A-243 City Wide Roofing Repair and Replacement to: Advanced Roofing, Inc., APD Construction, LLC., Architectural Sheet Metal, Inc., BFARR Contracting, Central Florida Equity Builders, CMM Roofing, Inc., Fraizer Contracting, JMD Global Developers, LLC., Next Dimension Construction & Roofing, and Ulloa Management Group, LLC.**

3. **Authorize the execution of piggyback contracts for the assigned terms: Quadient, Inc. (Mail Processing Equipment), Barco Products, LLC (Playground, Water Play and Aquatic Equipment, Site Amenities, and Outdoor Fitness Equipment, with Related Accessories and Services), and People Ready Florida, Inc. (Supplemental Employment).**

4. **Authorize the execution of an Interagency Agreement per the assigned terms with the Seminole County Sheriff's Office, for Criminal Justice Computer Services and Support.**

5. **Authorize the issuance of Sole Source Memo: Fluid Control Specialties, Inc.**

6. **Authorize the Chief of Police to accept and execute the Seminole County Sheriff's Office (SCSO) Subrecipient Agreement (HID0326G0677-00) for the FY2026 High Intensity Drug Trafficking Areas (HIDTA) Program.**

7. **Authorization for the Mayor to Execute Three Temporary Right-of-Entry and Hold Harmless Agreements Related to the SR 429/Binion Road Half Interchange Project**

BUSINESS (Action Item)

1. **City Commission Rules and Order of Business**
   Presented by: Nick Nesta, Mayor

2. **Designate an official voting delegate for the Florida League of Cities Annual Conference**
   Presented by: Susan Bone, City Clerk

3. **Quasi-Judicial - The Ridge Phase 3 - Major Development Plan**
   Owner(s): Apopka Centerline Development, LLCApplicant: VHB c/o James R. Hoffman, P.E.
   Parcel Number(s): 17-21-28-7345-01-000
   Location: Southeast corner of Binion Road and Boy Scout Road
   Future Land Use (FLU): Mixed-Use
   Zoning: PD (Planned Development)
   Existing Use: Vacant
   Proposed Use(s): 363 Multi-family units
   Tract Size: 13.23 +/- acres
   Intensity: 0.2 floor area ratio
   Presented by: Jean Sanchez, Senior Planner

4. **Quasi-Judicial - Cold Link Apopka - Revised Major Development Plan**
   Owner(s): MG88 Central Florida Cold Storage II LLC
   Applicant(s): Joshua Enot
   Location: 2560 W. Orange Blossom Trail
   Project: New 168,180 SF Building
   Density: 0.6 Maximum FAR
   Project Manager: Amer Hamza
   Presented by: Amer Hamza, Planner

5. **Quasi-Judicial - Floridian Town Center Hotel – Major Development Plan**
   Owner(s): Florence Hotel Company LLC 73% INT Apopka Acquisition Company LLC 27% INT
   Applicant: Jason W. Searl, Esq.
   Parcel Identification Number(s): 06-21-28-7172-16-042
   Location: Lot 5, Floridian Town Center PD (Planned Development)
   Future Land Use: Commercial
   Zoning: PD (Planned Development)
   Existing Use(s): Vacant
   Proposed Use: 137 room hotel
   Tract Size: 2.91 +/- Acres
   Project Manager: Bobby Howell

PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)

1. **Ordinance No. 3169 - Second Reading - General Employees Pension Trust - "Opt Out" clause**
   Presented by: Joseph Patton, Human Resources Director, Frank Mega, HYN Consulting

2. **Ordinance No. 3158 - First Reading - Legislative - Small-Scale Future Land Use Amendment – 4410 Chandler Road and 4420 Chandler Road**
   Owner(s): Richard Chandler

Applicant: Camila Neira
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
Location: 4410 Chandler Road, 4420 Chandler Road
Existing Future Land Use: Residential Very Low Suburban
Proposed Future Land Use: Office
Existing Use(s): Residential
Existing Zoning: RSF-1A (Residential Single-Family-Estate)
Proposed Zoning: O (Office)
Tract Size: 5.12 +/- Acres
Proposed Use: Child care facility
Project Manager: Jun Sohn, Ph.D.

3. **Ordinance No. 3159 – First Reading - Quasi-Judicial – Change of Zoning – 4410 Chandler Road and 4420 Chandler Road**
   Owner(s): Richard Chandler
   Applicant: Camila Neira
   Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
   Location: 4410 Chandler Road, 4420 Chandler Road
   Existing Zoning: RSF-1A (Residential Single-Family-Estate)
   Proposed Zoning: O (Office)
   Existing Use(s): Residential
   Existing Future Land Use: Residential Very Low Suburban
   Proposed Future Land Use: Office
   Tract Size: 5.12 +/- Acres
   Proposed Use: Child care facility
   Project Manager: Jun Sohn, Ph.D.

4. **Ordinance No. 3160 - First Reading - Legislative - Small-Scale Future Land Use Amendment – E. Keene Road**
   Owner(s): HCH Development LLC
   Applicant: Michael Rankin
   Parcel Identification Number(s): 22-21-28-0000-00-206
   Location: E. Keene Road
   Existing Future Land Use: Commercial
   Proposed Future Land Use: Industrial
   Existing Use(s): Vacant
   Existing Zoning: C-C (Community Commercial)
   Proposed Zoning: I-L (Light Industrial)
   Tract Size: 5.23 +/- Acres
   Proposed Use: Warehouse storage (enclosed car storage)
   Project Manager: Jun Sohn, Ph.D.

5. **Ordinance No. 3161 First Reading - Quasi-Judicial – Change of Zoning – E. Keene Road**
   Owner(s): HCH Development LLC
   Applicant: Michael Rankin
   Parcel Identification Number(s): 22-21-28-0000-00-206
   Location: E. Keene Road
   Existing Zoning: C-C (Community Commercial)
   Proposed Zoning: I-L (Light Industrial)
   Existing Use(s): Vacant
   Existing Future Land Use: Commercial
   Proposed Future Land Use: Industrial
   Tract Size: 5.23 +/- Acres
   Proposed Use: Warehouse storage (enclosed car storage)
   Project Manager: Jun Sohn, Ph.D.

6. **Resolution No. 2026-31 - Adopting Administrative Fine Settlement Guidelines for Code Enforcement Liens**
   Presented by: John Hanson, Building Official

CITY ADMINISTRATOR'S REPORT

CITY ATTORNEY'S REPORT

CITY COMMISSION REPORTS
- Vice Mayor Velazquez - Comm. Anderson - Comm. Baron - Comm. Ruth

MAYOR'S REPORT

INFORMATION ITEMS

1. **City of Apopka FY2026 Budget-to-Actual for Nine Months Ending June 30, 2026.**

ADJOURNMENT
Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk at least two (2) working days in advance of the meeting date and time at (407) 703-1704. F.S. 286.0105 If a person decides to appeal any decision or recommendation made by Commission with respect to any matter considered at this meeting, he will need record of the proceedings, and that for such purposes he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Any opening invocation that is offered before the official start of the Commission meeting shall be the voluntary offering of a private person, to and for the benefit of the Commission. The views or beliefs expressed by the invocation speaker have not been previously reviewed or approved by the City Commission or the city staff, and the City is not allowed by law to endorse the religious or non-religious beliefs or views of such speaker. Persons in attendance at the City Commission meeting are invited to stand during the opening ceremony. However, such invitation shall not be construed as a demand, order, or any other type of command. No person in attendance at the meeting shall be required to participate in any opening invocation that is offered or to participate in the Pledge of Allegiance. You may remain seated within the City Commission Chambers or exit the City Commission Chambers and return upon completion of the opening invocation and/or Pledge of Allegiance if you do not wish to participate in or witness the opening invocation and/or the recitation of the Pledge of Allegiance.

CITY OF APOPKA MINUTES

Minutes of the City Commission Meeting held on July 15, 2026 at 6:07 PM, in the City of Apopka Commission Chambers.

Present:

- Mayor Nick Nesta
- Vice Mayor Diane Velazquez
- Commissioner Yesenia Baron
- Commissioner Sam Ruth
- Commissioner Nadia Anderson
- Attorney Cliff Shepard

CALL TO ORDER

INVOCATION & PLEDGE OF ALLEGIANCE

Commissioner Ruth's selection for Invocation is: Senior Pastor Caleb Hill with Pentecostals of Apopka.

PUBLIC COMMENT

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Dr. Jim Moyer –** Presentation on purpose of / about the Orange Soil & Water Conservation District.
- **Dr. O –** Nonprofits, 501(c) regulations to follow.
- **Albert McKimmie –** Accountability, transparency improvement, ethics complaints, Golden Gem Pond, Kelly Park Rd ROW.
- **Sylvester Hall –** 2650 Foundation event, Firefighter's contract importance, things that matter.
- **Nikki McGuire –** Gave thanks for help, Back to School Drive, grant received, needs for NAOMI Kids.
- **Leroy Bell –** Millage Rate, positions recommended / salaries, city needs, budget cuts.
- **Scott Billue –** gave thanks from Matthews Hope Ministries, sleeper bus update.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

APPROVAL OF MINUTES

1. Approval of Regular Meeting Minutes of July 1, 2026.

    a. **Mayor Nesta** asked for a motion to approve the minutes from July 1, 2026.
    b. **Motion** by **Commissioner Baron** and seconded by **Commissioner Ruth.**

c. **Motion carried unanimously.**

AGENDA REVIEW

- **Radley Williams, Interim City Administrator** advised no changes.

CONSENT (Action Item)

1. Approve Code Enforcement Settlement Agreement for 133 West Orange Street.
2. Authorize the execution of the Memorandum of Understanding with CareerSource Central Florida.
3. Approve the annual funding agreement between the City of Apopka and MetroPlan Orlando for FY 2026/2027 in the amount of $33,290.00.
4. Authorize the execution of piggyback contracts for the assigned terms: The Home Depot Pro (Maintenance, Repair, Operations, Supplies and Related Products and Services), Hydra Services, Inc. (ABS Pumps, Parts and Services), and RTR Financial Services, Inc. (Fees and Debt Collection Services).

Mayor Nesta opened the Public Period. There being no one who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to approve consent agenda items 1, 2 and 4.
b. **Motion** by **Vice Mayor Velazquez** and seconded by **Commissioner Ruth.**
c. **Motion carried unanimously.**

Discussion Consent Item #3: Approve the annual funding agreement between the City of Apopka and MetroPlan Orlando for FY 2026/2027 in the amount of $33,290.00.
Presented by: Radley Williams, Interim City Administrator

Mayor Nesta opened the Public Period. There being no one who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to Approve the annual funding agreement between the City of Apopka and MetroPlan Orlando for FY 2026/2027 in the amount of $33,290.00.
b. **Motion** by **Commissioner Anderson** and seconded by **Commissioner Ruth.**
c. **Motion carried unanimously.**

BUSINESS (Action item)

1. **Award a contract for ITB 2026-A-308 Golden Gem Reclaim Water Pump Station to Carr & Collier, Inc.**
   Presented by: Blanche Sherman, Finance Director

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Albert McKimmie –** Concerns, water tank suggestion, grant money delegation.
- **Sylvester Hall –** Recommended having an audit.
- **Unnamed –** Ponds not having pumps, no water pressure, no irrigation due to lack of reclaimed water.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to Award a contract for ITB 2026-A-308 Golden Gem Reclaim Water Pump Station to Carr & Collier, Inc.
b. **Motion** by **Commissioner Ruth** and seconded by **Commissioner Baron.**
c. **Motion carried unanimously.**

2. **Non-Profit Grant Program Selection Committee Recommended Awards for the FY2026 Grant Application Window (April 1st - 30th, 2026).**
   Presented by: Precious Lewis, Grant Administrator

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Albert McKimmie –** Questioned how many applicants for the grants and how many accepted.
- **Unnamed –** Concerns regarding State licensing and registration with FDACS of the nonprofits.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to Approve the Non-Profit Grant Program Selection Committee Recommended Awards for the FY2026 Grant Application Window (April 1st - 30th, 2026).
b. **Motion** by **Commissioner Anderson** and seconded by **Commissioner Baron.**
c. **Motion carried unanimously.**

3. **Ratification of Steven Montiero for the Public Information Director**
   Ratify Steven Montiero for the Public Information Director for the City of Apopka.
   Presented by: Joseph Patton, Human Resources Director

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Albert McKimmie –** This position is the face for Apopka and will be influencing to come to Apopka, someone with creditability will do this.
- **Unnamed –** You have to address the past or it will come back to face you.
- **Unnamed –** Expressed concerns regarding receiving a consistent message from this position to residents.
- **Sylvester Hall –** In favor of the selection, learning from the past, public information represents Apopka, poor prioritizing.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to Approve the Ratification of Steven Montiero for the Public Information Director.
b. **Motion** by **Vice Mayor Velazquez** and seconded by **Commissioner Ruth.**
c. **Motion carried unanimously.**

PUBLIC HEARINGS/ ORDINANCES/ RESOLUTIONS (ACTION ITEMS)

1. **Ordinance No. 3158 - First Reading - Legislative - Small-Scale Future Land Use Amendment – 4410 Chandler Road and 4420 Chandler Road**
   Owner(s): Richard Chandler
   Applicant: Camila Neira
   Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
   Location: 4410 Chandler Road, 4420 Chandler Road
   Existing Future Land Use: Residential Very Low Suburban
   Proposed Future Land Use: Office
   Existing Use(s): Residential
   Existing Zoning: RSF-1A (Residential Single-Family-Estate)
   Proposed Zoning: O (Office)
   Tract Size: 5.12 +/- Acres
   Proposed Use: Child care facility
   Project Manager: Jun Sohn, Ph.D.

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Leroy Bell –** Concerns regarding this item being thoroughly reviewed by DRC and meeting ALL requirements.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to continue Ordinance No. 3158 to the August 5, 2026 Commission Meeting.
b. **Motion** by **Commissioner Ruth** and seconded by **Commissioner Anderson.**
c. **Motion carried unanimously.**

2. **Ordinance Number 3159 – First Reading - Quasi-Judicial – Change of Zoning – 4410 Chandler Road and 4420 Chandler Road**
   Owner(s): Richard Chandler
   Applicant: Camila Neira
   Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
   Location: 4410 Chandler Road, 4420 Chandler Road
   Existing Zoning: RSF-1A (Residential Single-Family-Estate)
   Proposed Zoning: O (Office)
   Existing Use(s): Residential
   Existing Future Land Use: Residential Very Low Suburban
   Proposed Future Land Use: Office
   Tract Size: 5.12 +/- Acres
   Proposed Use: Child care facility
   Project Manager: Jun Sohn, Ph.D.

Mayor Nesta opened the Public Period. There being no one who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to continue Ordinance No. 3159 to the August 5, 2026 Commission Meeting.
b. **Motion** by **Commissioner Baron** and seconded by **Commission Anderson.**
c. **Motion carried unanimously.**

3. **Ordinance No. 3167 - First Reading - Procedures for CRA Appointments**
   Presented by: Antranette Forbes, Economic Development Director

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Albert McKimmie –** Concerns regarding requirements being too difficult to become a CRA member versus a commissioner.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to approve Ordinance No. 3167 at first reading and hold over for second reading and adoption.
b. **Motion** by **Commissioner Anderson** and seconded by **Commissioner Baron.**
c. **Motion carried unanimously.**

4. **Ordinance No. 3169 - First Reading - General Employees' Pension Trust - "Opt Out" clause**
   Presented by: Joseph Patton, Human Resources Director, Frank Mega, HYN Consulting

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Leroy Bell –** Questions regarding Mayor's Assistant position asked for clarification.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to approve Ordinance No. 3169 at first reading and hold over for second reading and adoption.
b. **Motion** by **Commissioner Ruth** and seconded by **Vice Mayor Velazquez.**
c. **Motion carried unanimously.**

5. **Resolution No. 2026-28 Amending the budget for the fiscal year beginning October 1, 2025, and ending September 30, 2026.**
   Presented by: Blanche Sherman, Finance Director

Mayor Nesta opened the Public Period. Public comment was given as follows:

- **Albert McKimmie –** Estimated utility bills, questioned accuracy of billing.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a Motion to approve Resolution No. 2026-28.
b. **Motion** by **Vice Mayor Velazquez** and seconded by **Commissioner Ruth.**
c. **Motion carried unanimously.**

CITY COMMISSION REPORTS
- Comm. Ruth - Vice Mayor Velazquez - Comm. Anderson - Comm. Baron

CITY ADMINISTRATOR'S REPORT

CITY ATTORNEY'S REPORT

MAYOR'S REPORT

INFORMATION ITEMS

1. City of Apopka's Disbursement Report for June 2026.

ADJOURNMENT

The meeting adjourned at 8:18 P.M.

All video recordings of City Commission Meetings are always posted on the City of Apopka's YouTube page, for viewing.

_____
Nicholas L. Nesta, III, Mayor

Attest: _____
Susan M. Bone, City Clerk

Prepared by: _____
Jodi Wrigley, Deputy City Clerk

CITY OF APOPKA MINUTES

Minutes of the Apopka Special Commission Meeting held on July 27, 2026 at 6:15 PM, in the City of Apopka Commission Chambers.

Present:

- Mayor Nick Nesta
- Vice Mayor Diane Velazquez
- Commissioner Yesenia Baron
- Commissioner Sam Ruth
- Commissioner Nadia Anderson
- Attorney Cliff Shepard

CALL TO ORDER

PUBLIC COMMENT

Mayor Nesta opened the Public Period. There being no one who wished to speak, Mayor Nesta closed the Public Period.

BUSINESS (ACTION ITEMS)

1. **Authorize the Finance Director to execute the Interlocal Cooperation Agreement between Orange County and the City of Apopka for Community Development Programs under the Urban County Program.**
   n/a
   Presented by: Blanche Sherman, Finance Director

Mayor Nesta opened the Public Period.

- **Unnamed Resident –** Requested citizens sit on boards.
- **Sylvester Hall –** Accuracy of public record requests, staffing, and management concerns.
- **Unnamed Resident –** Forensic audit query and concerns about Apopka's reputation.
- **Rod Olson –** Staffing issues.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a motion to authorize the financial director to execute the interlocal cooperation agreement between Orange County and the City of Apopka for community development programs under the urban county program with the option of opting out.
b. **Motion** made by **Vice Mayor Velazquez** and seconded by **Commissioner Anderson.**
c. **Motion carried unanimously**

2. **City of Apopka Commission representation on MetroPlan Orlando**
   Presented by: Radley Williams, Interim City Administrator

Mayor Nesta opened the Public Period.

- **Leroy Bell –** Asked Commissioner Anderson finish her term.
- **Sylvester Hall –** Transparency, fairness for all, and accountability.
- **Roger Beckett –** Need for unity and respect on the dais.
- **Rod Olsen –** Look at all assignments to commissions.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a motion that all commissioners be the alternate for the MetroPlan board.
b. **Motion** made by **Vice Mayor Velazquez** and seconded by **Commissioner Ruth.**
c. **Motion carried unanimously**

PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)

1. **Resolution No. 2026-32 - Repealing of Resolution No. 2026-06**
   n/a
   Presented by: Radley Williams, Interim City Administrator

Mayor Nesta opened the Public Period.

- **Leroy Bell –** Accountability.
- **Sylvester Hall –** Accuracy of advice from legal counsel.
- **Unnamed Resident –** Encouraging council to do what's right.
- **Rod Olsen –** Doesn't want to be responsible for lawsuits as a taxpayer.

There being no one else who wished to speak, Mayor Nesta closed the Public Period.

a. **Mayor Nesta** asked for a motion to approve Resolution No. 2026-32.
b. **Motion** made by **Commissioner Ruth** and seconded by **Vice Mayor Velazquez.**
c. **Motion carried 3 to 2 with Commissioner Anderson and Commissioner Baron in opposition.**

ADJOURNMENT

The meeting adjourned at 7:37 P.M.

All video recordings of City Commission Meetings are always posted on the City of Apopka's YouTube page, for viewing.

_____
Nicholas L. Nesta, III, Mayor

Attest: _____
Susan M. Bone, City Clerk

Prepared by: _____
Carolina Baez, Administrative Specialist

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 1.
Meeting Date: August 5, 2026
Department: Code Enforcement

SUBJECT:
Approve Code Enforcement Settlement Agreement for 608 Oshea Court

ACTION ITEM INFORMATION:
Approval of Code Enforcement Settlement Agreement - 608 Oshea Court

REQUEST:
Approve Code Enforcement Settlement Agreement - 608 Oshea Court

SUMMARY:
On December 21,2021, the City of Apopka rendered an Order Finding JESUS & MARIA DURAN, the owner of the property at 608 Oshea Court ("Subject Property") in violation of IMPC Chapter 3, Sections 302.4 and 304.14 of the Apopka Municipal Code and Article 4, Section 4.3.2.B, Article 5, Sections 5.5.4.1 and 5.1.5.A.4 of the Land Development Code. A fine in the amount of Five Hundred ($500.00) Dollars per day, was imposed starting on January 21, 2022.

On July 24, 2026, JESUS DURAN agreed to enter into a Settlement Stipulation to reduce the unpaid code enforcement lien to a settlement amount of Ten Thousand One Hundred and Fifty ($10,150.00) Dollars, paid to the City. The property is currently in compliance with the International Property Maintenance Code, Apopka Municipal Code and Land Development Code.

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
City Council approve the Code Enforcement Settlement Agreement.

ATTACHMENTS:
1. Settlement Stipulation - 608 Oshea Court
2. Affidavit of Compliance - 608 Oshea Court
3. Case Report - 608 Oshea Court

BEFORE THE CODE ENFORCEMENT HEARING OFFICER
CITY OF APOPKA, FLORIDA

CITY OF APOPKA, FLORIDA,

Petitioner,

v.

OWNER

Respondent(s).
JESUS DURAN & MARIA DURAN/

Case No.: 21-00647

Address: 608 OSHEA CT
APOPKA, FL 32712

Parcel ID: 04-21-28-9638-00-180

SETTLEMENT AGREEMENT

Petitioner, CITY OF APOPKA, FLORIDA ("Petitioner"), a Florida municipal corporation, and Respondent(s), OWNER ("Respondent") (collectively, the "Parties"), hereby enter into this Settlement Agreement (the "Agreement") in the above-styled action as follows (the "Action"):

1. This Agreement is meant to settle all issues arising from the violations alleged in Case No. 21-00647, before the Code Enforcement Hearing Officer for the City of Apopka, Florida.

2. The Parties agree that because Petitioner is a public entity, the City Commission must hold a duly noticed public meeting to consider and accept this Agreement. For the City Commission to consider and accept this Agreement, Respondent must execute this Agreement and this Agreement shall be placed on the next regularly scheduled City Commission meeting for consideration. This Agreement shall not become effective until the City authorizes and executes the Agreement following a duly noticed public meeting required by Florida law. If the City Commission fails to accept this Agreement, then the Action shall continue to proceed in accordance with Florida law, and this Agreement shall become null and void.

3. The Parties agree that once the City Commission considers and accepts this Agreement, Petitioner shall execute the Agreement and send a copy of the Agreement to

Respondent. The date of execution by Petitioner shall be the effective date of this Agreement.

4. In consideration of payment in the amount of ten thousand one hundred and fifty dollars and no cents ($10,150.00) from Respondent to Petitioner within ninety (90) days of the effective date of this Agreement, Petitioner shall cause to be recorded in the Public Records of Orange County, Florida, a Release of Lien that is the subject of the Action, and previously recorded in Document #20220403239, Public Records of Orange County, Florida.

5. The Parties agree that Respondent's settlement payment to Petitioner must be paid within ninety (90) days of the effective date of this Agreement via one lump sum payment. Respondent agrees that payment must be made in full and partial payments will not be accepted by Petitioner. If Respondent does not submit payment within ninety (90) days of the effective date of this Agreement, Petitioner may immediately file an action to foreclose the full amount of the lien at issue in the Action, plus attorney's fees and costs, in accordance with Florida law.

6. This Agreement shall be governed by the laws of the State of Florida and the courts of the Ninth Judicial Circuit in and for Orange County, Florida shall have exclusive jurisdiction and venue to enforce this Agreement. In the event of dispute arising out of this Agreement, the prevailing party shall be entitled to attorneys' fees and costs resulting from enforcement of this Agreement.

7. The Parties expressly agree that this Agreement results from an arm's length negotiation process in which each party was given the opportunity to consult with counsel and contribute to the drafting of this Agreement. No legal or other presumptions against the party drafting this Agreement shall therefore accrue to the benefit of either of the Parties and the Parties expressly waive the right to assert such a presumption in any proceedings or disputes connected with, arising out of, or involving this Agreement. The Parties expressly recognize that they have

each entered into this Agreement knowingly and voluntarily.

8. Each party represents and warrants to the other party that is has the requisite authority to enter into and execute this Agreement.

IN WITNESS WHEREOF, the Parties hereto have executed and delivered this Settlement Agreement, with the effective date this ___ day of _____, 2026.

Petitioner:

ATTEST:

CITY OF APOPKA

_____

_____

Radley Williams, City Administrator

Respondent:

ATTEST:

OWNER

Yasmin Bruno
Print Name: Yasmin Bruno
7/24/26

Jesus Duran
Date: 7/24/26
Authorized Representative
Print Name: Jesus Duran

DOC # 20240723360
12/20/2024 10:51 AM Page 1 of 2
Rec Fee: $18.50
Deed Doc Tax: $0.00
Mortgage Doc Tax: $0.00
Intangible Tax: $0.00
Phil Diamond, Comptroller
Orange County, FL
Ret To: CSC INC

CERTIFICATION

STATE OF FLORIDA }
COUNTY OF ORANGE }

I, **ALEXCIA DECAUL,** Code Enforcement Recording Secretary, do hereby certify that the attached is a true and correct copy of:

AFFIDAVIT OF COMPLIANCE
CE CASE# 21-00647
608 OSHEA CT, APOPKA, FL 32712
OWNER: JESUS & MARIA DURAN

IN WITNESS WHEREOF, I have hereunto set my hand this the 18th day of December 2024.

CITY OF APOPKA

Alexcia DeCaul
Code Enforcement Recording Secretary

ALEXCIA DECAUL
MY COMMISSION # HH 413178
EXPIRES: October 13, 2027

CODE ENFORCEMENT HEARING OFFICER
OF THE
CITY OF APOPKA, FLORIDA

CITY OF APOPKA, FLORIDA

vs
Respondent(s)

JESUS & MARIA DURAN

CASE NO. 21-00647
ADDRESS: 608 OSHEA CT LIEN
PARCEL ID:04-21-28-9638-00-180

AFFIDAVIT OF COMPLIANCE WITH ORDER
OF APOPKA CODE ENFORCEMENT HEARING OFFICER

STATE OF FLORIDA
COUNTY OF ORANGE

BEFORE ME, the undersigned authority, personally appeared **Chris Smith,** Code Enforcement Officer for the City of Apopka, who, after being duly sworn, deposes and says:

1. That on **12/21/2021** the Code Enforcement Hearing Officer held a public hearing and issued its Order in the above-styled matter.

2. That, pursuant to said Order, Respondent was to have taken certain corrective action by or before **01/20/2022**

3. That re-inspection was performed on **12/18/24** and was in compliance.

If Compliance was met after corrective action date specified in said Order, Respondent must contact the Apopka Code Enforcement Office at (407) 703-1738 to resolve accrued daily fines.

FURTHER AFFIANT SAYETH NOT.

Dated this **12/18/2024**

Chris Smith
Code Enforcement Officer

STATE OF FLORIDA
COUNTY OF ORANGE

Sworn to and subscribed before me this **12/18/2024** by Chris Smith who is personally known to me and did not take an oath.

NOTARY PUBLIC STATE OF FLORIDA
ALEXCIA DECAUL
MY COMMISSION # HH 413178
EXPIRES: October 13, 2027

Alexcia DeCaul
Notary Public, State of Florida
Commission #HH 413178

Violation Id	Parcel Id	Property Loc	Owner Name	Owner Phone
Owner Address				Owner Email
21-00647	04-21-28-9638-00-180	608 OSHEA CT	LIEN JESUS & MARIA DURAN	
608 O SHEA CT, APOPKA, FL 32712-3524				

General:

Violation Date	Status	Status Date	Use Type	User Code	Cust Id	Customer Name
Complaint Name			Complaint Phone			Complaint Email
Tenant Name			Tenant Phone			Tenant Email / Tenant Other
10/21/21	Open					
MARCOS, SANDRA			(407)722-2659			

Description:

Violation: Overgrowth of vegetation on the fence (Grass) More violations seen. Fence is in disrepair the screen enclosure in the backyard is torn up. Commercial dual axel trailer. Open and outside storage of, wood, metals construction equipment and other miscellaneous items. Commercial equipment is not permitted in a residential zone.

Conditions:

Corrective action: Remove overgrowth of grass on the fence. Repair the fence. Repair the screen enclosure. Cease open and outside storage and remove all items. Cease parking commercial trailer in a residential property.

New inspection for new violations

By 12/06/21

Ordinances:

Ordinance Id	Description	Compliance Deadline
AMC ART5 SEC108	AMC, Article 5, Section 18-108: Adoption of the current IPMC.	11/07/21
IPMC SEC 302.4	IPMC, Chapter 3, Section 302.4: Property having overgrown grass, weeds, and other vegetation exceeding 12 inches in height.	11/07/21
IPMC SEC 304.14	IPMC, Chapter 3, Section 304.14: Insect screens.	12/04/21
LDC SEC 4.3.2	LDC, Article 4, Section 4.3.2.B: Open and outside storage is not a permitted use in Residential Zoning Districts.	12/04/21
LDC SEC 5.5.4	LDC, Article 5, Section 5.5.4.I: Fences and walls and associated landscaping shall be maintained in good repair and in a safe, and attractive condition.	12/04/21

LDC SEC5.1.5 LDC, Article 5, Section 5.1.5.A.4: Commercial vehicles are prohibited on any public or private property in any Residential district. 12/04/21

Activities:

Ordinance Id	Activity Type	Inspector	Date	Start Time	End Time	Status
AMC ART5 SEC108	INITIAL INSPECT	BJEANTY	10/21/21			FAIL
Comment:						
AMC ART5 SEC108	FOLLOW UP INSPE	BJEANTY	12/10/21			FAIL
Comment: Posted hearing notice						
AMC ART5 SEC108	FOLLOW UP INSPE	BJEANTY	12/17/21			FAIL
Comment: Violations remain						
AMC ART5 SEC108	PUBLIC HEARING	BJEANTY	12/21/21			FAIL
Comment: No show 30days						
AMC ART5 SEC108	FOLLOW UP INSPE	BJEANTY	01/20/22			FAIL
Comment: The fence has not been fixed, the screen enclosure is still ripped and still has open and outside on the patio. Fines will start today						
AMC ART5 SEC108	FOLLOW UP INSPE	BJEANTY	07/21/22			FAIL
Comment: Violation remains						
AMC ART5 SEC108	FOLLOW UP INSPE	BJEANTY	03/08/23			FAIL
Comment: Violations remains						
AMC ART5 SEC108	FOLLOW UP INSPE	CSMITH	07/26/23			FAIL
Comment: Violations remain. (CS)						
AMC ART5 SEC108	FOLLOW UP RE-IN	CSMITH	12/27/23			FAIL
Comment: Violations remain. (CS)						
AMC ART5 SEC108	FOLLOW UP RE-IN	CSMITH	04/17/24			FAIL
Comment: Grass still on fence. (CS)						
AMC ART5 SEC108	FOLLOW UP INSPE	CSMITH	08/14/24			FAIL
Comment: Violations still exist. I spoke to the owner at the house and explained that he had violations with fines running and lien on the property. I gave him my business card to email me so I can forward information about the violations/fines/lien. (CS)						
AMC ART5 SEC108	FOLLOW UP INSPE	CSMITH	12/18/24			PASS

Comment: Property is now in compliance, there are fines that ran from 01/21/2022 - 12/18/2024 - $531,000 and there is a Lien Order. (CS)

Notes:

Created	Modified	Note
07/16/26	07/16/26	Owner agreed to fine reduction of $10,150.00. Settlement was emailed to Sandra Diaz. //AD//
06/24/26	06/24/26	Spoke with Realtor Jordan 407-470-7119, who is assisting the property owner in obtaining an appraisal of the property. Jordan requested copies of case documents. She was advised to submit a request through the City's Public Records Portal to obtain the records.//AD//
06/04/26	06/04/26	Sandra Diaz called and relayed a settlement offer from the homeowners of $10,000. I told her that we could not accept that and we discussed some options. She advised that she would relay that information back to the property owner and get back to me. //JW//
05/29/26	06/04/26	I spoke to Sandra Diaz, 407-692-4369, and explained the settlement process. She advised that she was going to relay that information to the property owner and call us back at a later time. //JW//
05/27/26	05/27/26	VOICEMAIL: Sandra Diaz 407-962-4369, requesting to speak with Lt. Woertman regarding a fine reduction. I was unable to get in contact with Ms. Diaz but left a voicemail to advise the Lt. would be unable to review the matter untill next week. And to call back if more information is needed. //AD//
05/20/26	05/20/26	I spoke with Sandra Diaz 407-692-4369, who is requesting to speak with Lt. Woertman regarding a fine reduction. //AD//
05/20/26	05/20/26	Returned phone call from Sandra Diaz on 05/20/2026 at approximately 10:24am. She wanted to know how to get the lien released and I explained to her that she would need to contact Lt. Jason Woertman to negotiate a fine reduction and release of lien. I provided contact information for Lt. Woertman. (JL)
05/14/26	05/14/26	VOICEMAIL 14:48: Sandra Diaz 407-692-4369, advised she is assisting the homeowners who just came aware of the lien and fines on the property. Requesting to speak with the CEO to cure any violation and lien. //AD//
05/07/26	05/07/26	04/29/2026 Lien Search and response: From: Jose Lebron <JLebron@apopka.net> Sent: Wednesday, April 29, 2026 12:56 PM To: Carolina Baez <CBaez@Apopka.net>; DL-City Clerk <cityclerk@apopka.net> Cc: David Whitty <dwhitty@apopka.net>; Alexcia DeCaul <ADeCaul@apopka.net> Subject: RE: Ref: 608 Oshea Ct Good afternoon, There is a lien on this property. Please see below.

Joe Lebron
Apopka Code Enforcement
112 East Sixth Street
Apopka, FL 32703
(407) 703-1738

From: Carolina Baez <CBaez@Apopka.net>
Sent: Wednesday, April 29, 2026 10:22 AM
To: Lien Search In <liensearchin@apopka.net>
Subject: Ref: 608 Oshea Ct

Hello,

Please provide a search for the above-mentioned property at your earliest convenience.

Please send all responses to cityclerk@apopka.net,

Thank you for your assistance.

Carolina Baez
Administrative Specialist
City of Apopka
120 E. Main Street
Apopka, FL 32703
(407)703-1710
cbaez@apopka.net
www.Apopka.gov/PublicRecordsRequest

05/06/26 05/06/26 VOICEMAIL 10:48: Samantha (281)202-2488, Elite Property Search, regarding lien. Requesting a call back.

I spoke with Samantha to confirm there is an active lien on the property and advised the total fine amount, $531,000.00. She inquired if the city would accept a lower pay off and was advised they may put in a request for a fine reduction.//AD//

04/03/26 04/03/26 On 3/11/26, Lien Reminder returned "RETURN TO SENDER/UNCLAIMED" //JW//

01/29/26 01/29/26 Lien Reminder mailed Certified to OC Property Appraiser listed owner & mailing address:
DURAN JESUS
DURAN MARIA
608 O Shea Ct

		Apopka, FL 32712-3524 Tracking # 91 7199 9991 7039 1095 4349
06/24/25	06/24/25	Lien Reminder re-mailed standard mail. //AD//
06/16/25	06/16/25	Lien Reminder returned "RETURN TO SENDER/UNCLAIMED". Online tracking notes Notice left 5/19/2025. Unclaimed & returned 6/6/2025 //AD//
05/15/25	05/15/25	Lien Reminder mailed Certified to owner at OC Property Appraiser listed mailing address: DURAN JESUS DURAN MARIA 608 O Shea Ct Apopka, FL 32712-3524 Tracking # 91 7199 9991 7039 1116 1289 //AD//
12/20/24	12/20/24	Received recorded AOC DOC# 20240723360 //AD//
12/19/24	12/19/24	Affidavit of Compliance submitted to comptroller to be recorded //AD//
12/18/24	07/28/26	Property in compliance. Daily fine of $500.00 ran from 01/21/2022 to 12/18/2024, 1062 days. Total fine amount $531,000.00. Copy of Affidavit of Compliance mailed to owner //AD//
11/12/24	11/12/24	Lien Reminder mailed to owner at: Property Appraiser listed owner and mailing address: DURAN JESUS DURAN MARIA 608 O Shea Ct Apopka, FL 32712-3524 //AD//
01/12/22	01/12/22	to p/o daughter about violations
11/18/21	11/18/21	Mailed second notice for new violations
10/21/21	10/21/21	Mailed warning notice

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 2.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
Award contracts for RFQ: 2026-A-243 City Wide Roofing Repair and Replacement to: Advanced Roofing, Inc., APD Construction, LLC., Architectural Sheet Metal, Inc., BFARR Contracting, Central Florida Equity Builders, CMM Roofing, Inc., Fraizer Contracting, JMD Global Developers, LLC., Next Dimension Construction & Roofing, and Ulloa Management Group, LLC.

ACTION ITEM INFORMATION:

REQUEST:
Award contracts for RFQ: 2026-A-243 City Wide Roofing Repair and Replacement.

SUMMARY:
Staff advertised a Request for Qualification (RFQ) to establish a qualified list of roofing contractors to provide roofing services throughout the City, on an as-needed basis.

The contracts shall be multi-year terms, with an initial contract term of three (3) years with two (2) additional one (1) year renewal options. The purpose of awarding this solicitation in this manner is to ensure the City has a diverse pool of qualified roofing contractors capable of handling projects of all sizes. Projects will be awarded individually to the lowest priced roofing contractor via a Request for Secondary Quoting (RSQ) process. The RSQ process ensures the City receives competitive pricing and best value for each project. Staff will issue an RSQ to the awarded Contractor(s), outlining the scope of work, any addenda and the required timeframe. Contractors must provide a total cost and detailed breakdown covering all expenses needed to complete the work. Projects are awarded individually to the lowest qualified contractor. Additional providers may be added to the list of awarded contractors, if deemed necessary by the City and subject to approval.

The advertisement schedule and statistics were as follows:

Date Issued & Advertised:	June 9, 2026
Inquiry Deadline:	June 30, 2026
E-Bid Submittal Deadline:	July 14, 2026
Evaluation Meeting:	July 22, 2026
Notified Users:	2744
Project Views:	804
Vendors Following the Project:	43

Thirteen (13) submitted bids. Three (3) of the thirteen (13) were deemed non-responsive, due to not meeting required qualifications. At this time, staff recommends contract awards to the following ten (10) responsive and responsible bidders:

Awarded Vendors

- Advanced Roofing, Inc.
- APD Construction, LLC.
- Architectural Sheet Metal, Inc.
- BFARR Contracting
- Central Florida Equity Builders
- CMM Roofing, Inc.
- Fraizer Contracting
- JMD Global Developers, LLC.
- Next Dimension Construction & Roofing
- Ulloa Management Group, LLC.

The ten (10) contractor submittals have been reviewed to include their bid, history, and references. Each individually awarded project will be funded through fiscal year budgetary appropriations.

FUNDING SOURCE:
Within fiscal year budgetary appropriations.

RECOMMENDED MOTION:
Approve contract awards to: Advanced Roofing, Inc., APD Construction, LLC., Architectural Sheet Metal, Inc., BFARR Contracting, Central Florida Equity Builders, LLC., CMM Roofing, Inc., Fraizer Contracting, JMD Global Developers, LLC., Next Dimension Construction & Roofing, and Ulloa Management Group, LLC.

ATTACHMENTS:
None

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 3.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
Authorize the execution of piggyback contracts for the assigned terms: Quadient, Inc. (Mail Processing Equipment), Barco Products, LLC (Playground, Water Play and Aquatic Equipment, Site Amenities, and Outdoor Fitness Equipment, with Related Accessories and Services), and People Ready Florida, Inc. (Supplemental Employment).

ACTION ITEM INFORMATION:

REQUEST:
Authorize the execution of a piggyback contract for the assigned terms.

SUMMARY:
The department purchases various commodities in its daily operations, including equipment, tooling, and services throughout the year. A piggyback contract can be executed via another entity's agreement when the items or services have already been bid by other governmental agencies or special co-operative agreements, provided such contracts are the result of a competitive bidding process and all terms and conditions are the same. This method provides the most efficient method of purchase or the best cost savings for the quantities that are being utilized. These contracts are also encouraged when applicable for operational proficiencies and to minimize staff processing time. Contractual information is kept on record with each purchase order issued.

Per Purchasing Policy 107.3.17 - Piggyback Contracts: Piggyback contracts will only be authorized during the period of time that the original contract is active and has not expired (if the original contract expires or terminates, so shall the piggyback contract). The Department Director or designee must review and confirm potential piggyback contracts for applicability and scope. The request for utilizing a piggyback contract must be submitted to the Finance Department for purchasing review. Upon approval, the Purchasing Administrator or designee shall submit their review to the City Attorney for final approval. Contracts that are over $50,000 will also require City Commission approval. Multi-Year Piggybacks: if determined to be over $50,000 and once authorized by City Commission, if the dollar amount allotted in the fiscal year budget is available for the services or commodities, it will not require additional City Commission approval.

Below is a full listing of the piggyback contracts that are being requested by department submittals, vendors, descriptions, sources, and expiration dates. Please note, contracts may have varying effective start dates.

Department:	**Citywide**
Vendor:	**Quadient, Inc.**
Description:	**Mail Processing Equipment**
Source:	**Florida Department of Management Services**
Bid/Contract #:	44102100-17-1
Original Bid Award Date:	February 20, 2017
Expiration Date:	February 19, 2027
Renewals:	N/A
Max Expiration Date:	February 19, 2027

Department:	**Parks and Recreation**
Vendor:	**Barco Products, LLC**
Description:	**Playground, Water Play and Aquatic Equipment, Site Amenities, and Outdoor Fitness Equipment, with Related Accessories and Services**
Source:	**Sourcewell**
Bid/Contract #:	101625-BCO
Original Bid Award Date	December 18, 2025
Expiration Date:	December 17, 2029
Renewals:	Three (3) additional one (1) year renewal options
Max Exliration Date	December 17, 2032

Department:	**Public Works/Sanitation**
Vendor:	**People Ready Florida, Inc.**
Description:	**Supplemental Employment**
Source:	**Lake County, Florida**
Bid/Contract #:	RFP 24-505C-1
Original Bid Award Date:	November 19, 2024
Expiration Date:	November 18, 2027
Renewals:	One (1) additional two (2) year renewal option
Max Expiration Date:	November 18, 2029

FUNDING SOURCE:
As authorized, adopted, and per the appropriated fiscal year budgetary funding within each departmental budget.

RECOMMENDED MOTION:
Authorize the execution of piggyback contracts per the assigned terms.

ATTACHMENTS:
None

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 4.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
Authorize the execution of an Interagency Agreement per the assigned terms with the Seminole County Sheriff's Office, for Criminal Justice Computer Services and Support.

ACTION ITEM INFORMATION:

REQUEST:
Authorize the execution of an Interagency Agreement for the assigned terms.

SUMMARY:
The departments purchase various commodities in its daily operations, including equipment, tooling, and services throughout the year. A contract shall be utilized when it is determined that the terms and conditions are complex or incremental or in any other way require a contract. They are also encouraged when applicable for operational proficiencies. Contracts are acquired under the most efficient method of purchase or best cost savings for the quantities that are being utilized. Contract renewals are requested when the contract is scheduled to expire and the City seeks to continue the terms and conditions for an additional period of time. Contractual information is kept on record with each purchase order issued.

Per Purchasing Policy 107.3.15 - Contracts:
A contract means a written agreement or purchase order between the City and a vendor detailing the legal responsibilities of both parties in the offer and acceptance of a specific act, usually for the procurement of goods, services, or construction for money or other considerations. A contract shall be used for a commodity, contractual service, construction service and/or where the City Attorney, Department Director, Purchasing Administrator or designee determines that the terms and conditions are complex or incremental or in any other way require a contract. All contracts must be reviewed by the City Attorney. Purchasing will forward all non–state-affiliated piggyback contracts to the City Attorney for review when applicable. All contracts less than $50,000.00 must be approved by the City Administrator. All contracts of $50,000.00 or more must be approved by the City Council and City Attorney prior to the Mayor or City Administrator signing.

Per Purchasing Policy 107.3.17 - Piggyback Contracts:
Piggyback contracts will only be authorized during the period of time that the original contract is active and has not expired (if the original contract expires or terminates, so shall the piggyback contract). The Department Director or designee must review and confirm potential piggyback contracts for applicability and scope. The request for utilizing a piggyback contract must be submitted to the Finance Department for purchasing review. Upon approval, the Purchasing Administrator or designee shall submit their review to the City Attorney for final approval. Contracts that are over $50,000 will also require City Council approval. Multi-Year Piggybacks: if determined to be over $50,000 and once authorized by City Council, if the dollar amount allotted in the fiscal year budget is available for the services or commodities, it will not require additional City Council approval.

Below is a full listing of contracts that are being requested by; department submittal, vendor, description, source, and expiration dates.

Department:	**Police Department**
New Contract/ Renewal/Amendment	**Renewal**
Contract Type:	**Interagency Agreement**
Vendor:	**Seminole County Sheriff's Office**
Contract Description:	**Criminal Justice Computer Services and Support**
Terms:	**Term Contract**
Contract Start Date:	**October 1, 2026**
Expiration Date:	Perpetual Contract with a 90-day Notice of Termination
Renewals Available:	Automatic Annual Software Renewals each Fiscal Year
Annual Cost	Fiscal year budgetary appropriations
Contract Source Method:	**PURCHASING POLICY 107.3.9.8.5. INFORMATION TECHNOLOGY SOFTWARE/HARDWARE: Software/hardware that is currently owned or utilized requires no further formal competitive procurement if upgrades, maintenance, or additional services are needed.**
Contract Summary	The City originally acquired this software in 2014. This contract will ensure the City continues to receive the support, maintenance, and upgrades needed to maintain a fully operational system. As stated above, the contract source method will be procured under a policy exemption for *Information Technology software and hardware* already owned or utilized, which removes the requirement for formal competitive procurement when additional services, upgrades, or maintenance are needed.
History	The City of Apopka acquired this software in 2014. The annual expenditures for the last four (4) years are as follows: FY2026 - $111,200 FY2025 - $107,961 FY2024 - $104,817 FY2023 - $101,764

FUNDING SOURCE:

As authorized, adopted, and per the appropriated fiscal year budgetary funding within each departmental budget.

RECOMMENDED MOTION:

Authorize the execution of renewal of the Interagency Agreement with Seminole County Sheriff's Office, per the assigned terms.

ATTACHMENTS:

1. Interagency Agreement - Seminole County - Criminal Justice Computer Services & Support

INTERAGENCY AGREEMENT
SEMINOLE COUNTY SHERIFF'S OFFICE AND APOPKA POLICE DEPARTMENT - AGREEMENT FOR CRIMINAL JUSTICE COMPUTER SERVICES AND SUPPORT

THIS AGREEMENT is made and entered by and between DENNIS M. LEMMA, Seminole County Sheriff's Office, hereinafter referred to as "SCSO", a Constitutional Officer of the political subdivision of Seminole County, Florida, whose address is 100 Eslinger Way, Sanford, Florida 32773, and the APOPKA POLICE DEPARTMENT, hereinafter referred to as "PD", whose address is 112 East 6th Street, Apopka, Florida 32703.

WITNESSETH

WHEREAS, SCSO and PD, are criminal justice agencies, formally recognized by the Federal Bureau of Investigations (FBI) and the Florida Department of Law Enforcement (FDLE); and

WHEREAS, in accordance with sections 163.01(2) and 163.01(14) Florida Statutes, SCSO and PD are authorized to enter into inter-local Agreements for the provision of services; and

WHEREAS, SCSO presently has the benefit of access to the Florida Criminal Justice network (CJNet), National Crime Information Center (NCIC), the Florida Crime Information Center, and the Interstate Identification Index (III) all hereafter referred to as FCIC, via network connectivity to the FDLE; and

WHEREAS, SCSO has developed sophisticated law enforcement software which is presently in use by other law enforcement and criminal justice agencies and is supported and maintained by SCSO staff on a seven days per week, twenty-four hours per day basis; and

WHEREAS, PD has determined that it is advantageous to enter into a contractual agreement with SCSO for the provision of criminal justice computer software services, including continued access to FCIC and state/national criminal justice information for the administration of criminal justice; and

WHEREAS, SCSO and PD entered into an agreement on January 8, 2018 for similar services and wish to terminate that agreement upon execution of this agreement.

NOW, THEREFORE, in consideration of the mutual understandings and agreements set forth herein, the Parties agree as follows:

1. Agreement Term

The TERM of this Agreement shall be from the date of final execution until such time as either party desires to end the Agreement in accordance with termination provisions set forth in Section 8 of this Agreement, the dates of signature of the Parties notwithstanding.

2. Purpose

The purpose of this Agreement to establish terms and conditions under which SCSO shall provide criminal justice computer software services and support to the PD.

3. Cooperation

It is agreed that both Parties shall provide all reasonable and necessary cooperation and assistance so as to facilitate the terms of this Agreement.

4. Basic Services

1. SCSO agrees to:

A. Provide CAFEWEB, NEXCad, MICAD, Sherlock, and other related criminal justice software available on SCSO'S network to the PD.

B. Provide database security and backup services for PD data residing on SCSO systems.

C. Provide necessary instruction and training to PD personnel on CAFEWEB, NEXCad, MICAD, Sherlock, and other related software to support the use of new SCSO systems. After initial system setup, SCSO may, at its sole discretion, offer additional training to PD.

D. Provide highest level expert support to the PD for CAFEWEB, NEXCad, MICAD, Sherlock, and other related software.

E. Provide for a sufficient number of appropriately qualified personnel to perform those services set forth within this Agreement.

F. Make reasonable efforts to ensure delivery of the provision of services set forth herein. SCSO makes no warranties, representations, or guarantees with regards to specific performance levels, data accuracy, data completeness, system uptime, security, or system integration and SCSO will not be held liable for any direct or indirect damages incurred by PD's use of the software/system(s), including but not limited to loss of data or loss of system use.

G. Provide PD license plate data for purposes of sharing with other law enforcement agencies.

H. Share PD CAFEWEB data with N-DEx via the FINDER and or LINX data sharing system.

I. Share PD CAFEWEB data with the Law Enforcement Information Exchange (LINX).

J. Provide PD with the ability to audit user logs for all SCSO CJIS software programs, (currently MICad, CafeWeb, NEXCad Report Utility, NEXCad history, FCIC switch history and any additional software that may be added in the future) in order to be in compliance with the auditing standards of the CJIS Security Policy.

2. PD agrees to:

A. Abide by all applicable local, state, and federal laws, rules and regulations, as well as the FBI CJIS Security Policy and rules and regulations of FCIC with regards to the use of said criminal justice computer systems and ensure compliance with Florida Public Records laws

in regard to exempt and confidential data contained within criminal justice software systems provided by SCSO.

B. Abide by all the terms and conditions of the Criminal Justice User Agreement executed between the FDLE and SCSO, a copy of which is attached to this Agreement.

C. Limit use of provided criminal justice computer systems to authorized personnel within the PD and only for the administration of criminal justice.

D. Acknowledge, by executing this Agreement, that all software written by SCSO is subject to copyright protection and may not be sold or transferred to any other entity without the express written consent of SCSO.

E. Provide adequate computer hardware compatible with the software, hardware and network equipment utilized by SCSO.

F. Ensure that all authorized PD personnel attend training on CAFEWEB, NEXCad, MICAD, Sherlock and other related software provided by SCSO prior to utilizing SCSO systems.

G. Maintain all required software licenses required to access SCSO'S law enforcement software systems.

H. Provide for a sufficient number of appropriately qualified personnel to support and maintain SCSO's law enforcement software on PD computers. This includes performing technical support for basic user issues (Tier 1) and providing administrative level support (Tier 2) for advanced technical troubleshooting.

I. Agrees to refrain from making additional impactful demands upon network traffic, (i.e. addition of streaming surveillance video or other large packet data) without first discussing it with SCSO's Designee.

J. PD agrees to not decompile or otherwise copy, or download content or data on SCSO's System or other proprietary information of SCSO or any other participating agency using SCSO's System under similar agreement for any purpose other than those stated in this Agreement, unless said data is that compiled and maintained on behalf of PD under this agreement.

K. As per the CJIS Security Policy, assign a representative who will be responsible for auditing user logs on a weekly basis. Representative shall maintain records of such audit and make those records available for review upon request of SCSO. PD shall notify SCSO of the name and contact information of the assigned representative.

5. Compensation and Payment

1. PD agrees to reimburse SCSO for services provided for within this Agreement in accordance with the following schedule, which utilizes an updated pricing model and includes a catch-up provision of 21% for the 3- year period from FY 2027 through FY 2029. Thereafter, the annual charge will be based upon the Pricing Model with a 5% cap on the annual increase.

Fiscal Year 2027	10/01/2026 – 09/30/2027	$134,552.00
Fiscal Year 2028	10/01/2027 – 09/30/2028	$162,808.00
Fiscal Year 2029	10/01/2028 – 09/30/2029	$196,998.00
Thereafter	Beginning Fiscal Year 2030	Pricing Model with a 5% cap on the increase

2. Annual payment requests shall be made by SCSO no later than October 31 of the fiscal year in question. Payments shall be made within thirty (30) days of an invoice submittal by SCSO.

3. PD may request custom programming or other specialized computer services that are outside the scope of this agreement. Such services will be provided at the sole discretion of SCSO and will be charged $125.00 per hour worked. SCSO will provide estimates for such services, but PD acknowledges and agrees that it receives estimates only, and the actual cost for the services may be less or more. SCSO shall invoice PD for its work once per month. Payment for specialized services shall be payable within 30 days of receipt of the invoice.

   All payments made by PD shall be sent to the following address:

   Seminole County Sheriff's Office
   Fiscal Services - Accounting
   100 Eslinger Way
   Sanford, FL 32773

6. Indemnification

Pursuant to Florida Statutes and to the extent provided for by Florida law, neither SCSO nor PD waives any defense of sovereign immunity, or increases the limits of its liability, upon entering into this Agreement. This Agreement does not contain any provision that requires one party to indemnify or insure the other party for the other party's actions, or to assume any liability for the other party's actions.

7. Dispute Resolution

This Agreement shall be governed by and construed with the laws of the State of Florida. Venue shall be in Seminole County, Florida. SCSO'S designee, the Director of Technology Solutions, and PD'S designee, the Police Chief, shall resolve minor disputes.

Notices
Whenever any party desires to give notice unto the other party, notice may be sent to:

For SCSO:

Director of Technology Solutions
Seminole County Sheriff's Office
100 Eslinger Way
Sanford, FL 32773

For PD:

Chief of Police
Apopka Police Department
112 East 6th Street
Apopka, FL. 32703

8. Termination

Either party may terminate this agreement upon providing ninety (90) days written notice, except that SCSO may terminate this agreement immediately and without notice upon finding that the PD has willfully violated the terms of this agreement. Within thirty (30) days following termination, SCSO will provide PD with a copy of PD data stored on SCSO's systems in Microsoft SQL Server format.

9. Entire Agreement

It is understood and agreed that the entire Agreement of the parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof, as well as any previous Agreement presently in effect between the parties relating to the subject matter hereof. Any alterations, amendments, deletions, or waivers of the provisions of this Agreement shall be valid only when expressed in writing, approved by the respective parties and duly executed on behalf of each party as set forth herein.

IN WITNESS HEREOF, the parties hereto have caused this agreement to be executed by the proper officers and officials.

Apopka Police Department

_____

Lovetta Quinn-Henry, Police Chief

City of Apopka

_____

Nicholas L. Nesta, III, Mayor

_____

Date

Seminole County Sheriff's Office

_____

Dennis M. Lemma, Sheriff

_____

Date

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 5.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
Authorize the issuance of Sole Source Memo: Fluid Control Specialties, Inc.

ACTION ITEM INFORMATION:

REQUEST:
Approve the issuance of a sole source memo for (FY) 2026

SUMMARY:
107.3.9.8.3. SOLE SOURCE.
Sole Source procurements are proprietary and used when only one vendor is able to provide commodities, contractual services, or construction services of adequate quality or quantity that meet City's requirements, or when compatibility with existing systems requires procurement from a single source. Note: A memo of explanation must be sent to the appropriate approval authority along with the requisition documentation being attached to the purchase order. The City Administrator must give approval for the Sole Source designation. The Sole Source designation will expire each fiscal year after approval and may be renewed upon submission of a new request with documentation. Sole Source designations above $50,000.00 must be noticed per Section 287.057(3)(c), Florida Statutes.

Vendor Sole Source Memo Details:

Vendor:	**Fluid Control Specialties, Inc.**
Department:	**Utilities Operation**
Requested Amount:	**Annual Budgetary Appropriations**
Policy Requirements:	**Sole Source procurement is proprietary and used when only one vendor is able to provide commodities, contractual services, or construction services of adequate quality or quantity that meet City's requirements:** DeZURIK Company is the original equipment manufacturer (OEM) and the exclusive authorized provider of OEM replacement parts, factory-certified repairs, services, proprietary software support, technical assistance, and warranty service, installed throughout the City's water and wastewater treatment facilities and infrastructures. DeZURIK replacement internal assemblies are proprietary OEM components manufactured specifically for existing DeZURIK plug valves.
Policy Requirements:	**Compatibility with existing systems requires procurement from a single source:** In accordance with the Utilities Design and Construction Standard Manual- Dezurik is the approved material and product for Plug Valves. Fluid Control Specialties is the

	sole-authorized dealer for our region." The City currently utilizes DeZurik plug valves throughout the City's utility infrastructure.
Policy Requirements:	**Justification:** DeZURIK's Limited Warranty requires that products be properly installed, operated, and serviced in accordance with manufacturer recommendations. Unauthorized modifications, repairs, or installation of non-OEM components may void warranty coverage and eliminate manufacturer support. Procurement of genuine DeZURIK OEM components through the authorized distributor ensures compatibility with the City's existing infrastructure, preserves manufacturer warranty protection, and maintains reliable operation of these critical assets. **In accordance with Utilities Design and Construction Standard Manual- Dezurik is the approved material and product for Plug Valves.** The City currently utilizes DeZurik plug valves throughout the City's utility infrastructure. **Additionally, DeZURIK has provided written confirmation that Fluid Control Specialties, Inc. is the exclusive factory-authorized supplier for DeZURIK valves, parts, service, and maintenance within the City's geographic service area.** Therefore, competitive procurement of equivalent OEM replacement assemblies is not available.
History:	FY2026:$61,403 FY2025:$0 FY2024:$0 FY2023:$0 FY2022:$13,584

FUNDING SOURCE:
Approved FY26 budget

RECOMMENDED MOTION:
Approve the issuance of blanket purchase orders to Fluid Control Specialties, Inc.

ATTACHMENTS:
1. DeZurik - Fluid Control Specialties, Inc. - Sole Source Supplier

DeZURIK
250 Riverside Avenue North
Sartell, MN 56377 USA
Ph: 320-259-2000

January 14, 2026

SOLE SOURCE SUPPLIER

DeZURIK, APCO, Hilton, Willamette, Red Valve, Tideflex and RKL valves, parts, service and/or maintenance must be purchased through the local authorized manufacturer partner.

The exclusive factory-authorized supplier for the Municipal Water and Wastewater Market in the jobsite area is:

Fluid Control Specialties, Inc.
111 Martime Drive
Sanford, Florida 32771-6319
United States
PH: 407-302-5611

This includes the following Florida Counties:

Alachua, Baker, Bradford, Brevard, Broward, Charlotte, Citrus, Clay, Collier, Columbia, DeSoto, Dixie, Duval, Flagler, Franklin, Gadsden, Gilchrist, Glades, Hamilton, Hardee, Hendry, Hernando, Highlands, Hillsborough, Indian River, Jefferson, Lafayette, Lake, Lee, Leon, Levy, Liberty, Madison, Manatee, Marion, Martin, Miami-Dade, Monroe, Nassau, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, Sarasota, Seminole, St. Johns, St. Lucie, Sumter, Suwannee, Taylor, Union, Volusia, Wakulla.

Further questions or concerns should be directed to your local DeZURIK partner.

Nick Volkers
Municipal Sales Manager

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 6.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
Authorize the Chief of Police to accept and execute the Seminole County Sheriff's Office (SCSO) Subrecipient Agreement (HID0326G0677-00) for the FY2026 High Intensity Drug Trafficking Areas (HIDTA) Program.

ACTION ITEM INFORMATION:

REQUEST:

Authorize the Chief of Police to accept and execute the Seminole County Sheriff's Office (SCSO) Subrecipient Agreement (HID0326G0677-00) for the FY2026 High Intensity Drug Trafficking Areas (HIDTA) Program.

SUMMARY:
The High Intensity Drug Trafficking Areas (HIDTA) Program is a federal grant and operational program administered by the White House's Office of National Drug Control Policy (ONDCP). It supports regional, multi-agency task forces aimed at dismantling major drug trafficking and money laundering organizations.

The Seminole County Sheriff's Office (SCSO), as a fiduciary of Central Florida HIDTA, desires to reimburse the Apopka Police Department for its performance to support the activities, programs and projects of Central Florida HIDTA upon the terms and conditions hereinafter set forth.

The Grant Period is: 01/01/2026 - 12/31/2027. The items that are eligible for reimbursement are:

Overtime Reimbursement
Maximum overtime reimbursement for each agent will be determined by the Group Supervisor of each HIDTA Task Force. Overtime reimbursements paid to each agent will not exceed the annual amount authorized by the Central Florida HIDTA Executive Committee. It will be the SUBRECIPIENT's responsibility to ensure that each agent does not exceed the Federal Overtime cap for each calendar year of the grant.

Fuel Reimbursement
Fuel reimbursement requests shall be submitted to the HIDTA Group Supervisor with accompanying documentation confirming the fuel purchases.

Vehicle Lease Reimbursement
HIDTA may pay a vehicle allowance to agencies that provide a vehicle on a full-time basis for agents participating in a HIDTA initiative. By requesting payment of a vehicle allowance, SUBRECIPIENT is attesting that the vehicle assigned to the agent is used exclusively for HIDTA initiative related activities. Vehicle allowance requests shall not exceed six hundred twenty dollars ($620) per month.

FUNDING SOURCE:
Reimbursement Agreement funded by the Office of National Drug Control Policy through the Seminole County Sheriff's Office (SCSO). No local match required.

RECOMMENDED MOTION:

Authorize the Chief of Police to accept and execute the Seminole County Sheriff's Office (SCSO) Subrecipient Agreement (HID0326G0677-00) for the FY2026 High Intensity Drug Trafficking Areas (HIDTA) Program.

ATTACHMENTS:
1. SCSO - Cover Letter - HID0326G0677 - FY26 HIDTA
2. SCSO - Original - HID0326G0677 - FY26 HIDTA

Sheriff Dennis M. Lemma

SHERIFF
SEMINOLE COUNTY

July 20, 2026

Lovetta Quinn-Henry, PhD
Apopka Police Department
112 E. 6th Street
Apopka, FL 32703

Dear Chief Quinn-Henry:

The Office of National Drug Control Policy (ONDCP) has awarded the Seminole County Sheriff's Office grant funding in support of the Central Florida High Intensity Drug Trafficking Areas Program. As a member of Central Florida HIDTA, your agency is a subrecipient of the grant funds awarded to the Sheriff's Office. In order for the Sheriff's Office to reimburse your agency for expenses incurred as part of Central Florida HIDTA activities, please sign and return the included subrecipient agreement as soon as possible. The Sheriff's Office will not be able to reimburse any expenses until a signed subrecipient agreement is completed. An email copy of the signed agreement is acceptable in lieu of an original.

Please ensure the following sections of the subrecipient agreement are completed:
- Section 7 – Designated Representatives
- Section 15 – Notices
- Exhibit B – Subrecipient's Unique Entity Identifier (EIN)

If you have any questions, please contact me at btaylor@seminolesheriff.org.

Sincerely,

Barbara A. Taylor

Barbara A. Taylor, CPPO
Procurement and Agreements Manager

Attachment: Seminole County Sheriff's Office HIDTA Subrecipient Agreement

SEMINOLE COUNTY SHERIFF'S OFFICE
SUBRECIPIENT AGREEMENT FOR THE
HIGH INTENSITY DRUG TRAFFICKING AREAS PROGRAM
(HIDTA)

THIS AGREEMENT made and entered into the ____ day of _____, 2026 by and between Dennis M. Lemma, as Sheriff of Seminole County on behalf of the Seminole County Sheriff's Office whose address is 100 Eslinger Way, Sanford, Florida 32773, a Constitutional Officer of the political subdivision of Seminole County, State of Florida, holding tax exempt status, hereinafter referred to as "SCSO" and the Apopka Police Department whose principal and local address is 112 East 6th Street, Apopka, Florida 32703 hereinafter referred to as "SUBRECIPIENT." SCSO and SUBRECIPIENT are collectively referred to herein as the Parties.

***WITNESSETH*:**

WHEREAS, on July 03, 2026, the Executive Office of the President, Office of National Drug Control Policy awarded a grant to SCSO for the High Intensity Drug Trafficking Areas (HIDTA) Program (Grant #HID0326G0677-00) for a period of two (2) years beginning on January 1, 2026 which is attached as Exhibit C, Grant Agreement; and

WHEREAS, SUBRECIPIENT as a member of Central Florida HIDTA acknowledges the obligations of participation in the program; and

WHEREAS, SCSO, as a fiduciary of Central Florida HIDTA desires to reimburse SUBRECIPIENT for its performance to support the activities, programs and projects of Central Florida HIDTA upon the terms and conditions hereinafter set forth.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, it is agreed by and between the Parties hereto as follows:

SECTION 1: GENERAL PROVISIONS.

(a). The term "SUBRECIPIENT" as used in this Agreement is hereby defined herein as that person or entity, including employees, servants, partners, principals, agents and assignees participating in activities of Central Florida HIDTA under this Agreement.

(b). The recitals herein are true and correct and form and constitute a material part of this Agreement upon which the parties have relied.

(c). Each party hereto represents to the other that it has undertaken all necessary actions to execute this Agreement, and that it has the legal authority to enter

into this Agreement and to undertake all obligations imposed on it. The person(s) executing this Agreement for SUBRECIPIENT certify they are authorized to bind SUBRECIPIENT fully to the terms of this Agreement.

(d). Time is of the essence of the lawful performance of the duties and obligations contained in this Agreement .

(e). When the term “law” is used herein, said phrase shall include statutes, codes, rules and regulations of whatsoever type or nature enacted or adopted by a governmental entity of competent jurisdiction.

(f). It is agreed that nothing herein contained is intended or should be construed as in any manner creating or establishing a relationship of co-partners between the parties, or as constituting SUBRECIPIENT (including, but not limited to, its officers, employees, and agents) the agent, representative, or employee of SCSO for any purpose, or in any manner, whatsoever.

(g). Persons employed by SUBRECIPIENT to participate in the functions of Central Florida HIDTA pursuant to this Agreement shall have no claim to pension, workers’ compensation, unemployment compensation, civil service or other employee rights or privileges granted to SCSO’s officers and employees either by operation of law or by SCSO.

(h). No claim for reimbursement by SUBRECIPIENT not specifically provided for herein shall be honored by SCSO.

SECTION 2: SUBRECIPIENT RESPONSIBILITIES.

(a). SUBRECIPIENT acknowledges that funding for HIDTA operations is in the form of a federal grant and agrees to abide by all requirements set forth in the Grant Agreement in Exhibit C and the HIDTA Program Policy and Budget Guidance Manual located on the National HIDTA Assistance Center (NHAC) website at http://www.nhac.org/hidta_guidance/Program_Policy_and_Budget_Guidelines2017.pdf .

(b). SUBRECIPIENT shall be responsible for submittal of reimbursement requests in a format acceptable to SCSO as detailed in Section 7 of this Agreement.

(c). Neither SCSO’s review, approval or acceptance of, nor payment of any reimbursement invoice, shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement. SUBRECIPIENT shall be and remain liable to SCSO in accordance with applicable law for all damages to SCSO caused by SUBRECIPIENT’s negligent or improper reimbursement requests. SCSO is responsible to validate such damages or loss to SUBRECIPIENT.

(d). The rights and remedies of SCSO, provided for under this Agreement, are in addition to any other rights and remedies provided by law.

(e). SUBRECIPIENT shall disclose any potential conflicts of interest to this Agreement to SCSO prior to execution of the Agreement or if discovered after execution, as soon as SUBRECIPIENT is aware of the potential conflict of interest.

SECTION 3: SCSO RIGHTS AND RESPONSIBILITIES.

(a). SCSO shall reasonably cooperate with SUBRECIPIENT in a timely fashion as set forth in this Section.

(b). SCSO shall furnish a SCSO Representative, as appointed by the Designated Representative to administer, review and coordinate the payment of all reimbursement requests.

(c). SCSO shall make SCSO personnel available where, in SCSO's opinion, they are required and necessary to assist SUBRECIPIENT. The availability and necessity of said personnel to assist SUBRECIPIENT shall be determined solely at the discretion of SCSO.

(d). SCSO shall examine all of SUBRECIPIENT's reimbursement requests and indicate SCSO's approval or disapproval within a reasonable time so as not to materially delay the reimbursement of SUBRECIPIENT.

(e). SCSO shall transmit instructions, relevant information, and provide interpretation and definition of SCSO policies and decisions with respect to matters pertinent to the reimbursements covered by this Agreement.

(f). SCSO shall give written notice to SUBRECIPIENT whenever SCSO's Designated Representative knows of a development that affects the performance of this Agreement.

SECTION 4: REIMBURSEMENT.

Reimbursement requests, and all financial matters, shall be as set forth in Exhibit A, Reimbursement Procedures.

SECTION 5: INVOICE PROCESS.

(a). Invoices shall be submitted in the format in Exhibit D. Invoices shall be submitted on a quarterly basis to the appropriate HIDTA Group Supervisor for approval no later than fifteen (15) days following the end of the prior quarter. For this agreement, the end of each quarter is the months of December, March, June and September. Invoices without disputable items will be processed for payment within thirty (30) days of receipt of an approved invoice by SCSO.

(b). SUBRECIPIENT will be notified of any disputable items contained in invoices submitted by SUBRECIPIENT within fifteen (15) days of receipt by SCSO with an explanation of the deficiencies.

(c). SCSO and SUBRECIPIENT will make every effort to resolve all disputable items contained in SUBRECIPIENT invoices.

SECTION 6: TERM/LENGTH OF AGREEMENT.

(a). This Agreement shall commence January 1, 2026 and shall terminate on December 31, 2027 or until terminated pursuant to the terms of this Agreement.

SECTION 7: DESIGNATED REPRESENTATIVES.

(a). SCSO designates SCSO's Procurement and Agreements Manager or his/her designated representative, to represent SCSO in all matters pertaining to and arising from this Agreement.

(b). SCSO's Procurement and Agreements Manager, or his/her designated representative, shall have the following responsibilities:

(1). Transmission of instructions, receipt of information, and interpretation and definition of SCSO's policies and decisions with respect to this Agreement.

(2). Giving prompt notice to SUBRECIPIENT whenever SCSO's designated representative knows of a change necessary in the project.

(c). Until further notice from SCSO, the designated representative for this Agreement is:

Barbara Taylor, CPPO
Procurement and Agreements Manager
Seminole County Sheriff's Office
100 Eslinger Way
Sanford, Florida 32773

(d). SUBRECIPIENT's designated representative is:

Lovetta Quinn-Henry, PhD.
Chief of Police
Apopka Police Department
112 East 6th Street
Apopka, Florida 32703

SECTION 8: EMPLOYEES

(a). SUBRECIPIENT may engage employees at its discretion and is responsible for all such employees.

(b). SUBRECIPIENT shall comply with the requirements of the *Americans with Disabilities Act* (ADA), and any and all related Federal or State laws which prohibits discrimination by public and private entities on the basis of disability.

(c). SCSO will not intentionally award publicly-funded contracts to any SUBRECIPIENT who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324a(e) Section 274A(e) of the *Immigration and Nationality Act* (*INA*)]. SCSO shall consider the employment by SUBRECIPIENT of unauthorized aliens, a violation of Section 274A (e) of the *INA*. Such violation by SUBRECIPIENT of the employment provisions contained in Section 274A (e) of the *INA* shall be grounds for termination of this Agreement.

(d). If applicable, in accordance with Section 216.347, *Florida Statutes*, SUBRECIPIENT shall not use funds provided by this Agreement for the purpose of lobbying the Legislature, the judicial branch or State agency.

(e). SUBRECIPIENT shall advise SCSO in writing if it has been placed on a discriminatory vendor list, may not submit a bid on a contract to provide goods or services to a public entity, or may not transact business with any public entity.

(f). SUBRECIPIENT shall not knowingly engage in any action that would create a conflict of interest in the performance of that actions of any SCSO employee or other person during the course of performance of, or otherwise related to, this Agreement or which would violate or cause others to violate the provisions of Part III, Chapter 112, *Florida Statutes*, relating to ethics in government.

SECTION 9: ACCESS TO RECORDS/AUDIT /PUBLIC RECORDS.

(a). SUBRECIPIENT shall maintain books, records, documents, time and costs accounts and other evidence directly related to this Agreement. All time records and cost data shall be maintained in accordance with generally accepted accounting principles.

(b). SUBRECIPIENT shall maintain and allow access to the records required under this Section for a minimum period of five (5) years after the completion of this Agreement and date of final payment, or date of termination of this Agreement.

(c). SCSO may perform, or cause to have performed, an audit of the records of SUBRECIPIENT regarding payments issued hereunder. This audit shall be performed at a time mutually agreeable to SUBRECIPIENT and SCSO subsequent to the close of the final fiscal period of the agreement. Total compensation to SUBRECIPIENT may be determined subsequent to an audit as provided for in this Section, and the total

compensation so determined shall be used to calculate final payment to SUBRECIPIENT. If such audit confirms that SUBRECIPIENT was underpaid, SUBRECIPIENT shall submit an invoice to SCSO within fifteen (15) days of notice of underpayment for the balance owed. Conduct of this audit shall not delay payments as required by this Section. SUBRECIPIENT shall have no obligation to pay any costs incurred in any audit performed by SCSO or at SCSO's direction and such costs shall be the sole obligation of SCSO.

(d). In addition to the above, if Federal, State, County, or other entity funds are used for services under this Agreement, the Comptroller General of the United States or the Chief Financial Officer of the State of Florida, or Seminole County, or any representatives, shall have access to any books, documents, papers, and records of SUBRECIPIENT which are directly pertinent to this Agreement for purposes of making audit, examination, excerpts, and transcriptions.

(e). In the event of any audit or inspection conducted reveals any overpayment by SCSO under the terms of the Agreement, SUBRECIPIENT shall refund such overpayment to SCSO within thirty (30) days of notice by SCSO of the request for the refund.

(f). SUBRECIPIENT agrees that if any litigation, claim, or audit is started before the expiration of the record retention period established above, the records shall be retained until all litigation, claims or audit findings involving the records have been resolved and final action taken.

SECTION 10: DEBARMENT AND SUSPENSION

Federally awarded contracts must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM). By executing this Agreement, SUBRECIPIENT is certifying SUBRECIPIENT is not currently on this list and will immediately notify SCSO if SUBRECIPIENT is placed on the list.

SECTION 11. ANTI-LOBBYING AMENDMENT

By executing this Agreement, SUBRECIPIENT is certifying that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award.

SECTION 12: CONTROLLING LAWS/VENUE/INTERPRETATION.

(a). This Agreement is to be governed by the laws of the State of Florida.

(b). Venue for any legal proceeding related to this Agreement shall be in the Eighteenth Judicial Circuit Court in and for Seminole County, Florida.

SECTION 13: *FORCE MAJEURE*.

Neither party shall be considered in default in performance of its obligations hereunder to the extent that performance of such obligations, or any of them, is delayed or prevented by *Force Majeure*. *Force Majeure* shall include, but not be limited to, hostility, terrorism, revolution, civil commotion, strike, epidemic, pandemic, fire, flood, wind, earthquake, explosion, any law, proclamation, regulation, or ordinance or other act of government, or any act of God or any cause whether of the same or different nature, existing or future; provided that the cause whether or not enumerated in this Section is beyond the control and without the fault or negligence of the party seeking relief under this Section.

SECTION 14: EXTENT OF AGREEMENT/INTEGRATION/AMENDMENT.

(a). This Agreement, together with the exhibits, if any, constitutes the entire integrated Agreement between SCSO and SUBRECIPIENT and supersedes all prior written or oral understandings in connection therewith. This Agreement, and all the terms and provisions contained herein, including without limitation the Exhibits hereto, constitute the full and complete agreement between the parties hereto to the date hereof, and supersedes and controls over any and all prior agreements, understandings, representations, correspondence and statements whether written or oral.

(b). This Agreement may only be amended, supplemented, terminated or modified by a formal written amendment.

(c). Any alterations, amendments, deletions, termination or waivers of the provisions of this Agreement shall be valid only when expressed in writing and duly signed by the parties.

SECTION 15: NOTICES.

(a). Whenever either party desires to give notice unto the other, it must be given by written notice, sent by registered United States mail, with return receipt requested, addressed to the party for whom it is intended, at the place last specified, and the place for giving of notice shall remain such until it shall have been changed by written notice in compliance with the provisions of this Section.

(b). For the present, the parties designate the following as the representative places for giving of notice, to-wit:

(1). For SCSO:

Barbara Taylor, CPPO
Procurement and Agreements Manager
Seminole County Sheriff's Office
100 Eslinger Way
Sanford, Florida 32773

(2). For SUBRECIPIENT:

Lovetta Quinn-Henry, PhD.
Chief of Police
Apopka Police Department
112 East 6th Street
Apopka, Florida 32703

(c). Written notice requirements of this Agreement shall be strictly construed and such requirements are a condition precedent to pursuing any rights or remedies hereunder. SUBRECIPIENT agrees not to claim any waiver by SCSO of such notice requirements based upon SCSO having actual knowledge, implied, verbal or constructive notice, lack of prejudice or any other grounds as a substitute for the failure of SUBRECIPIENT to comply with the express written notice requirements herein. Computer notification (e-mails and message boards) shall not constitute proper written notice under the terms of the Agreement.

SECTION 16: WAIVER.

The failure of SCSO to insist in any instance upon the strict performance of any provision of this Agreement or to exercise any right or privilege granted to SCSO hereunder shall not constitute or be construed as a waiver of any such provision or right and the same shall continue in force. The failure of SUBRECIPIENT to insist in any instance upon the strict performance of any provision of this Agreement or to exercise any right of privilege granted to SCSO hereunder shall not constitute or be construed as a waiver of any such provision or right and the same shall continue in force.

SECTION 17: CAPTIONS.

The Section headings and captions of this Agreement are for convenience and reference only and in no way define, limit, describe the scope or intent of this Agreement or any part thereof, or in any way affect this Agreement or construe any provision of this Agreement.

SECTION 18: SEVERABILITY/CONSTRUCTION.

(a). If any term, provision or condition contained in this Agreement shall, to any extent, be held invalid or unenforceable, the remainder of this Agreement, or the

application of such term, provision or condition to persons or circumstances other than those in respect of which it is invalid or unenforceable, shall not be affected thereby, and each term, provision and condition of this Agreement shall be valid and enforceable to the fullest extent permitted by law when consistent with equity and the public interest.

(b). All provisions of this Agreement shall be read and applied in *pari materia* with all other provisions hereof.

SECTION 19: COUNTERPARTS.

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which, taken together, shall constitute one and the same document.

SECTION 20: GRANT INFORMATION

See Exhibit B, Required Grant Information for information required for all subawards to this Federal Grant.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature: SCSO and SUBRECIPIENT signing by and through its duly authorized corporate officer having the full and complete authority to execute same.

Apopka Police Department

_____ _____

Witness Authorized Agent for SUBRECIPIENT

Date: _____

Seminole County Sheriff's Office

_____ _____

Witness Lisa Spriggs
Chief of Administrative Services

Date: _____

EXHIBIT A
REIMBURSEMENT PROCEDURES

SUBRECIPIENT shall provide reimbursement documentation to SCSO for agents participating in HIDTA sponsored task forces as outlined below.

Availability of funds for reimbursement is determined by the Central Florida HIDTA Executive Board. Not all categories listed are eligible for all agencies.

Requests for reimbursement shall be submitted on a quarterly basis to the HIDTA Group Supervisor in accordance with Section 7 of this Agreement.

Overtime Reimbursement

Maximum overtime reimbursement for each agent will be determined by the Group Supervisor of each HIDTA Task Force. Overtime reimbursements paid to each agent will not exceed the annual amount authorized by the Central Florida HIDTA Executive Committee. SUBRECIPIENT will compensate their agent(s) for overtime pay in accordance with SUBRECIPIENT's compensation policy. SUBRECIPIENT shall submit the reimbursement request with accompanying documentation confirming the overtime payment to the HIDTA Group Supervisor for approval. Overtime shall be reimbursed on actual overtime paid to the agent as documented on the agent's pay check.

At a minimum, overtime documentation shall include the following:

(a). Log of HIDTA hours worked
(b). Copy of payroll detail for each agent showing hours paid and hourly rate
(c). Copy of check stub showing overtime payment for HIDTA hours worked
(d). If overtime is paid on a different pay cycle than the pay period, an explanation of how overtime hours are calculated.

It will be the SUBRECIPIENT's responsibility to ensure that each agent does not exceed the Federal Overtime cap for each calendar year of the grant.

Fuel Reimbursement

Fuel reimbursement requests shall be submitted to the HIDTA Group Supervisor with accompanying documentation confirming the fuel purchases.

At a minimum, fuel reimbursement documentation shall include the following:

(a). Copy of each fuel receipt showing the date of purchase, amount of fuel purchased and total cost of each purchase.
(b). Proof of payment by the SUBRECIPIENT for the fuel purchase, i.e., copy of check, credit card statement, etc.
(c). If fuel payments are through a fuel card vendor such as WEX, reimbursement will

be for the amount paid to the fuel card vendor, not the amount on the receipt. The statement from the fuel card vendor will need to be submitted to document the actual amount paid.

Vehicle Lease Reimbursement

HIDTA may pay a vehicle allowance to agencies that provide a vehicle on a full-time basis for agents participating in a HIDTA initiative. By requesting payment of a vehicle allowance, SUBRECIPIENT is attesting that the vehicle assigned to the agent is used exclusively for HIDTA initiative related activities.

Vehicle allowance requests shall be submitted to the HIDTA Group Supervisor with the quarterly invoice. Vehicle allowance requests shall not exceed six hundred twenty dollars ($620) per month.

EXHIBIT B
REQUIRED GRANT INFORMATION

Required Information	
Subrecipient Name	Apopka Police Department
Subrecipient's Unique Entity Identifier	**U5ELGNDQMLV3**
Federal Award Identification Number	HID0326G0677-00
Federal Award Date	July 02, 2026
Subaward Period of Performance	01/01/26-12/31/27
Amount of Federal Funds obligated by this Agreement	Reimbursement basis only
Total Amount of Federal Funds Obligated to Subrecipient including this obligation	Reimbursement basis only
Total Amount of Federal Award Committed to Subrecipient	Reimbursement basis only
Federal Award Project Description	High Intensity Drug Trafficking Areas Program
Name of Federal Awarding Agency	Office of National Drug Control Policy
Name of Pass Through Entity	Seminole County Sheriff's Office
Pass Through Entity Awarding Official Contact Information	Barbara Taylor, Procurement and Agreements Manager btaylor@seminolesheriff.org
CFDA Number and Name	95.001 – High Intensity Drug Trafficking Areas Program
Is award for Research and Development?	No
Indirect Cost Rate	N/A

EXHIBIT C
GRANT AGREEMENT

Office of National Drug Control Policy

Notice of Award

Award# HID0326G0677-00
FAIN# HID0326G0677
Federal Award Date: 07/02/2026

Recipient Information

1. Recipient Name
SEMINOLE COUNTY SHERIFF'S OFFICE
100 ESLINGER WAY
SANFORD, FL 32773-6706
407-665-6617

2. Congressional District of Recipient
07

3. Payment System Identifier (ID)
596000860

4. Employer Identification Number (EIN)
596000860

5. Data Universal Numbering System (DUNS)

6. Recipient's Unique Entity Identifier (UEI)
N2DGNLKN5J71

7. Project Director or Principal Investigator
Gabriella Coulter
Grants Analyst
gcoulter@seminolesheriff.org
407-665-6536

8. Authorized Official
Gabriella Coulter
Grants Analyst
gcoulter@seminolesheriff.org
407-665-6536

Federal Agency Information
Office of National Drug Control Policy (ONDCP)

9. Awarding Agency Contact Information
Shannon L. Kelly
Assistant Director
Shannon_L._Kelly@ondcp.eop.gov
202-841-5240

10.Program Official Contact Information
Shannon L. Kelly
Assistant Director
Shannon_L._Kelly@ondcp.eop.gov
202-841-5240

Federal Award Information

11. Award Number
HID0326G0677-00

12. Unique Federal Award Identification Number (FAIN)
HID0326G0677

13. Statutory Authority
Public Law 119-75

14. Federal Award Project Title
High Intensity Drug Trafficking Areas (HIDTA) Program Fiscal Year (FY) 2026 Grant

15. Assistance Listing Number
95.001

16. Assistance Listing Program Title
High Intensity Drug Trafficking Areas

17. Award Action Type
New

18. Is the Award R&D?
No

Summary Federal Award Financial Information

19.	**Budget Period Start Date** 01/01/2026 **- End Date** 12/31/2027	
20.	**Total Amount of Federal Funds Obligated by this Action**	$899,640.00
	20a. Direct Cost Amount	$899,640.00
	20b. Indirect Cost Amount	$0.00
21.	Authorized Carryover	$0.00
22.	Offset	$0.00
23.	Total Amount of Federal Funds Obligated this budget period	$0.00
24.	**Total Approved Cost Sharing or Matching, where applicable**	$0.00
25.	**Total Federal and Non-Federal Approved this Budget Period**	$899,640.00
26.	**Period of Performance Start Date** 01/01/2026 **- End Date** 12/31/2027	
27.	Total Amount of the Federal Award including Approved Cost Sharing or Matching this Period of Performance	$899,640.00

28. Authorized Treatment of Program Income

29. Grants Management Officer – Signature
Lisa Newton
Grants Management Specialist

30. Remarks

New Award

The funding amount in Box 33 may not necessarily reflects the budget breakout by object class. Refer to the attached budget reports for details.

Office of National Drug Control Policy

Notice of Award

Award# HID0326G0677-00
FAIN# HID0326G0677
Federal Award Date: 07/02/2026

Recipient Information

Recipient Name
SEMINOLE COUNTY SHERIFF'S OFFICE
100 ESLINGER WAY
SANFORD, FL 32773-6706
407-665-6617

Congressional District of Recipient
07

Payment Account Number and Type
596000860

Employer Identification Number (EIN) Data
596000860

Universal Numbering System (DUNS)

Recipient's Unique Entity Identifier (UEI)
N2DGNLKN5J71

31. Assistance Type
Project Grant

32. Type of Award
Other

33. Approved Budget
(Excludes Direct Assistance)

I. Financial Assistance from the Federal Awarding Agency Only
II. Total project costs including grant funds and all other financial participation

a. Salaries and Wages	$0.00
b. Fringe Benefits	$0.00
c. Total Personnel Costs	$0.00
d. Equipment	$0.00
e. Supplies	$0.00
f. Travel	$0.00
g. Construction	$0.00
h. Other	$899,640.00
i. Contractual	$0.00
j. TOTAL DIRECT COSTS	**$899,640.00**
k. INDIRECT COSTS	**$0.00**
l. TOTAL APPROVED BUDGET	**$899,640.00**
m. Federal Share	**$899,640.00**
n. Non-Federal Share	**$0.00**

34. Accounting Classification Codes

FY-ACCOUNT NO.	DOCUMENT NO.	ADMINISTRATIVE CODE	OBJECT CLASS	CFDA NO.	AMT ACTION FINANCIAL ASSISTANCE	APPROPRIATION
FY 2026 HIDTA GRANTS	HID0326G0677	HID	410001	95.001	$899,640.00	011202620271070000

AWARD ATTACHMENTS

SEMINOLE COUNTY SHERIFF'S OFFICE HID0326G0677-00

1. 2026 General TC Final
2. 2026 HIDTA Specific TCs

A. GENERAL TERMS AND CONDITIONS

(1) This award is subject to the Uniform Administrative Requirements, Cost Principles, and Audit Requirements in 2 C.F.R. § 200 (the "§ 200 Uniform Requirements"), as adopted and implemented by the Office of National Drug Control Policy (ONDCP) in 2 C.F.R.§3603. For this award, the § 200 Uniform Requirements supersede, among other things, the provisions of 28 C.F.R. §§ 66 and 70, as well as those of 2 C.F.R. §§ 215, 220, 225, and 230. For more information on the § 200 Uniform Requirements, see https://www.ecfr.gov/current/title-2/subtitle-A/chapter-II/part-200. For specific, award- related questions, recipients should contact ONDCP promptly for clarification.

(2) As a recipient of federal funding, compliance with all applicable laws and Executive Orders (EO) is a condition of this award, as required by federal regulations, including the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards 2 CFR Part 200. Your compliance responsibilities are ongoing throughout the period of performance.

- Your organization is expected to:
  - Review applicable EOs and associated guidance;
  - Update internal policies and practices to ensure alignment with these requirements; and
  - Cooperate fully with any compliance reviews or audits conducted by ONDCP.
- Failure to comply with applicable EOs may result in enforcement actions, including suspension or termination of funding, recovery of funds, or referral for debarment proceedings.
- Applicable EOs include, but are not limited to:
  - Executive Order 14159: Protecting the American People from Invasion
  - Executive Order 14168: Defending Women from Gender Ideology Extremism and Restoring Biological Truth to the Federal Government
  - Executive Order 14182: Enforcing the Hyde Amendment
  - Executive Order 14303: Restoring Gold Standard Science
  - Executive Order 14321: Ending Crime and Disorder on America's Streets
- Additional Executive Orders, including any issued during the period of performance, may apply. Applicants are responsible for ensuring compliance with all federal laws, regulations, Executive Orders and public policies governing financial assistance awards. If you have any questions regarding which EO(s) apply to your award or need technical assistance in updating your policies, please contact your program official.

(3) This award is subject to the following additional regulations and requirements:

- 28 C.F.R. § 69 – "New Restrictions on Lobbying"
- 2 C.F.R. § 25 – "Unique Entity Identifier and System for Award Management"
- Conflict of Interest and Mandatory Disclosure Requirements
- Non-profit Certifications (when applicable)

(4) Audits conducted pursuant to 2 C.F.R. § 200, Subpart F, "Audit Requirements" must be submitted no later than 9 months after the close of the recipient's audited fiscal year to The Federal Audit Clearinghouse (fac.gov)

(5) Recipients are required to submit Federal Financial Reports (FFR) to the Department of Health and Human Services, Payment Management Services (HHS/PMS). The Federal Financial Report is required to be submitted quarterly and within 90 days after the award is closed out.

(6) The recipient gives the awarding agency or the Government Accountability Office, through any authorized representative, access to, and the right to examine, all paper or electronic records related to the award.

(7) Recipients are not agents of ONDCP. Accordingly, the recipient, its fiscal agent(s), employees, contractors, as well as state, local, and federal participants, either on a collective basis or on a personal level, shall not hold themselves out as being part of, or representing, the Executive Office of the President or ONDCP.

(8) Recipient agrees that federal funds cannot be used for programs that discriminate based on protected characteristics. The recipient agrees to monitor sub-awards to ensure ongoing compliance with federal nondiscrimination laws.

(9) Failure to adhere to the General Terms and Conditions as well as the Program Specific Terms and Conditions may result in the termination of the award or the initiation of administrative action. ONDCP may also terminate the award if it no longer effectuates program goals or agency priorities. See 2 C.F.R. § 200.340.

(10) Conflict of Interest and Mandatory Disclosures

Conflict of Interest Requirements

As a recipient entity, you must follow ONDCP's conflict of interest policies for federal awards. Recipients must disclose in writing any potential conflict of interest to an ONDCP Program Officer; recipients that are pass-through entities must require disclosure from sub-recipients or contractors. This disclosure must take place immediately whether you are an applicant or have an active ONDCP award.

The ONDCP conflict of interest policies apply to sub-awards as well as contracts, and are as follows:

As a recipient entity, you must maintain written standards of conduct covering conflicts of interest and governing the performance of your employees engaged in the selection, award, and administration of sub-awards and contracts.

None of your employees may participate in the selection, award, or administration of a sub-award or contract supported by a federal award if he or she has a real or apparent conflict of interest. Such a conflict of interest would arise when the employee, officer, or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the parties indicated herein, has a financial or other interest in or a tangible personal benefit from an organization considered for a sub-award or contract. The officers, employees, and agents of the recipient entity must neither solicit nor accept gratuities, favors, or anything of monetary value from sub-recipients or contractors or parties to sub-awards or contracts.

If you have a parent, affiliate, or subsidiary organization that is not a state, local government, or

Indian tribe, you must also maintain written standards of conduct covering organizational conflicts of interest. Organizational conflicts of interest means that because of relationships with a parent company, affiliate, or subsidiary organization, you are unable or appear to be unable to be impartial in conducting a sub-award or procurement action involving a related organization.

Mandatory Disclosure Requirement

As a recipient entity, you must disclose, in a timely manner, in writing to ONDCP all violations of federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the federal award. Recipient entities that have received a federal award are required to report certain civil, criminal, or administrative proceedings, including the terms and conditions outlined in 2 C.F.R part 200, Subpart F, Appendix XII, to the System for Award Management (SAM), currently the Federal Awardee Performance and Integrity Information System. Failure to make required disclosures can result in any of the remedies described in 2 C.F.R. § 200.339. (See also 2 C.F.R. § 180, 31 U.S.C. § 3321, and 41 U.S.C. § 2313.)

None of the funds appropriated or otherwise made available by this award or any other Act may be used to fund a contract, grant, or cooperative agreement with an entity that requires employees or contractors of such entity seeking to report fraud, waste, or abuse to sign internal confidentiality agreements or statements prohibiting or otherwise restricting such employees or contractors from lawfully reporting such waste, fraud, or abuse to a designated investigative or law enforcement representative of a federal department or agency authorized to receive such information. This limitation shall not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a federal department or agency governing the nondisclosure of classified information.

(11) Federal Funding Accountability and Transparency (FFATA) / Digital Accountability and Transparency Act (DATA Act). Each applicant is required to (i) be registered in SAM before submitting its application; (ii) provide a valid Unique Entity Identifier number in its application; (iii) continue to maintain an active SAM registration with current information at all times during which it has an active federal award; and (iv) provide all relevant recipient information required for ONDCP to collect for reporting related to FFATA and DATA Act requirements.

(12) Subawards are authorized under this award. Subawards must be monitored by the award recipient as outlined in 2 C.F.R. § 200.331.

(13) Recipients must comply with the Government-wide Suspension and Debarment provision set forth at 2 C.F.R. § 180, dealing with all sub-awards and contracts issued under the award.

(14) As specified in 2 C.F.R. § 200.303 Internal Controls, recipient must:

a) Establish and maintain effective internal controls over the federal award that provides reasonable assurance that federal award funds are managed in compliance with federal statutes, regulations and award terms and conditions. These internal controls should be in compliance with the guidance in “Standards for Internal Control in the federal Government,” issued by the Comptroller General of the United States and the “Internal Control Integrated Framework,” issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

b) Comply with federal statutes, regulations, and the terms and conditions of the federal awards.

c) Evaluate and monitor the recipient entity’s compliance with statute,

regulations, and the terms and conditions of the federal award.

d) Take prompt action when instances of noncompliance are identified, including noncompliance identified in audit findings.

e) Take reasonable measures to safeguard protected personally identified information (PII) and other information ONDCP or pass-through entity designates as sensitive or the recipient entity considers sensitive consistent with applicable federal, state, and local laws regarding privacy and obligations of confidentiality.

(15) Recipients are prohibited from using federal award funds to purchase certain telecommunication and video surveillance services or equipment in alignment with § 889 of the National Defense Authorization Act of 2019, Pub. L. No. 115-232. See 2 C.F.R. §200.216.

(16) Recipients should provide a preference, to the extent permitted by law, to maximize use of goods, products, and materials produced in the United States. See 2 C.F.R. § 200.322.

(17) When issuing statements, press releases, requests for proposals, bid solicitations and other documents describing projects or programs funded in whole or in part with federal money, all recipients receiving federal funds shall clearly state—

a) the percentage of the total costs of the program or project which will be financed with Federal money;

b) the dollar amount of Federal funds for the project or program; and

c) percentage and dollar amount of the total costs of the project or program that will be financed by non-governmental sources.

B. RECIPIENT INTEGRITY AND PERFORMANCE MATTERS

Reporting of Matters Related to Recipient Integrity and Performance

(1) General Reporting Requirement.

If the total value of your active grants, cooperative agreements, and procurement contracts from all Federal agencies exceeds $10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient must ensure the information available in the responsibility/qualification records through the System for Award Management (*SAM.gov*), about civil, criminal, or administrative proceedings described in paragraph (b) of this award term is current and complete. This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in responsibility/qualification records in *SAM.gov* on or after April 15, 2011 (except past performance reviews required for Federal procurement contracts) will be publicly available. See 2 C.F.R. Part 200, Appendix XII.

(2) Proceedings About Which You Must Report.
You must submit the required information about each proceeding that —

a. Is in connection with the award or performance of a grant, cooperative agreement, or procurement contract from the federal Government;

b. Reached its final disposition during the most recent five-year period; and

c. Is one of the following:

(1) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;

(2) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of $5,000 or more;

(3) An administrative proceeding, as defined in paragraph 5 of this award term and condition, that resulted in a finding of fault and liability and your payment of either a monetary fine or penalty of $5,000 or more or reimbursement, restitution, or damages in excess of $100,000; or

- Any other criminal, civil, or administrative proceeding if:

  (i) It could have led to an outcome described in paragraph 2.c.(1), (2), or (3) of this award term and condition;

  (ii) It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and

  (iii) The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.

(3) Reporting Procedures

Enter in the SAM.gov Entity Management area the information that SAM.gov requires about each proceeding described in paragraph 2 of this award term and condition. You do not need to submit the information a second time under assistance awards that you received if you already provided the information through SAM.gov because you were required to do so under federal procurement contracts that you were awarded.

(4) Reporting Frequency

During any period of time when you are subject to the requirement in paragraph 1 of this award term and condition, you must report proceedings information through SAM.gov for the most recent five-year period, either to report new information about any proceeding(s) that you have not reported previously or affirm that there is no new information to report. Recipients that have federal contract, grant, and cooperative agreement awards with a cumulative total value greater than $10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.

(5) Definitions

For purposes of this award term and condition:

a. Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level, but only in connection with performance of a Federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.

b. Conviction means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.

c. Total value of currently active grants, cooperative agreements, and procurement contracts includes the value of the Federal share already received plus any anticipated Federal share under those awards (such as continuation funding).

C. PAYMENT BASIS

(1) A request for advance or reimbursement shall be made using the HHS/PMS system (https://pms.psc.gov/).

(2) The recipient, must utilize the object classes specified within the initial budget/award application each time they submit a disbursement request to ONDCP. Requests for payment in the PMS system will not be approved unless the required disbursements have been entered using the corresponding object class designations. The recipient must provide written explanations or support, with specificity, for requests for each drawdown. Payments will be made via Electronic Fund Transfer to the award recipient's bank account. The bank must be Federal Deposit Insurance Corporation (FDIC) insured. The account must be interest bearing.

(3) Except for interest earned on advances of funds exempt under the Intergovernmental Cooperation Act (31 U.S.C. § 6501 et seq.) and the Indian Self-Determination and Education Assistance Act (25 U.S.C. §§ 5301 — 5423) awardees and sub-awardees shall promptly, but at least annually, remit interest earned on advances to HHS/PMS using the remittance instructions provided below.

Remittance Instructions – Remittances must include pertinent information of the payee and nature of payment in the memo area (often referred to as "addenda records" by Financial Institutions) as that will assist in the timely posting of interest earned on federal funds.

Pertinent details include the Payee Account Number (PAN), reason for check (remittance of interest earned on advance payments), check number (if applicable), awardee name, award number(s), interest period covered, and contact name and number. The remittance must be submitted as instructed in https://pms.psc.gov/grant-recipients/returning-funds-interest.html.

(4) The recipient or subrecipient may keep interest amounts up to $500 per year for administrative purposes.

D. PROGRAM SPECIFIC TERMS AND CONDITIONS

The grant conditions are as follows:

- This award is subject to the requirements in the SUPPORT for Patients and Communities Act, 21 U.S.C. §§ 1701 et seq. and in the ONDCP National HIDTA Program Office HIDTA *Program Policy and Budget Guidance* (September 9, 2021) (PPBG). The HIDTA PPBG is issued pursuant to authority granted the Director of ONDCP by the SUPPORT for Patients and Communities ACT (21U.S.C. § 1706) and the Uniform Administration Requirements (2 C.F.R. § 200) which provide the Director of ONDCP authority to coordinate funds and implement oversight and management function with respect to the HIDTA Program. The HIDTA PPBG can be accessed at the following website: https://www.nhac.org/PDF/Program_Policy_and_Budget_Guidance2021.pdf

- In addition, as a condition for receiving this award, recipients must coordinate all counterdrug operations with a local or regional Homeland Security Task Force.

Drawdown of awards, as described in Section C, constitutes your acceptance of these terms and conditions.

Recipients are prohibited from using federal grant funds to purchase certain telecommunication and video surveillance services or equipment in alignment with § 889 of the National Defense Authorization Act of 2019, Pub. L. No. 115-232. See 2 C.F.R. §200.216. See also, HIDTA PPBG, § 7.20, Prohibited Uses of HIDTA Funds.

E. FEDERAL AWARD PERFORMANCE GOALS

HIDTA award recipients must adhere to the performance measures, goals and requirements set forth in the PPBG Performance Management chapter (§ 10.0) and the HIDTA Performance Management Process (PMP) database.

Initiative Cash by HIDTA

FY 2026

HID26000440

Awarded Budget (as approved by ONDCP)

HIDTA	Agency Name	Initiative	Cash	Type
Central Florida	SEMINOLE COUNTY SHERIFF'S OFFICE	City County Investigative Bureau	$190,000.00	Investigation
		DEA Heroin Task Force	$161,529.83	Investigation
		DEA Mexican Poly-Drug Task Force	$184,776.84	Investigation
		Fugitive Apprehension Strike Team (FAST)	$114,999.00	Investigation
		Investigative Support Center	$10,647.00	Intelligence
		Management and Coordination	$12,400.00	Administration
		Methamphetamine Task Force	$177,287.33	Investigation
		Metropolitan Bureau of Investigation	$48,000.00	Investigation
	Agency Total: SEMINOLE COUNTY SHERIFF'S OFFICE		**$899,640.00**	

Budget Detail

2026 - Central Florida

Initiative - City County Investigative Bureau — Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Overtime	**Quantity**	**Amount**
Investigative - Law Enforcement Officer	16	$190,000.00
Total Overtime		**$190,000.00**
Total Budget		**$190,000.00**

Budget Detail

2026 - Central Florida

Initiative - DEA Heroin Task Force — Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		***$899,640.00***
Overtime	**Quantity**	**Amount**
Investigative - Law Enforcement Officer	3	$45,295.00
Total Overtime		**$45,295.00**
Travel	**Quantity**	**Amount**
Travel	0	$11,411.00
Total Travel		**$11,411.00**
Services	**Quantity**	**Amount**
Equipment rentals		$2,940.00
Investigative services		$1,000.00
Communications - mobile phones & pagers		$4,200.00
Vehicle lease - passenger	2	$14,880.00
Total Services		**$23,020.00**
Supplies	**Quantity**	**Amount**
Office		$9,883.83
Investigative/Operational		$6,000.00
Total Supplies		**$15,883.83**
Other	**Quantity**	**Amount**
PE/PI/PS		$65,920.00
Total Other		**$65,920.00**
Total Budget		**$161,529.83**

Budget Detail

2026 - Central Florida

Initiative - DEA Mexican Poly-Drug Task Force — Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Overtime	**Quantity**	**Amount**
Investigative - Law Enforcement Officer	4	$50,000.00
Total Overtime		**$50,000.00**
Travel	**Quantity**	**Amount**
Investigative/Operational	0	$19,026.50
Total Travel		**$19,026.50**
Services	**Quantity**	**Amount**
Communications - mobile phones & pagers		$5,100.00
Vehicle lease - passenger	3	$28,460.00
Total Services		**$33,560.00**
Supplies	**Quantity**	**Amount**
Office		$1,550.00
Investigative/Operational		$2,640.00
Total Supplies		**$4,190.00**
Other	**Quantity**	**Amount**
PE/PI/PS	0	$78,000.34
Total Other		**$78,000.34**
Total Budget		**$184,776.84**

Budget Detail

2026 - Central Florida

Initiative - Fugitive Apprehension Strike Team (FAST) Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Travel	**Quantity**	**Amount**
Investigative/Operational	0	$4,999.00
Total Travel		**$4,999.00**
Services	**Quantity**	**Amount**
Vehicle lease - passenger	1	$7,440.00
Communications - mobile phones & pagers		$9,560.00
Total Services		**$17,000.00**
Supplies	**Quantity**	**Amount**
Office		$1,800.00
Investigative/Operational		$4,200.00
Total Supplies		**$6,000.00**
Other	**Quantity**	**Amount**
Administrative costs	0	$75,000.00
PE/PI/PS	0	$12,000.00
Total Other		**$87,000.00**
Total Budget		**$114,999.00**

Budget Detail

2026 - Central Florida

Initiative - Investigative Support Center — Intelligence

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Travel	**Quantity**	**Amount**
Investigative/Operational	0	$10,647.00
Total Travel		**$10,647.00**
Total Budget		**$10,647.00**

Budget Detail

2026 - Central Florida

Initiative - Management and Coordination — Administration

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Travel	**Quantity**	**Amount**
Investigative/Operational	0	$12,400.00
Total Travel		**$12,400.00**
Total Budget		**$12,400.00**

Budget Detail

2026 - Central Florida

Initiative - Methamphetamine Task Force — Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Overtime	**Quantity**	**Amount**
Overtime	4	$46,634.00
Total Overtime		**$46,634.00**
Travel	**Quantity**	**Amount**
Investigative/Operational	0	$10,594.33
Total Travel		**$10,594.33**
Services	**Quantity**	**Amount**
Printing & document support		$2,900.00
Vehicle lease - passenger	3	$22,320.00
Communications - mobile phones & pagers		$8,640.00
Total Services		**$33,860.00**
Supplies	**Quantity**	**Amount**
Office		$2,400.00
Total Supplies		**$2,400.00**
Other	**Quantity**	**Amount**
PE/PI/PS	0	$83,799.00
Total Other		**$83,799.00**
Total Budget		**$177,287.33**

Budget Detail

2026 - Central Florida

Initiative - Metropolitan Bureau of Investigation — Investigation

Award Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE (HID26000440)

Resource Recipient - SEMINOLE COUNTY SHERIFF'S OFFICE

Awarded Budget (as approved by ONDCP)		*$899,640.00*
Overtime	**Quantity**	**Amount**
Investigative - Law Enforcement Officer	4	$48,000.00
Total Overtime		**$48,000.00**
Total Budget		**$48,000.00**

EXHIBIT D
INVOICE TEMPLATE

Central Florida HIDTA
Quarterly Agency Invoice

Agency Name: _____ Invoice Date: _____

Agency Address: _____ Quarter Ending: _____

_____ Agent Name: _____

Email Address: _____

Description	**Amount**
Overtime Reimbursement	_____
Fuel Reimbursement	_____
Vehicle Allowance	_____
Total	_____

Required Documentation

Overtime	Log of HIDTA hours worked Copy of payroll detail showing hours paid and hourly rate Copy of check stub showing overtime payment of HIDTA hours Documentation of overtime cycle if different than pay period
Fuel	Copy of each fuel receipt Proof of payment (check or credit card statement)
Vehicle Allowance	Maximum of $620 per month

Please submit this invoice and all backup documentation to the Task Force Supervisor by the 15th day of the month following the end of the quarter.

Task Force Supervisor Approval _____

Date _____

City of Apopka
CITY COMMISSION STAFF REPORT

Section: CONSENT (Action Item)
Item #: 7.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Authorization for the Mayor to Execute Three Temporary Right-of-Entry and Hold Harmless Agreements Related to the SR 429/Binion Road Half Interchange Project

ACTION ITEM INFORMATION:
Owner(s): APK Commerce, LLC; APK Corner, LLC; APK Development Opportunity, LLC (or the exact ownership names from the executed ROEs if they differ)
Location: The Ridge Planned Development (PD), Binion Road / SR 429 Interchange Area
Project: SR 429/Binion Road Half Interchange Project – Temporary Right of Entry Agreements
Project Manager: Jean Sanchez, Senior Planner

REQUEST:
Authorize the Mayor to execute three Temporary Right of Entry and Hold Harmless Agreements between the City of Apopka and the property owners of parcels within The Ridge Planned Development (PD) to facilitate construction of the SR 429/Binion Road Half Interchange Project by the Central Florida Expressway Authority (CFX).

SUMMARY:
The Central Florida Expressway Authority (CFX) is advancing the SR 429/Binion Road Half Interchange Project, which will provide a northbound entrance ramp and southbound exit ramp connecting Binion Road to State Road 429. To support construction of the interchange improvements, CFX requires temporary access to three privately owned parcels within The Ridge Planned Development (PD). The property owners of the affected parcels have executed Temporary Right-of-Entry and Hold Harmless Agreements granting CFX access for the construction activities identified in the agreements. The agreements are limited in scope and duration and do not convey any permanent property rights or easements. Under the Interlocal Agreement between the City of Apopka and CFX, the City agreed to assist CFX in obtaining the rights of entry needed for the project. Approval of this item will authorize the Mayor to execute the three agreements on behalf of the City and allow CFX to continue advancing the project.

Based on the latest information provided by CFX, advertisement of the Design-Build procurement is tentatively anticipated between in August or September 2026. The procurement schedule is currently being refined following the appointment of CFX's new Procurement Director. The Design-Build contract is anticipated to be presented to the CFX Governing Board for award in February 2027. Following award, the project will move through final design, permitting, utility coordination, and construction, with completion currently anticipated during the third or fourth quarter of 2029.

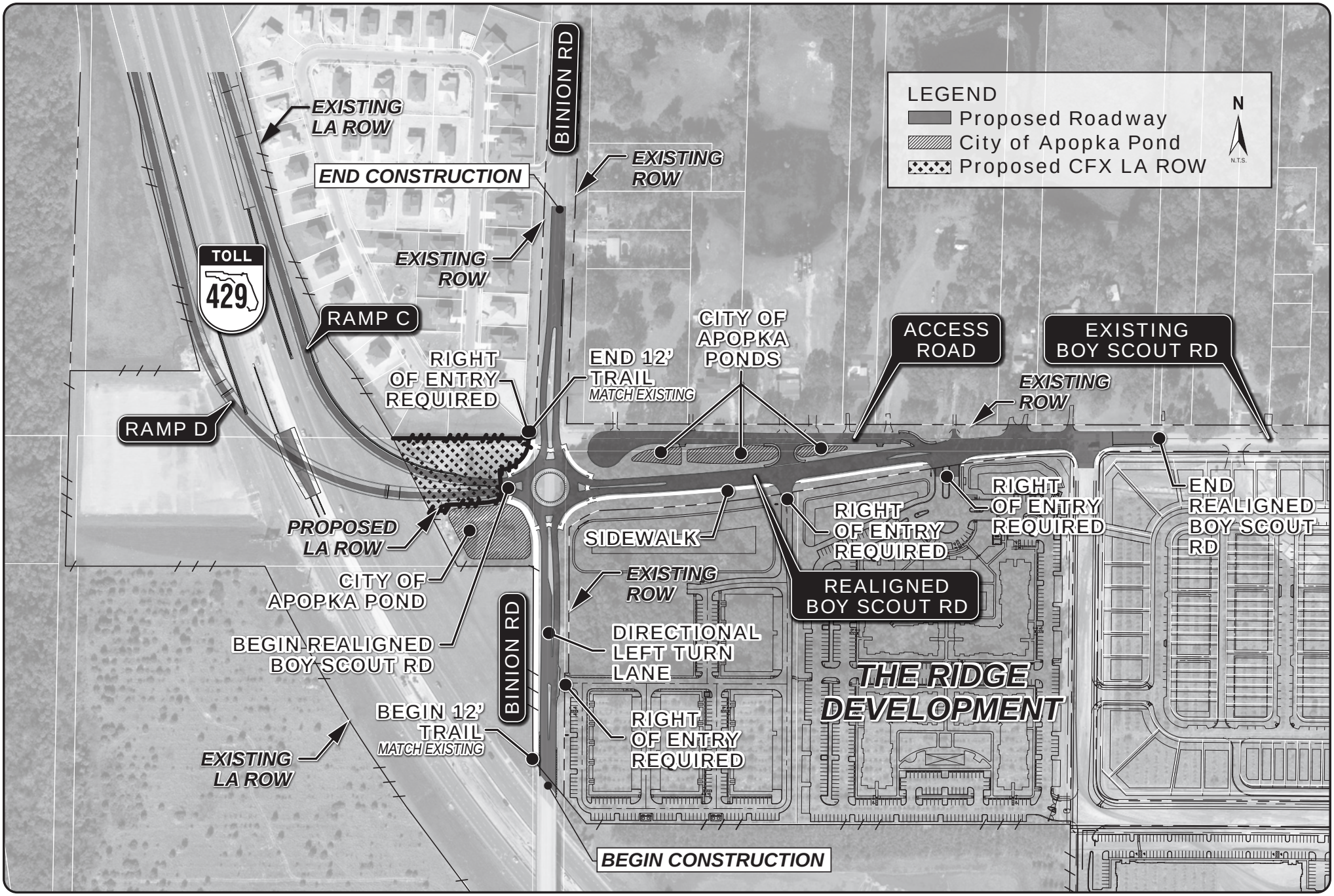
FUNDING SOURCE:
N/A

RECOMMENDED MOTION:

Move to authorize the Mayor to execute the three Temporary Right of Entry and Hold Harmless Agreements associated with the SR 429/Binion Road Half Interchange Project.

ATTACHMENTS:

1. Binion Road & SR 429 Half Interchange Exhibit
2. Staff Report For ILA CC Meeting 11.05.2025
3. CFX Agenda Item No. 20 ILA SR 429 Binion Rd. APK Agreement
4. ROE Easement - CFX APK Commerce Owner Signed
5. ROE Easement - CFX APK Corner Owner Signed
6. ROE Easement - CFX APK Dev Opp Owner Signed



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Exhibit A - SR 429 Binion Road Interchange

City of Apopka
CITY COUNCIL STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 1.
Meeting Date: November 5, 2025
Department: Community Development

SUBJECT:
Interlocal Agreement with the Central Florida Expressway Authority (CFX) – Binion Road/SR 429 Half Interchange

ACTION ITEM INFORMATION:
The City of Apopka and the Central Florida Expressway Authority (CFX) have worked collaboratively to bring forward a new half interchange at Binion Road and State Road 429, providing a northbound on-ramp and southbound off-ramp.

REQUEST:
Approve the Interlocal Agreement between the City of Apopka and the Central Florida Expressway Authority for the Binion Road and SR 429 Half Interchange Project, and authorize the Mayor to execute the agreement and any related documents.

SUMMARY:
The City of Apopka and the Central Florida Expressway Authority (CFX) have worked collaboratively for several years to bring forward a new half interchange at Binion Road and State Road 429. The interchange will provide a northbound on-ramp and southbound off-ramp, improving access to southwest Apopka and supporting growth in this area.

This project was first brought before the City Council in December 2021, when Pam Richmond presented a request for the City to support an interchange connection at Binion Road and SR 429. Since then, CFX initiated a Project Development and Environment (PD&E) study in 2022, and in April 2025, CFX held a public meeting to share design concepts, traffic analyses, and environmental findings. Throughout this period, staff has coordinated with CFX to align local access needs with regional expressway planning.

In parallel, the City also processed related actions, including an October 2024 interlocal agreement with Orange County to transfer a portion of Binion Road right-of-way to Apopka, ensuring local control over the roadway improvements tied to the interchange project.

Key Terms of Agreement:

- CFX Responsibilities: CFX will design, fund, permit, and build the interchange and associated improvements. This includes realignment of Boy Scout Road, installation of a roundabout, a frontage road, sidewalks, and a trail. After completion, CFX will own and maintain all interchange facilities within their right-of-way.
- City Responsibilities: The City will transfer limited-access right-of-way to CFX, review project plans for compliance with City roadway standards, and, after completion, own and maintain improvements in the City’s right-of-way (Binion Road, sidewalks, and trail).

- Costs: CFX will cover all project costs through design, construction, and long-term interchange maintenance. The City's financial role is limited to maintaining its own local improvements once constructed.

The project represents a significant transportation improvement for Apopka, provides direct benefits to residents and businesses, and advances a longstanding Council priority initially presented by staff in 2021. Approval of this agreement secures CFX's role in fully funding and delivering the interchange, while clearly defining the City's responsibilities for local roadway maintenance.

FUNDING SOURCE:

The project construction is fully funded by CFX.

RECOMMENDED MOTION:

Approve the Interlocal Agreement between the City of Apopka and the Central Florida Expressway Authority for the Binion Road and SR 429 Half Interchange Project, and authorize the Mayor to execute the agreement and any related documents.

ATTACHMENTS:

1. APK CFX ILA - Binion Road & SR 429 Agreement
2. Binion Road & SR 429 Half Interchang Exhibit

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Agenda Item 20

ILA – SR 429 Binion Rd

SR 429 BINION ROAD INTERCHANGE
INTERLOCAL AGREEMENT

THIS BINION ROAD INTERCHANGE INTERLOCAL AGREEMENT (this "Agreement") is made and entered into as of this 11th day of December, 2025 by and between Central Florida Expressway Authority, an agency of the state, existing under Chapter 348, Part II, F.S. ("CFX") and the City of Apopka, a municipal corporation of the State of Florida (the "City") (each a "Party" and collectively, the "Parties").

RECITALS

WHEREAS, CFX is authorized by Chapter 348, Florida Statutes, to construct, reconstruct, improve, extend, repair, maintain and operate its expressway system, together with approaches, streets, roads, bridges, and avenues of access for such system (collectively, "Expressway System") and to enter into contracts and other agreements with municipalities for the purpose of carrying out such powers; and

WHEREAS, the City desires to more directly connect State Road 429 with southwest Apopka through the addition of a half interchange (northbound entrance and southbound exit ramp) connecting Binion Road to State Road 429; and

WHEREAS, in August 2022, CFX began a Project Development and Environment (PD&E) Study for the addition of the half interchange; and

WHEREAS, the PD&E Study shows certain requirements and CFX agrees to perform additional work beyond what is required in the PD&E as follows: (1) the addition of the half interchange, which requires the realignment of the existing Boy Scout Road to stay within the right-of-way that currently exists; (2) the design and construction of a sidewalk along the south side of the re-aligned Boy Scout Road; (3) the design and construction of a frontage road as shown as Access Road on Exhibit "A" for the existing property owners along the existing Boy Scout Road applicable only to driveways that can safely be connected to the frontage road (the remaining driveways to be connected directly to the re-aligned Boy Scout Road); (4) the installation of a roundabout at the intersection of the re-aligned Boy Scout Road and Binion Road; (5) the design, construction and reconfiguration of Binion Road within the existing Binion Road right-of-way without encroachment on CFX right-of-way, and; (6) the design and construction of a trail along the west side of Binion Road within the existing Binion Road right-of-way without encroachment on CFX right-of-way, as more particularly described in Exhibit "A" attached hereto and incorporated herein by this reference (the "Project"); and

WHEREAS, Re-aligned Boy Scout Road, existing Boy Scout Road, Access Road, and Binion Road are local roads owned by the City, all to continue to be maintained by the City; and

WHEREAS, the properties/driveways along Access Road will maintain the address of Boy Scout Road when construction is completed; and

WHEREAS, the City agrees to transfer the defined areas of limited access right of way presently owned by the City as shown in Exhibit "A"; and

WHEREAS, all improvements within the City's right of way will be maintained by the City and all improvements within the Limited Access right of way will be maintained by CFX; and

WHEREAS, CFX desires to enter an agreement with the City setting forth the terms and conditions governing the design, permitting, funding, construction, operation, and maintenance of the Project; and

WHEREAS, CFX wishes to assume all responsibility for the implementation of the Project, including, the funding, planning, design, acquisition of permits, development of construction plans, construction, construction management and construction inspection of the Project; and

WHEREAS, the City is willing under the terms and conditions of this Agreement to authorize CFX to implement the Project within the City Property as described in Exhibit "A"; and

WHEREAS, CFX will solicit the services of a design consultant and construction contractor for the Project and has included this project in its five-year work program; and

WHEREAS, in the event CFX issues revenue bonds, whether on system-wide basis or specific to the Project, the City acknowledges that toll revenues generated by the users of the Project as part of CFX's expressway system may be pledged to secure any such revenue bonds issued by CFX.

NOW THEREFORE, in consideration of the mutual promises, covenants, and agreements contained herein and other valuable consideration, receipt of which is hereby acknowledged, the Parties mutually undertake, promise, and agree for themselves, their successors, and assigns as follows:

SECTION 1. RECITALS. CFX and the City acknowledge and agree the foregoing recitals are true and correct and by reference incorporated and made a part of this Agreement.

SECTION 2. AUTHORIZATION. The City authorizes CFX to manage and direct the construction, operation, and funding of the Project within the City Property in accordance with the terms and conditions of this Agreement. Prior to completion of the design of the Project, the City shall cooperate and work in good faith to negotiate any necessary right of entry over, upon, and across private development (third parties) for the construction of the Project improvements in accordance with the terms and conditions hereof. Upon completion and acceptance of the Project by CFX as set forth herein, the improvements to the City Property shall be owned and maintained by the City. Upon completion and acceptance of the Project by CFX as set forth herein, the Project within the limited access area shall otherwise be owned, operated, maintained and repaired by CFX. Neither the granting of permission to use the City Property nor the placing of the Project upon the City Property shall operate to convey any ownership of or otherwise create or vest any property right to or in the City Property in CFX other than the specific right of way for the limited access improvements deeded to CFX from the City and use rights granted to CFX pursuant to this

Agreement and any subsequent easement or agreement. The City acknowledges that it does not have any ownership or interest in the Project and this Agreement does not create or vest any property right to or in the Project to the City.

SECTION 3. CONDITION OF THE CITY PROPERTY. CFX acknowledges that the City is making no representations regarding the suitability of the City Property for the Project, and CFX will utilize the City Property "as-is" without any expenditure or action by the City to alter or improve the City Property or remedy any condition thereon. CFX has inspected the City Property to the extent desired by CFX for the use contemplated by this Agreement and CFX is satisfied with the physical condition of the City Property with respect to such use. It is understood and agreed that all understandings and discussions of the Parties concerning the City Property are merged into this Agreement and that this Agreement is entered into after full investigation of the City Property by CFX for the use contemplated by this Agreement, with neither party relying upon any statements or representations of the other not embodied in this Agreement. CFX acknowledges that the City has afforded and has agreed to continue to afford it the opportunity of a full and complete investigation, examination, and inspection of the City Property for the use contemplated by this Agreement and all matters and items related or connected to the City Property. There are no expressed or implied warranties given by the City to CFX in connection with the City Property except as otherwise expressly set forth in this Agreement. CFX EXPRESSLY RELEASES THE CITY FROM ANY LIABILITY, WARRANTY, OR OBLIGATION TO CFX RELATING TO THE CONDITION OF THE CITY PROPERTY FOR THE USE CONTEMPLATED BY THIS AGREEMENT, SPECIFICALLY INCLUDING: LATENT AND PATENT CONDITIONS; PERMITTING; SUBSOIL CONDITIONS; STORMWATER DRAINAGE CONDITIONS; THE EXISTENCE OR CONDITION OF ANY UTILITIES; AND ANY AND ALL OTHER MATTERS RELATING TO THE PHYSICAL CONDITION OF THE CITY PROPERTY FOR THE USE CONTEMPLATED BY THIS AGREEMENT. THE PROVISIONS OF THIS SECTION 3 SHALL SURVIVE THE EXPIRATION OR EARLIER TERMINATION OF THIS AGREEMENT.

SECTION 4. PROJECT COSTS. CFX shall pay all costs associated with implementing the Project, including all costs of planning, permitting, design, construction, construction inspection and construction management. CFX shall pay all costs associated with the operation, maintenance, repair, and renewal of the interchange located within existing and proposed limited access right-of-way. The City shall pay all costs associated with the operation, maintenance, repair, and renewal of the City Property. CFX shall not cause or permit any liens or encumbrances to attach to any portion of City Property. CFX shall, at its expense, retain a consulting engineering firm prequalified by the CFX to provide Construction Engineering and Inspection ("CEI") services (as defined in Chapter 337, Florida Statutes) for all improvements constructed on the City Property by CFX or its contractor. All Project design and construction files shall be made readily available to the City upon their request. Prior to commencing physical construction on the Project within the City Property, CFX (or its contractor) shall obtain a payment and performance bond in an amount not less than the cost of construction of the Project, written by a surety authorized to do business in the State of Florida, with the City as an obligee thereunder. Said bond shall be in a form which is acceptable to the City. The bond shall remain in effect until completion of construction of the City Property improvements.

SECTION 5. PUBLIC INVOLVEMENT. The public was involved during the PD&E phase of this process and CFX shall ensure adequate public involvement during the design phase of the Project.

SECTION 6. DESIGN AND CONSTRUCTION STANDARDS. The portions of the Project within the City Property shall be designed and constructed in accordance with the City Roadway Standards. CFX shall not be required to landscape the roundabout. CFX shall submit any construction plans for the portions of the Project within the City Property ("Plans") for review by the City for compliance with the City's design standards prior to any work being commenced on the Project in City Property. Should any changes to the Plans be required during construction of the Project, CFX shall notify the City of the changes and submit the plan changes for City review for compliance with the City's design standards prior to the changes being constructed. During construction of the Project, CFX shall maintain the area of the Project at all times and coordinate any work needs with the City. The design and construction, and CEI of the Project shall only be undertaken by professional consultants and contractors. CFX shall contractually require all contractors and subcontractors to have all required licenses and certifications necessary to work on the Project.

SECTION 7. PERMITTING. All permits, licenses, and other authorizations required for construction of the Project shall be obtained by CFX, at CFX's sole cost and expense, from all federal, state, and local entities having jurisdiction, including, but not limited to, the following, if and as applicable: Federal Highway Administration, United States Army Corps of Engineers, the Florida Department of Environmental Protection, and the St. Johns River Water Management District. The City (at no cost to the City) shall reasonably cooperate with CFX in connection with CFX obtaining all such permits and licenses. All work performed by CFX (or on its behalf) on the City Property shall conform to all applicable federal, state, and local regulations. In connection with obtaining the required Environmental Resource Permit, or other equivalent environmental clearance, CFX shall perform a reevaluation of any existing environmental conditions or otherwise update the PD&E to the extent required or requested by any governmental authority or permitting agency having jurisdiction over the Project. Prior to commencement of construction on the Project, CFX shall provide the City with evidence, satisfactory to the City in its reasonable discretion, that CFX has obtained all required permits and environmental clearances required for construction of the Project.

SECTION 8. CONSTRUCTION ACTIVITIES. All construction of the Project shall be performed in strict accordance with the Plans provided to the City for review and in a good and workmanlike manner at no cost or expense to the City. CFX shall notify the City a minimum of 48 hours before beginning construction within the City Property. CFX shall notify the City if construction is suspended for more than five (5) consecutive working days. Any construction of the Project shall be performed and arranged in a manner which will not unreasonably interfere with the convenient, safe, and continuous use, and maintenance and improvement, of the public highway and streets located on or adjacent to the City Property. CFX shall protect all existing facilities and structures on the City's right-of-way during construction. CFX shall maintain its work in such condition that adequate drainage will exist at all times. The construction of the Project shall not temporarily or permanently cause a material adverse effect to existing functioning storm sewers, gutters, ditches, and other run-off facilities. Any fire hydrants on or adjacent to the City's

right-of-way shall be accessible at all times, and no material or obstruction shall be placed within fifteen (15) feet of any such fire hydrant. Heavy equipment shall not be operated close enough to pipe headwalls or other structures to cause damage or displacement. The City may, but shall not be required to, perform its own independent testing and inspection during the course of the Project. If the City determines a condition exists which fails to meet City standards or threatens the public's safety, the City may, in its discretion, cause construction operations to cease and immediately have any improvements that fail to meet City standards or potential hazards removed from its right-of-way at the sole cost, expense, and effort of CFX.

SECTION 9. UTILITIES. CFX shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations are accurately documented on the construction plans. All utility conflicts shall be fully resolved by CFX directly with the applicable utility, at no cost or expense to the City, provided that no resolution shall impose any new or different obligations on the City or vary the terms of any permit or other authorization under which a utility occupies any part of the City Property. Any relocation of a utility to a new location within City owned right-of-way shall be coordinated with the City to avoid creating conflicts with future City projects. To the extent the City determines appropriate and feasible without any cost to the City, the City will request, or authorize CFX to request on the City's behalf, relocation of utilities where the permit or other authorization to occupy the City Property provides for relocation of the utility at the cost of the utility. Nothing in this section shall be construed as requiring the City to pay any costs associated with relocation of or damage to any utilities on the City Property or otherwise in connection with the Project.

SECTION 10. ENVIRONMENTAL POLLUTION. Execution of this Agreement constitutes a certification by CFX that the Project will be constructed, operated and maintained in conformance with all applicable environmental laws and regulations including those relating to:

A. the manufacture, processing, use, distribution, existence, treatment, storage, disposal, generation, and transportation of hazardous substances and pollutants;

B. air, soil, surface and subsurface strata. stream sediments, surface water, and groundwater;

C. releases of hazardous substances and pollutants;

D. protection of wildlife, endangered, and threatened species and species of special concern, wetlands, water courses and water bodies, historical, archeological, and paleontological resources, and natural resources;

E. health and safety of employees and other persons with respect to hazardous substances;

F. notification, documentation, and record keeping requirements relating to the foregoing; and

G. the securing of any applicable permits.

CFX will be responsible for any liability in the event of CFX's non-compliance with applicable environmental laws or regulations, including the securing of any applicable permits in connection with the construction of the Project and/or maintenance of the Project, taking appropriate action to contain, mitigate and promptly remediate any release of a hazardous material or substance on City Property by CFX, its contractors or any third party using the Project for highway purposes, and for any liability that results from CFX's (or any of its contractors') failure to exercise due care and take reasonable precautions with respect to any hazardous material or substance or pollution existing on the City Property in connection with the construction of the Project, taking into consideration the characteristics of such hazardous material or substance or pollution, in light of all relevant facts and circumstances, and will reimburse the City for any loss incurred by the City in connection therewith. If before, during, or because of construction of the Project remediation of any hazardous material or substance or pollution existing on the City Property before or during the commencement of construction of the Project is required by law, CFX shall timely perform, or cause to be performed, such remediation work as is required, at CFX's sole expense. The provisions of this Section 8 shall survive the expiration or earlier termination of this Agreement.

SECTION 11. PUBLIC SAFETY. CFX is responsible for ensuring the safety of the public during all phases of Project construction and maintenance. CFX and its contractors shall request the authority from the City to take any appropriate action to restrict or prohibit travel on any City owned road when required to protect the traveling public. CFX shall follow City procedures for any closure of a City owned road. Notwithstanding anything to the contrary in any City or other governmental procedure, if CFX, or its contractors, become aware of circumstances related to the Project that could present an imminent risk of harm to the travelling public, CFX shall, and shall require its contractors to, immediately take all appropriate steps to protect the public, including requesting immediate closure of any transportation facility.

SECTION 12. COMPLETION AND ACCEPTANCE. Initial construction of the Project shall be completed on or before ten (10) years from the Effective Date of this Agreement. Prior to completion of construction, CFX shall remove all CFX's property, machinery, and equipment that is not a permanent part of the Project from City right-of-way and shall restore those portions of City right-of-way disturbed or otherwise altered by the Project (but not occupied by the Project) to substantially the same or better condition that existed immediately prior to the commencement of the Project. Upon completion of construction, CFX shall certify to the City in writing that construction of the Project has been completed. For all Project work that originally required certification by a professional engineer, this notification shall contain an Engineers Certification of Compliance, signed and sealed by a professional engineer, certifying that all work which originally required certification by a professional engineer has been completed in compliance with the Project construction plans and specifications. If any deviations are found from the approved plans, the certification shall include a list of all deviations and the justification for each deviation. The City will review the as-built plans and Project documentation and perform such additional inspections as it requires to verify completion of the Project in accordance with the requirements of this Agreement and the City shall accept the Project as complete. In the event of and upon notice by the City to CFX that it is has determined that construction was not accomplished in accordance with the terms of this Agreement, CFX shall remedy any deficiency identified by the City and once CFX has remedied such deficiency the City shall accept the Project as complete. Once accepted as

complete by the City, the portions of the Project on City Property shall be maintained and repaired by the City.

SECTION 13. AS-BUILT PLANS. Upon completion of construction of the Project, CFX shall file with the City an as-built set of the digital plans of the Project. CFX's Engineer of Record ("EOR") shall review the as-built set. With the as-built set of plans, the EOR shall submit a final set of design computations. The EOR shall also submit the as-built drawings to the City in CADD files, using a format and layering system reasonably acceptable to the City.

SECTION 14. COMPLIANCE WITH LAWS. CFX shall perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the City, the St. John's Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard and local governmental entities.

SECTION 15. JURY TRIAL WAIVER. CFX AND THE CITY EACH HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING ARISING OUT OF ANY MATTER PERTAINING OR RELATING TO THIS AGREEMENT AND FOR ANY COUNTERCLAIM THEREIN. The provisions of this Section shall survive the expiration or earlier termination of this Agreement.

SECTION 16. INDEMNIFICATION.

a. **Third Party Claims**: Subject to the terms and conditions of this section and to the extent permitted by law, CFX shall defend, indemnify, save and hold harmless the City and all of its officers, agents and employees, from any and all third-party claims resulting in actual losses, damages, costs, claims, demands, suits, judgments, fines, penalties, and reasonable attorneys' fees (including appellate and regulatory attorney's fees) of any kind or nature, to the extent arising out of any act, error, omission, or negligence by or through CFX or its employees, agents, contractors, or subcontractors, made in connection with the Project (a "Claim" and collectively "Claims"); provided, however, that CFX will not be liable under this subsection (a) for any Claim to the extent arising out of the sole negligence, intentional or wrongful acts of the City, or any of the City's officers, agents, or employees. For Claims covered by this subsection (a), CFX shall provide counsel reasonably acceptable to the City and pay all reasonable attorneys' fees and other litigation costs incurred to fulfill CFX's defense and indemnification obligations under this subsection (a).

Subject to the terms and conditions of this section and to the extent permitted by law, City shall defend, indemnify, save and hold harmless the CFX and all of its officers, board members, agents and employees, from any and all third-party claims resulting in actual losses, damages, costs, claims, demands, suits, judgments, fines, penalties, and reasonable attorney' fees (including appellate and regulatory attorney's fees) of any kind or nature, to the extent arising out of any act, error, omission, or negligence by or through City or its employees, agents, contractors, or

subcontractors, made in connection with the Project (a "Claim" and collectively "Claims"); provided, however, that City will not be liable under this subsection (a) for any Claim to the extent arising out of the sole negligence, intentional or wrongful acts of the CFX, or any of the CFX's officers, agents, or employees. For Claims covered by this subsection (a), City shall provide counsel reasonably acceptable to the CFX and pay all reasonable attorneys' fees and other litigation costs incurred to fulfill City's defense and indemnification obligations under this subsection (a).

Within thirty (30) days after receiving written notice of a Claim covered by this subsection (a), the party receiving the claim shall send written notice to the other party setting forth a statement of known facts pertaining thereto. Each party shall promptly send to the other a copy of any summons, suit, or subpoena served upon or received any of its agents, employees, or representatives, which asserts a claim or cause of action based upon any act, error, omission, or negligence of its employees, agents, contractors, or subcontractors in connection with the Project. A party's failure to promptly notify the other party of a Claim will not act as or constitute a waiver of any rights of the City under this Agreement, except to the extent that the party is prejudiced of such failure. Notwithstanding the foregoing, or anything to the contrary in this Agreement, in no event shall the requirements of this subsection (a) be construed to provide an independent legal basis to hold CFX or the City liable to any other person or entity for any damages, whether direct, indirect, punitive, special or consequential damages (including, but not limited to, loss of profits, interest, earnings or use) and whether arising in contract, tort or otherwise. Nothing in this subsection (a) shall be construed as a waiver or attempted waiver by the City or CFX of sovereign immunity in tort under the Constitution and the laws of the State of Florida for the benefit of any third party. However, the indemnification provided in this subsection (a) specifically includes and extends to claimed losses or damages by third parties, in inverse condemnation or otherwise, brought against the City by owners of property in the vicinity of the City Property by virtue of the existence of this Agreement or the Project ("Inverse Condemnation Claims"). Inverse Condemnation Claims shall be solely the responsibility of CFX and the City shall not be deemed responsible for any portion of such Claims by virtue of having entered into or acting under this Agreement, including, but not limited to, by approving any activities of CFX pursuant to this Agreement.

b. **Damage to City Facilities**. CFX shall also indemnify and hold harmless the City from any other actual losses or damages of any kind or nature to any other City owned facility or property, to the extent arising out of any act, error, omission, or negligence by or through CFX or its employees, agents, contractors, or subcontractors, made in connection with CFX's design, permitting, construction, operation or maintenance of the Project; provided, however, that CFX will not be liable under this subsection (b) for any losses or damages to the extent arising out of the sole negligence, intentional or wrongful act of the City, or any of the City's officers, agents, or employees.

c. **Mandatory Clause**. CFX agrees to include the following indemnification clause in all contracts entered into after the date of this Agreement with contractors, subcontractors, consultants, or subconsultants who perform work in connection with this Agreement (modified to appropriately identify the parties): "CFX's contractor/consultant shall indemnify and hold harmless CFX and the City of Apopka, including the City's officers and employees, from

liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the contractor/consultant and persons employed or utilized by the contractor/consultant in the performance of this agreement. This indemnification shall survive the termination of this agreement."

d. **Survival**. This section shall remain in full force and effect in accordance with its terms and shall not be terminated by any breach (fundamental, negligent or otherwise) by any Party of its representations, warranties or covenants hereunder or by the expiration, termination, or rescission of this Agreement by any Party.

e. **Third Parties**. The provisions of this Section are solely with respect to CFX and the City. No third party shall have the right to seek indemnification from CFX pursuant to this Section, and by entering into this Agreement, CFX expressly reserves its rights with respect to sovereign immunity to the extent applicable to any third-party claims.

SECTION 17. INSURANCE. CFX will, at all times, include the Project in the insurance program required by the CFX's Master Bond Resolution or any supplemental resolution, as amended from time to time, but always including multi-risk insurance on the Project that are of an insurable nature covering direct physical damage to the Project in amounts which CFX's general engineering consultant certifies as sufficient to repair, restore, and replace the Project. CFX covenants and agrees that the proceeds of any insurance policies paid to CFX in connection with damage to the Project shall be used solely to repair, restore, and replace the Project and the City Property. CFX will, at all times, require its contractors performing work on the Project during construction and the Project upon completion and acceptance of the Project to carry commercial general liability insurance against loss or liability in connection with bodily injury, personal injury, death, or property damage or destruction occurring on or about the City Property to the extent caused by the contractor's construction, operation, or maintenance of the Project and include the City as an additional insured under such insurance.

SECTION 18. CONDITIONS PRECEDENT. The Parties shall incur no obligations under this Agreement until ("Conditions Precedent"):

a. CFX has received an opinion of its bond counsel satisfactory to it in its sole discretion that this Agreement does not violate the terms of any resolution or indenture of CFX pursuant to which revenue bonds of CFX have been issued.

b. CFX has determined the funds are readily available for the design, permitting, construction, operation, and maintenance of the Project. The maintenance of the City property is limited to the time frame of the construction only. Upon completion of the Project the City will maintain the improvements within the City.

CFX will notify the City of the satisfaction of such conditions. In the event any of the Conditions Precedent are not satisfied, or otherwise waived by CFX, on or prior to ten (10) years from the Effective Date of this Agreement, either of the Parties hereto may elect to terminate this Agreement by providing written notice to the other Party. Notwithstanding the foregoing, the City understands and acknowledges that CFX is relying on and expending funds on the City's representations in this

Agreement that the City Property will be available for use for the Project, and as such, this Agreement shall remain in effect for fifteen (15) years from the Effective Date unless otherwise terminated by CFX. Upon satisfaction of all Conditions Precedent and thereafter, this Agreement may only be terminated by the mutual agreement of the Parties.

SECTION 19. E-VERIFY. CFX:

a. shall utilize the U.S. City of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by CFX during the term of this Agreement; and

b. shall expressly require any contractors and subcontractors performing work or providing services pursuant to this Agreement to likewise utilize the U.S. City of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor or subcontractor during the term of this Agreement.

SECTION 20. PUBLIC RECORDS. CFX shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by CFX in conjunction with this Agreement. Specifically, CFX shall:

a. Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the services being performed by CFX.

b. Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

d. Meet all requirements for retaining public records and transfer, at no cost, to the City copies of all public records regarding the Project in possession of CFX.

All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City. Failure by CFX to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the City. CFX shall promptly provide the City with a copy of any request to inspect or copy public records in possession of CFX and shall promptly provide the City a copy of CFX's response to each such request. The provisions of this Section shall survive the expiration or earlier termination of this Agreement.

SECTION 21. MISCELLANEOUS.

a. CFX acknowledges that it has reviewed this Agreement, is familiar with its terms, and has had an adequate opportunity to review this Agreement with legal counsel of CFX's choosing. CFX has entered this Agreement freely and voluntarily. The City acknowledges that it has reviewed this Agreement, is familiar with its terms, and has had an adequate opportunity to

review this Agreement with legal counsel of the City's choosing. The City has entered this Agreement freely and voluntarily. This Agreement contains the complete understanding of the Parties with respect to the subject matter of this Agreement. All prior understandings and agreements, oral or written, made between the Parties are merged in this Agreement, which alone, fully and completely expresses the agreement between the City and CFX with respect to the terms of this Agreement. No modification, waiver, or amendment of this Agreement or any of its conditions or provisions shall be binding upon the City or CFX unless in writing and signed by both Parties.

b. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquished in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.

c. CFX may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the City Manager, which may be withheld at his or her sole discretion.

d. Except as specifically provided herein, nothing in this Agreement or in any documents executed pursuant to the terms of this Agreement shall be construed as a waiver or attempted waiver by the City of its sovereign immunity in tort under the Constitution and laws of the State of Florida and to the extent that the legality or enforcement of any of the provisions of this Agreement would be dependent upon a waiver of sovereign immunity, those provisions shall be deemed to be severed from this Agreement and the Agreement shall remain in full force and effect.

e. This Agreement shall not be deemed to be a binding commitment of funds in violation of Section 339.135(6)(a), Florida Statutes.

f. This Agreement is governed by the laws of the State of Florida, and any applicable laws of the United States of America. Venue for any action arising under this Agreement shall be in Orange County, Florida.

g. If any term or provision of this Agreement is found to be invalid, illegal, or unenforceable, the remainder of this Agreement will remain in full force and effect. The City and CFX shall endeavor in good-faith negotiations to replace the invalid, illegal, or unenforceable provision with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal, or unenforceable provision.

h. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations or remedies upon any other person or entity except as expressly provided for herein.

i. The parties acknowledge that the definition of the Project as set forth herein is solely for the purposes of this Agreement and that CFX may include the Project within the scope

of a larger capital improvement project that incorporates improvements within CFX's right-of-way.

j. The headings used herein are for convenience of reference only and shall not constitute a part hereof or affect the construction or interpretation hereof.

k. CFX agrees and warrants that in the performance of this Agreement, it will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by the laws of the United States or the State of Florida applicable to CFX.

l. This Agreement shall not create any third-party beneficiary under this Agreement, nor shall this Agreement authorize anyone not a party to this Agreement to maintain a suit against the City or CFX pursuant to the terms of this Agreement. CFX's bondholders shall not be entitled to make or assert any claim or suit against the City under this Agreement.

m. All Exhibits attached to this Agreement are incorporated in this Agreement.

n. All notices, demands, or other writing required to be given, made, or sent, or which may be given, made, or sent, by either party to the other, shall be deemed to have been fully given, made, or sent when made in writing and either personally delivered by hand, overnight courier, or deposited in the United States mail, registered certified and postage prepaid, and sent to the following:

To the City

City of Apopka
Attn: City Administrator
120 E Main Street
Apopka, FL 32703

To CFX

Central Florida Expressway Authority
Attn: Executive Director
4974 ORL Tower Road,
Orlando, FL 32807

With a copy to:
Central Florida Expressway Authority
Attn: General Counsel
4974 ORL Tower Road,
Orlando, FL 32807

o. This Agreement may be executed in two or more counterparts and duplicate originals which have been signed and delivered by each of the Parties (a party may execute a copy of this Agreement and deliver it by electronic mail transmission; provided, however, that any such party shall promptly deliver an original signed copy of this Agreement).

p. Notwithstanding any other provision of this Agreement, nothing in this Agreement shall be construed to be a covenant by the City for the benefit of, or enforceable by, CFX's bondholders.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature.

Signed, sealed, and delivered
in the presence of:

Print Name: Nadine Orella

Print Name: Lisa Lumbard

ATTEST:

Regla ("Mimi") Lamaute
Manager of Board Services

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

By: _____
Christopher Maier, Chairman

Date: December 11, 2025

Approved as to form and legality by legal counsel to the Central Florida Expressway Authority on this 20 day of November, 2025 for its exclusive use and reliance.

By: _____
Counsel

4867-4454-2921 v.6

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature.

City of Apopka

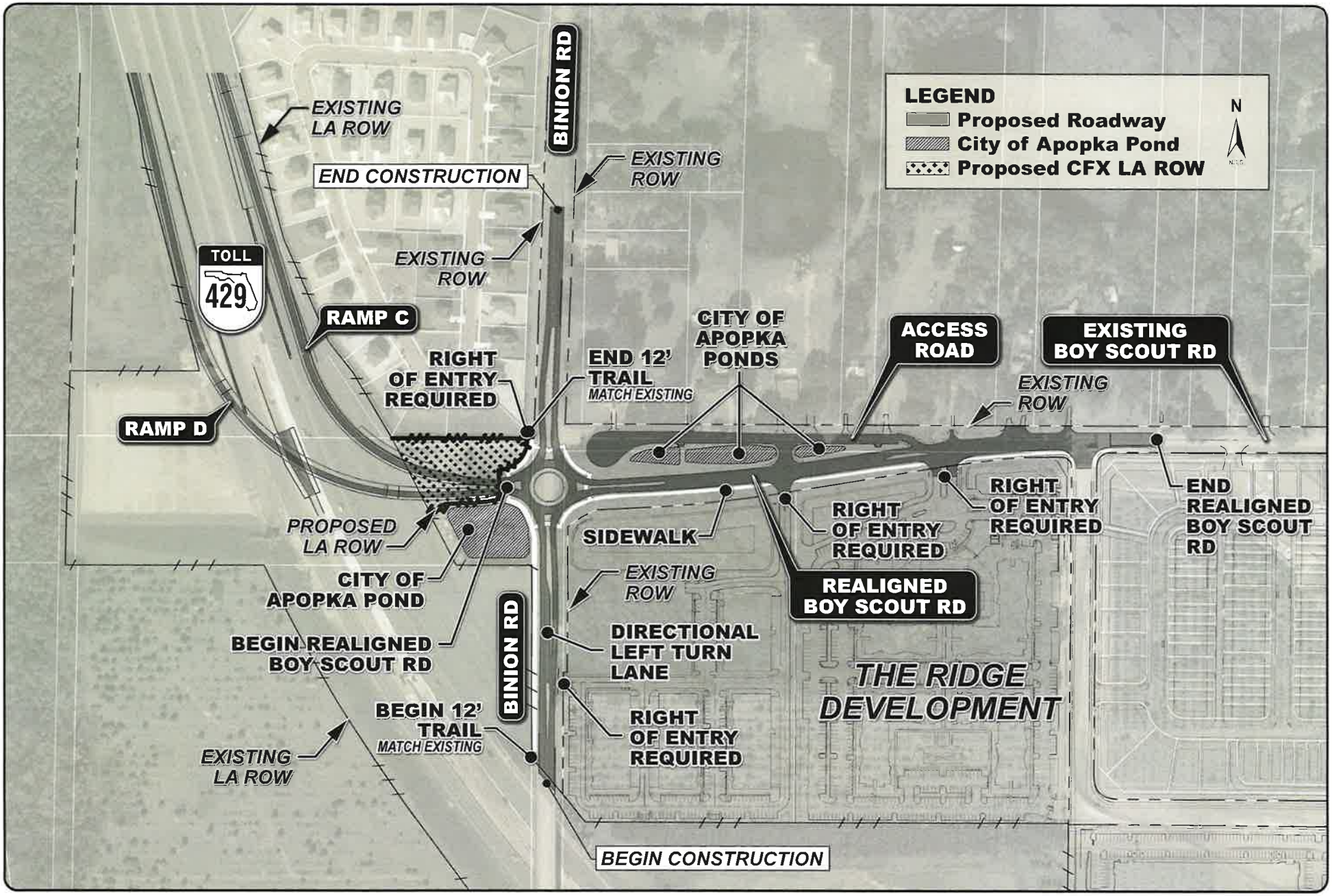
By: Bryan Nelson

Bryan Nelson, its Mayor

Date: 11-10-25

ATTEST: Rosa M Bone

4867-4454-2921 v.6



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Exhibit A - SR 429 Binion Road Interchange

TEMPORARY RIGHT OF ENTRY
AND HOLD HARMLESS

Mailing Address:
Ridge Commerce Center, LLC
1500 Cordova Road, Suite 203
Ft. Lauderdale, Florida 33016

Property Owners and Addresses:
Ridge Commerce Center, LLC
1227 S. Binion Road
Apopka, Florida 32703
Parcel ID Number of Subject Property 17-21-28-7345-01-000

Property description attached hereto as **Exhibit "A" "B" and "C" Right of Entry with the Ridge**

This Temporary Right of Entry and Hold Harmless sets forth the understanding that the above referenced Property Owner hereby grants the City of Apopka for itself and on behalf of Central Florida Expressway Authority, as well as their employees, agents, contractors, sub-contractors and the like, a non-exclusive, temporary authorization to access and right of entry, over and on the highlights only on each Exhibit, for the following:

1. This Right of Entry is granted for the sole and limited purpose of:
    a) properly matching the road grade at the right-of-way line of Boy Scout Road and Binion Road to the Property;
    b) providing drainage connections to existing or proposed stormwater infrastructure, including but not limited to storm sewer connections, swales, inlets, and related appurtenances necessary to ensure proper drainage and avoid adverse impacts; and
    c) installing, adjusting, or updating roadway signing and pavement markings as necessary to reflect the approved roadway geometrics and final design configuration.

2. This Right of Entry is non-exclusive and shall commence as of the date of acceptance by the City of Apopka, as set forth below, and shall expire upon the date Central Florida Expressway Authority ceases to use the Property for the purposes outlined herein, or one hundred eighty (180) days after the acceptance hereof by the City of Apopka, whichever occurs first.

The Property Owner understands that the City of Apopka and/or Central Florida Expressway Authority or their employees, agents, contractors, sub-contractors and the like, will traverse the Property for the purpose of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property, as needed, and as deemed necessary and appropriate in the sole discretion of the City of Apopka and/or Central Florida Expressway Authority.

Further, the Property Owner acknowledges that, if necessary, the process of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property may involve the use of motorized vehicles and other heavy equipment and tools.

The Property Owner understands and agrees that this Right of Entry does not create an obligation

upon the City of Apopka or Central Florida Expressway Authority or the elected or appointed officials, employees, agents, contractors, subcontractors, or the like, of either to perform maintenance activities on the Property following completion of the work contemplated hereunder.

In consideration of the work performed pursuant to this Right of Entry, the Property Owner hereby agrees to hold harmless the City of Apopka and Central Florida Expressway Authority, and any and all of its elected and appointed officials, employees, agents, contractors, subcontractors and the like, for any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein unless caused by the negligence of such employees, agents, contractors or subcontractors, and the Property Owner does hereby release, discharge, and waive any action, either legal or equitable, that may arise by reason of, or be associated with any action of the City of Apopka and Central Florida Expressway Authority and/or any of its elected or appointed officials, employees, agencies, agents, contractors, subcontractors and the like, related to the activities on or adjacent to the Property unless based upon the alleged negligence of such employees, agents, contractors or subcontractors.

The City of Apopka and Central Florida Expressway Authority shall repair any damage caused to the Property by its employees, agents, contractors or subcontractors and shall hold harmless the Property Owner from any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein which are caused by the negligence of such employees, agents, contractors or subcontractors.

The Property Owner has voluntarily provided this Temporary Right of Entry and hereby authorizes City of Apopka and Central Florida Expressway Authority employees, agents, contractors, subcontractors and the like, to access the Property for the purposes set forth herein. The Property Owner hereby certifies that it has the legal authority to grant this Temporary Right of Entry and Hold Harmless to the City of Apopka for itself and on behalf of Central Florida Expressway Authority for the purposes set forth herein this 29 day of June, 2026.

WITNESSES:

Print: Bonnie Buchan

Address: 1500 Cordova Rd, #203
Ft. Lauderdale, FL 33316

Print: Claudia Alvarez

Address: 1500 Cordova Rd #202
Ft. Lauderdale, FL 33316

RIDGE COMMERCE CENTER, LLC

By: _____

Print: Brad Perry

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [ ] online notarization of Craig Perry, who is personally known to me or who produced _____ as identification, and who did/did not take an oath this 29 day of June, 2026.

(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

_____
Notary Public

WITNESSES: **RIDGE COMMERCE CENTER, LLC**

_____
Print: Bonnie Buchan

By: _____
Print: Craig Perry

Address: 1500 Cordova, #203
Ft. Lauderdale, FL 33316

_____
Print: Claudia Alvarez

Address: 1500 Cordova Rd #202
Ft Lauderdale, FL 33316

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [ ] online notarization Craig Perry, who is personally known to me or who produced _____ as identification, and who did/did not take an oath this 29 day of June, 2026.

(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

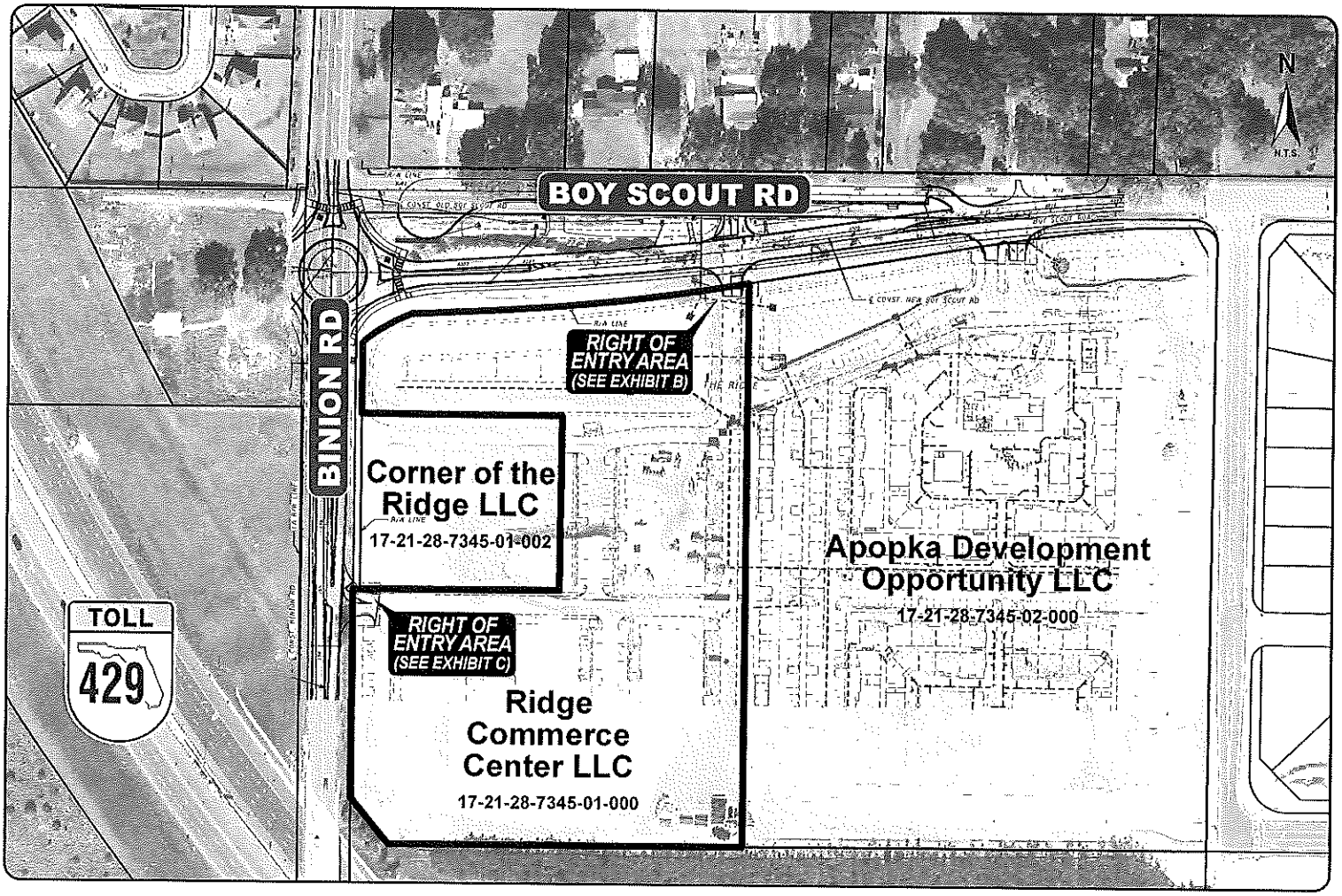
_____
Notary Public

THIS TEMPORARY RIGHT OF ENTRY is hereby accepted, on the date set forth below, for public use by the City of Apopka for itself and on behalf of Central Florida Expressway Authority.

CITY OF APOPKA

_____
Print: _____
Title: _____

Dated: _____

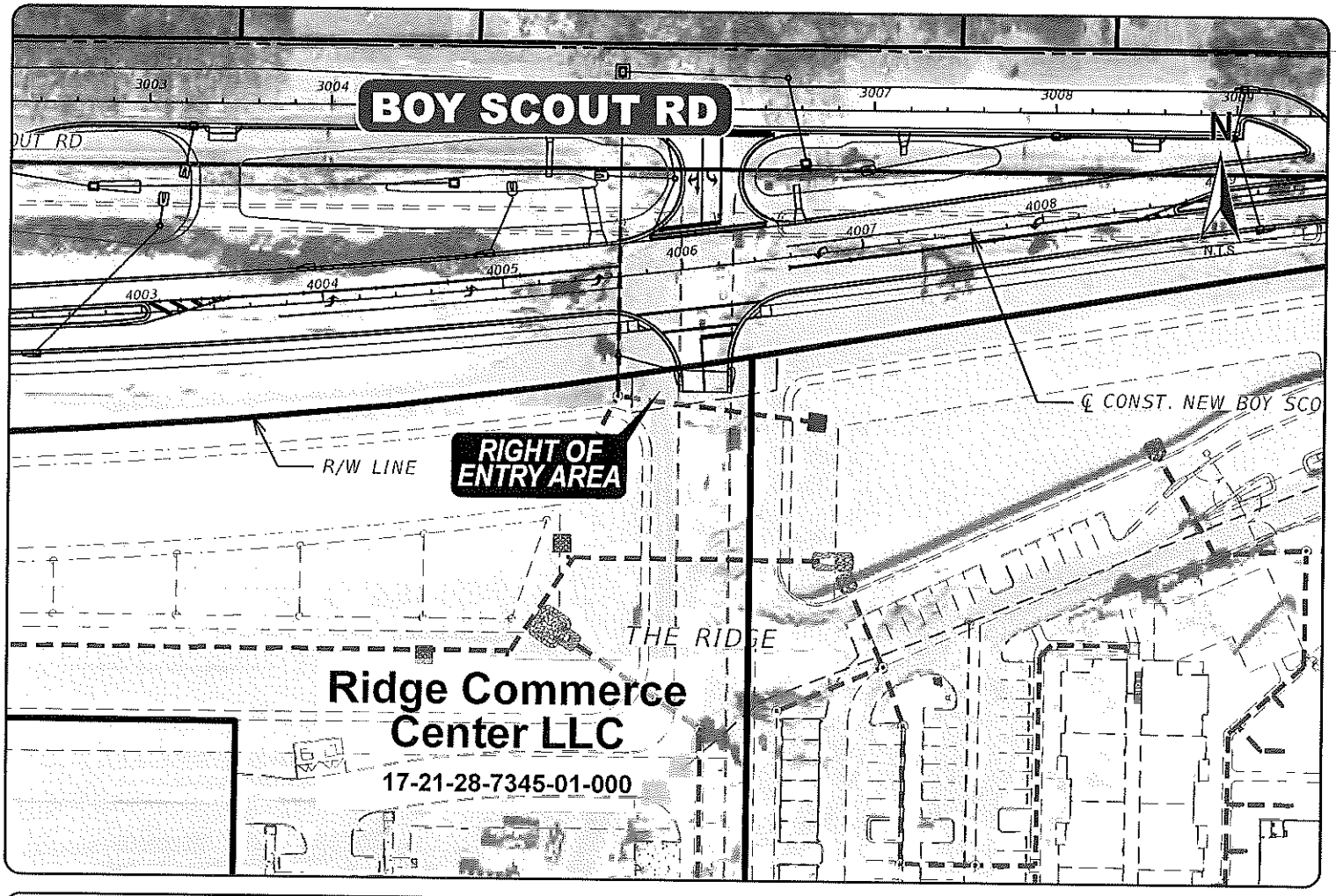


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Ridge Commerce Center LLC Right of Entry Areas

Parcel ID: 17-21-28-7345-01-000

Exhibit A

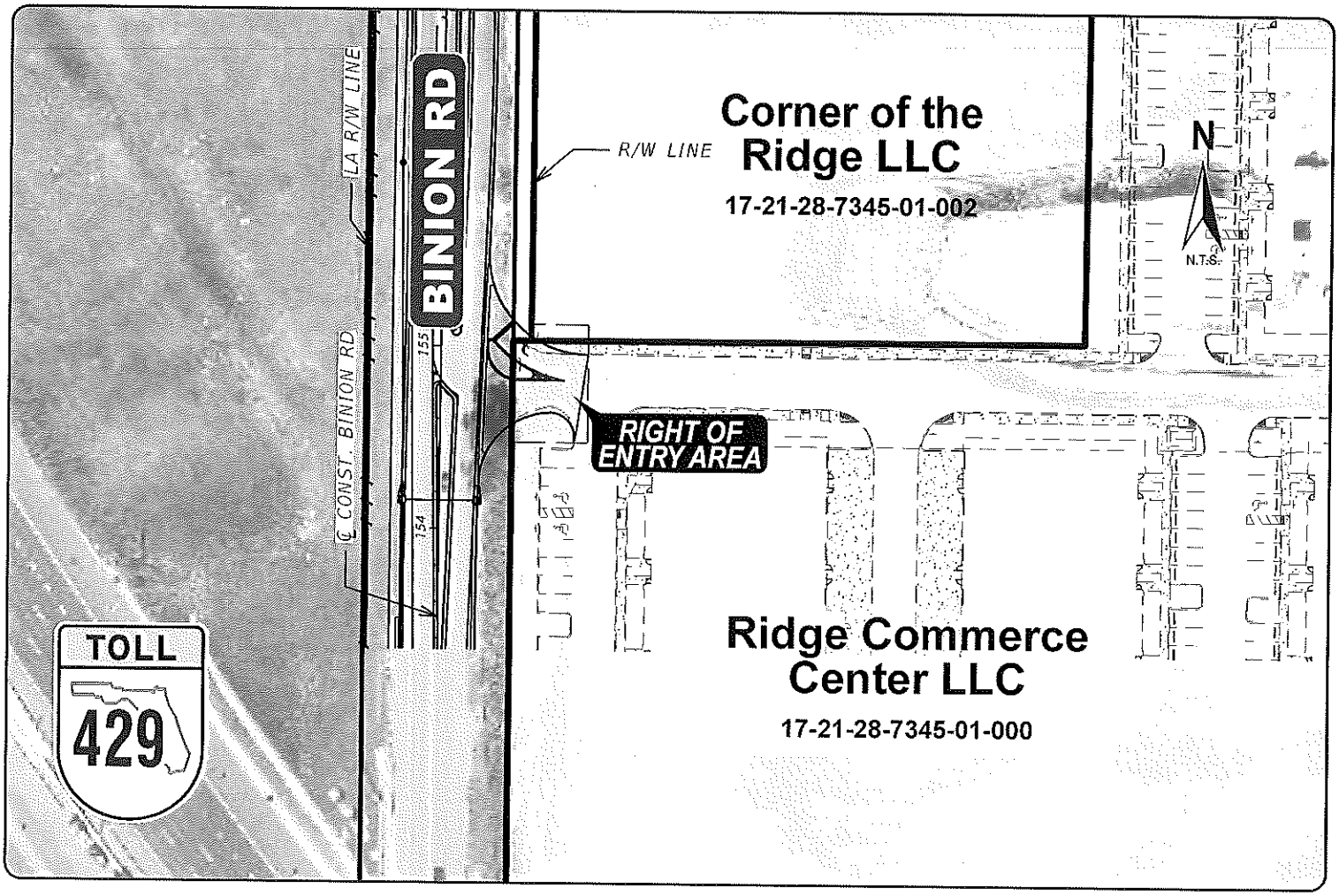


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Ridge Commerce Center LLC Right of Entry Areas

Parcel ID: 17-21-28-7345-01-000

Exhibit B



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Ridge Commerce Center LLC Right of Entry Areas

Parcel ID: 17-21-28-7345-01-000

Exhibit C

TEMPORARY RIGHT OF ENTRY
AND HOLD HARMLESS

Mailing Address:
Corner of the Ridge, LLC
1500 Cordova Road, Suite 203
Ft. Lauderdale, Florida 33016

Property Owners and Addresses:
Corner of the Ridge, LLC
S. Binion Road
Apopka, Florida 32703
Parcel ID Number of Subject Property 17-21-28-7345-01-002

Property description attached hereto as **Exhibit "A" and "B" Right of Entry with the Ridge**

This Temporary Right of Entry and Hold Harmless sets forth the understanding that the above referenced Property Owner hereby grants the City of Apopka for itself and on behalf of Central Florida Expressway Authority, as well as their employees, agents, contractors, sub-contractors and the like, a non-exclusive, temporary authorization to access and right of entry, over and on the highlights only on each Exhibit, for the following:

1. This Right of Entry is granted for the sole and limited purpose of:
    a) properly matching the road grade at the right-of-way line of Boy Scout Road and Binion Road to the Property;
    b) providing drainage connections to existing or proposed stormwater infrastructure, including but not limited to storm sewer connections, swales, inlets, and related appurtenances necessary to ensure proper drainage and avoid adverse impacts; and
    c) installing, adjusting, or updating roadway signing and pavement markings as necessary to reflect the approved roadway geometrics and final design configuration.

2. This Right of Entry is non-exclusive and shall commence as of the date of acceptance by the City of Apopka, as set forth below, and shall expire upon the date Central Florida Expressway Authority ceases to use the Property for the purposes outlined herein, or one hundred eighty (180) days after the acceptance hereof by the City of Apopka, whichever occurs first.

The Property Owner understands that the City of Apopka and/or Central Florida Expressway Authority or their employees, agents, contractors, sub-contractors and the like, will traverse the Property for the purpose of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property, as needed, and as deemed necessary and appropriate in the sole discretion of the City of Apopka and/or Central Florida Expressway Authority.

Further, the Property Owner acknowledges that, if necessary, the process of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property may involve the use of motorized vehicles and other heavy equipment and tools.

The Property Owner understands and agrees that this Right of Entry does not create an obligation

upon the City of Apopka or Central Florida Expressway Authority or the elected or appointed officials, employees, agents, contractors, subcontractors, or the like, of either to perform maintenance activities on the Property following completion of the work contemplated hereunder.

In consideration of the work performed pursuant to this Right of Entry, the Property Owner hereby agrees to hold harmless the City of Apopka and Central Florida Expressway Authority, and any and all of its elected and appointed officials, employees, agents, contractors, subcontractors and the like, for any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein unless caused by the negligence of such employees, agents, contractors or subcontractors, and the Property Owner does hereby release, discharge, and waive any action, either legal or equitable, that may arise by reason of, or be associated with any action of the City of Apopka and Central Florida Expressway Authority and/or any of its elected or appointed officials, employees, agencies, agents, contractors, subcontractors and the like, related to the activities on or adjacent to the Property unless based upon the alleged negligence of such employees, agents, contractors or subcontractors.

The City of Apopka and Central Florida Expressway Authority shall repair any damage caused to the Property by its employees, agents, contractors or subcontractors and shall hold harmless the Property Owner from any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein which are caused by the negligence of such employees, agents, contractors or subcontractors.

The Property Owner has voluntarily provided this Temporary Right of Entry and hereby authorizes City of Apopka and Central Florida Expressway Authority employees, agents, contractors, subcontractors and the like, to access the Property for the purposes set forth herein. The Property Owner hereby certifies that it has the legal authority to grant this Temporary Right of Entry and Temporary Right of Entry and Hold Harmless to the City of Apopka for itself and on behalf of Central Florida Expressway Authority for the purposes set forth herein this 29 day of June, 2026.

WITNESSES:

Print: Bonnie Buchan

Address: 1500 Cordova, #203
Ft Lauderdale, FL 33316

Print: Claudia Alvarez

Address: 1500 Cordova #202
Ft Lauderdale, FL 33316

CORNER OF THE RIDGE, LLC

By: _____

Print: _____

STATE OF FLORIDA
COUNTY OF Broward.

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [ ] online notarization of Craig Perry, who is personally known to me or who produced _____ as identification, and who did/did not take an oath this 29 day of June, 2026.

(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

Notary Public

WITNESSES:

CORNER OF THE RIDGE, LLC

Print: Bonnie Buchan

By: _____

Print: Craig Perry

Address: 1500 Cordova, #203 Ft. Lauderdale, FL 33316

Print: Claudia Alvarez

Address: 1500 Cordova #202 Ft. Lauderdale, FL 33316

STATE OF FLORIDA
COUNTY OF Broward

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(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

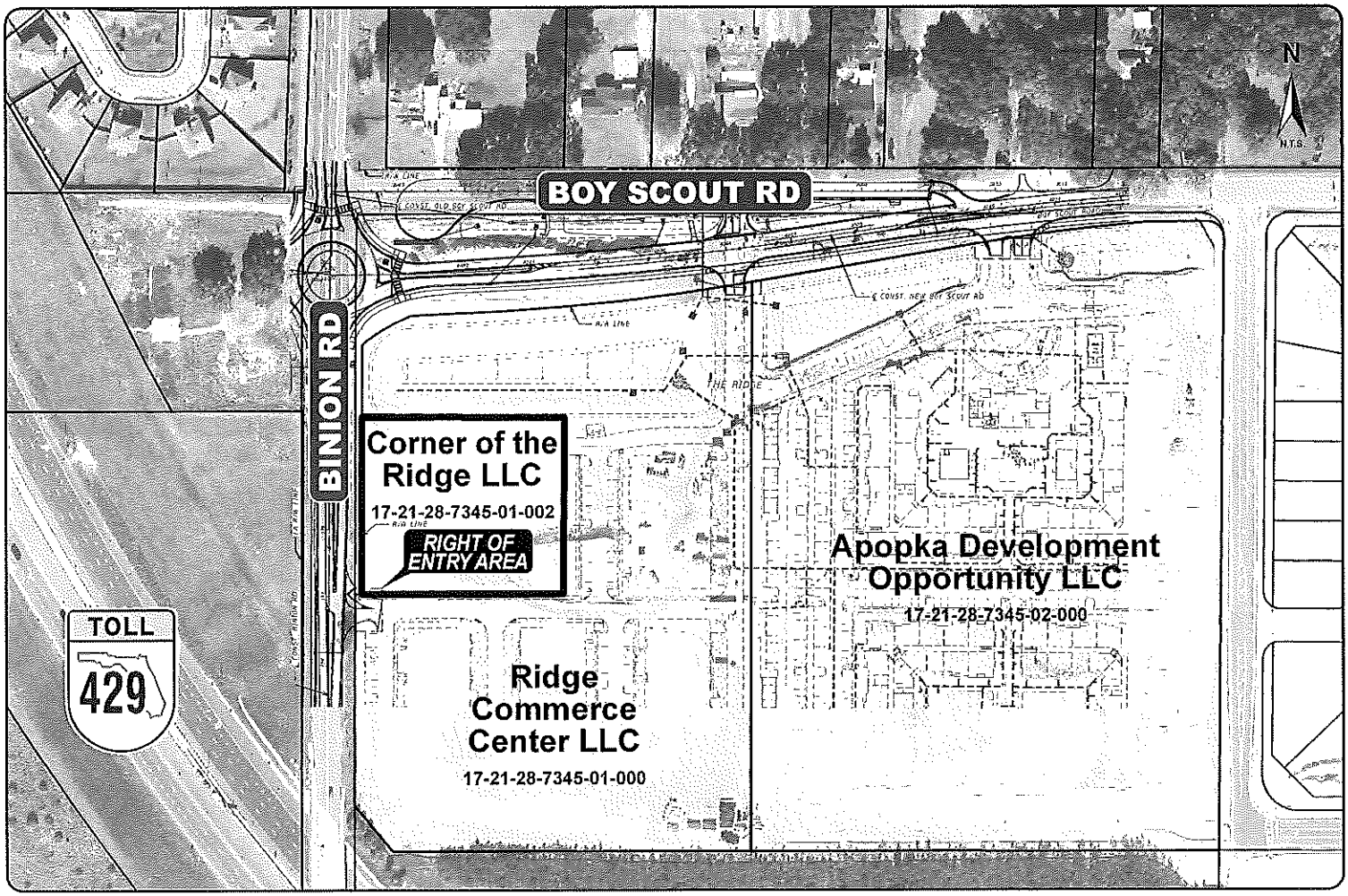
Notary Public

THIS TEMPORARY RIGHT OF ENTRY is hereby accepted, on the date set forth below, for public use by the City of Apopka for itself and on behalf of Central Florida Expressway Authority.

CITY OF APOPKA

Print: _____

Title: _____
Dated: _____

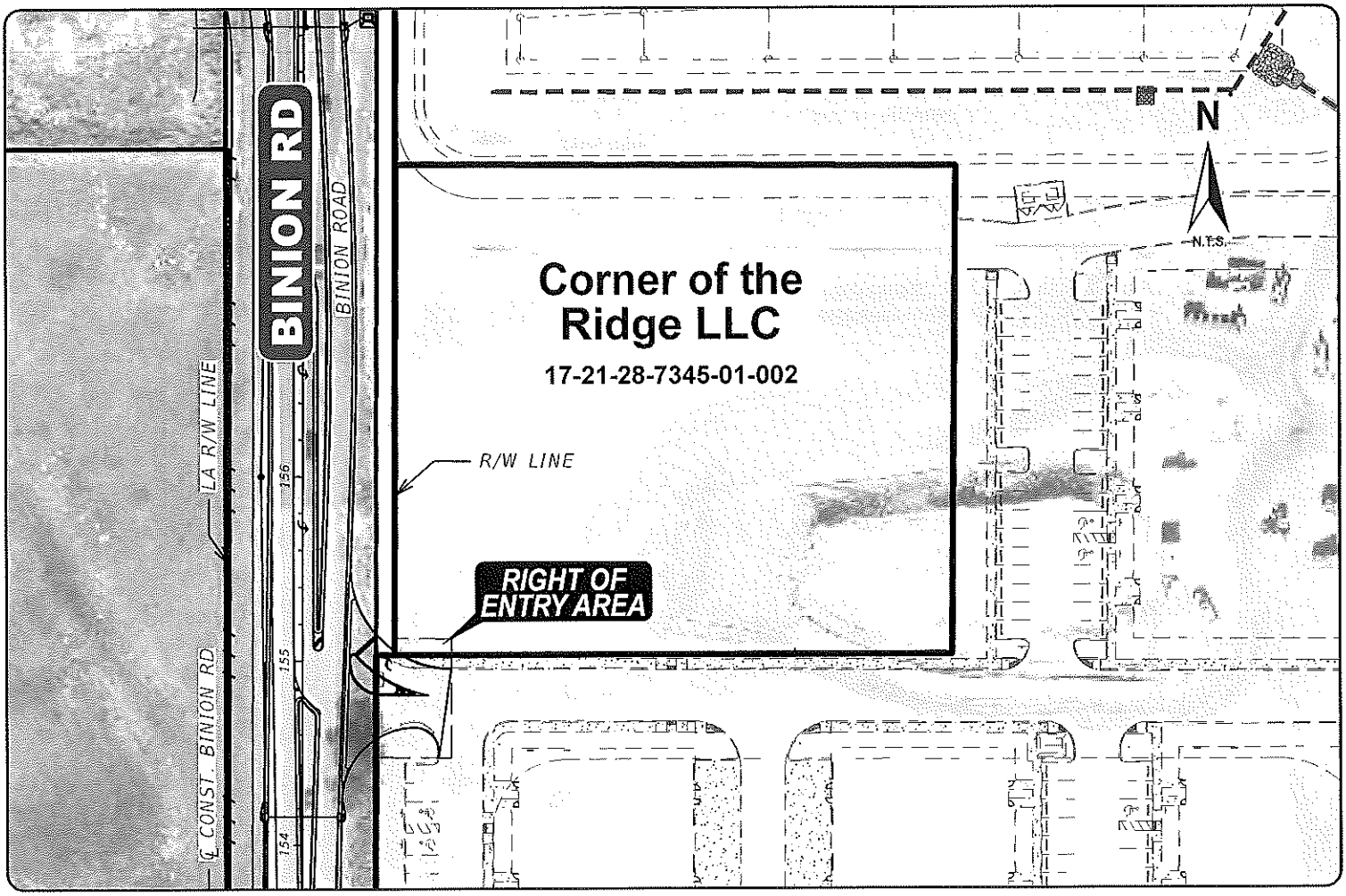


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Corner of the Ridge LLC Right of Entry Area

Parcel ID: 17-21-28-7345-01-002

Exhibit A



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Corner of the Ridge LLC Right of Entry Area

Parcel ID: 17-21-28-7345-01-002

Exhibit B

TEMPORARY RIGHT OF ENTRY
AND HOLD HARMLESS

Mailing Address:
Apopka Development Opportunity, LLC
1500 Cordova Road, Suite 203
Ft. Lauderdale, Florida 33016

Property Owners and Addresses:
Apopka Development Opportunity, LLC
2300 The Reserve Circle
Apopka, Florida 32703
Parcel ID Number of Subject Property 17-21-28-7345-02-000

Property description attached hereto as **Exhibit "A" and "B" Right of Entry with the Ridge**

This Temporary Right of Entry and Hold Harmless sets forth the understanding that the above referenced Property Owner hereby grants the City of Apopka for itself and on behalf of Central Florida Expressway Authority, as well as their employees, agents, contractors, sub-contractors and the like, a non-exclusive, temporary authorization to access and right of entry, over and on the highlights only on each Exhibit, for the following:

1. This Right of Entry is granted for the sole and limited purpose of:
    a) properly matching the road grade at the right-of-way line of Boy Scout Road and Binion Road to the Property;
    b) providing drainage connections to existing or proposed stormwater infrastructure, including but not limited to storm sewer connections, swales, inlets, and related appurtenances necessary to ensure proper drainage and avoid adverse impacts; and
    c) installing, adjusting, or updating roadway signing and pavement markings as necessary to reflect the approved roadway geometrics and final design configuration.

2. This Right of Entry is non-exclusive and shall commence as of the date of acceptance by the City of Apopka, as set forth below, and shall expire upon the date Central Florida Expressway Authority ceases to use the Property for the purposes outlined herein, or one hundred eighty (180) days after the acceptance hereof by the City of Apopka, whichever occurs first.

The Property Owner understands that the City of Apopka and/or Central Florida Expressway Authority or their employees, agents, contractors, sub-contractors and the like, will traverse the Property for the purpose of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property, as needed, and as deemed necessary and appropriate in the sole discretion of the City of Apopka and/or Central Florida Expressway Authority.

Further, the Property Owner acknowledges that, if necessary, the process of matching the road grade at the right of way line of Boy Scout Road and Binion Road to the Property may involve the use of motorized vehicles and other heavy equipment and tools.

The Property Owner understands and agrees that this Right of Entry does not create an obligation

upon the City of Apopka or Central Florida Expressway Authority or the elected or appointed officials, employees, agents, contractors, subcontractors, or the like, of either to perform maintenance activities on the Property following completion of the work contemplated hereunder.

In consideration of the work performed pursuant to this Right of Entry, the Property Owner hereby agrees to hold harmless the City of Apopka and Central Florida Expressway Authority, and any and all of its elected and appointed officials, employees, agents, contractors, subcontractors and the like, for any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein unless caused by the negligence of such employees, agents, contractors or subcontractors, and the Property Owner does hereby release, discharge, and waive any action, either legal or equitable, that may arise by reason of, or be associated with any action of the City of Apopka and Central Florida Expressway Authority and/or any of its elected or appointed officials, employees, agencies, agents, contractors, subcontractors and the like, related to the activities on or adjacent to the Property unless based upon the alleged negligence of such employees, agents, contractors or subcontractors.

The City of Apopka and Central Florida Expressway Authority shall repair any damage caused to the Property by its employees, agents, contractors or subcontractors and shall hold harmless the Property Owner from any and all damages of any and all types, either to persons or property that might arise by or be related to the activities set forth herein which are caused by the negligence of such employees, agents, contractors or subcontractors.

The Property Owner has voluntarily provided this Temporary Right of Entry and hereby authorizes City of Apopka and Central Florida Expressway Authority employees, agents, contractors, subcontractors and the like, to access the Property for the purposes set forth herein. The Property Owner hereby certifies that it has the legal authority to grant this Temporary Right of Entry and Temporary Right of Entry and Hold Harmless to the City of Apopka for itself and on behalf of Central Florida Expressway Authority for the purposes set forth herein this 29 day of June, 2026.

WITNESSES:

APOPKA DEVELOPMENT OPPORTUNITY, LLC
~~RIDGE COMMERCE CENTER, LLC~~

By: _____

Print: _____

Print: Bonnie Buchan

Address: 1500 Cordova, #203
Ft. Lauderdale, FL 33316

Print: Claudia Alvarez

Address: 1500 Cordova #202
Ft. Lauderdale, FL 33316

KATHERINE ASENCIO GOMEZ
MY COMMISSION # HH 779970
EXPIRES: June 26, 2030

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [ ] online notarization of Craig Perry, who is personally known to me or who produced _____ as identification, and who did/did not take an oath this 29 day of June, 2026.

(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

Notary Public

WITNESSES:

APOPKA DEVELOPMENT OPPORTUNITY, LLC

Print: Bonnie Buchan

By: _____

Print: Craig Perry

Address: 1500 Cordova, #203
Ft. Lauderdale, FL 33316

Print: Claudia Alvarez

Address: 1500 Cordova # 202
Ft. Lauderdale, FL 33316

STATE OF FLORIDA
COUNTY OF Broward

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(Seal) KATHERINE ASENCIO GOMEZ MY COMMISSION # HH 779970 EXPIRES: June 26, 2030

Notary Public

THIS TEMPORARY RIGHT OF ENTRY is hereby accepted, on the date set forth below, for public use by the City of Apopka for itself and on behalf of Central Florida Expressway Authority.

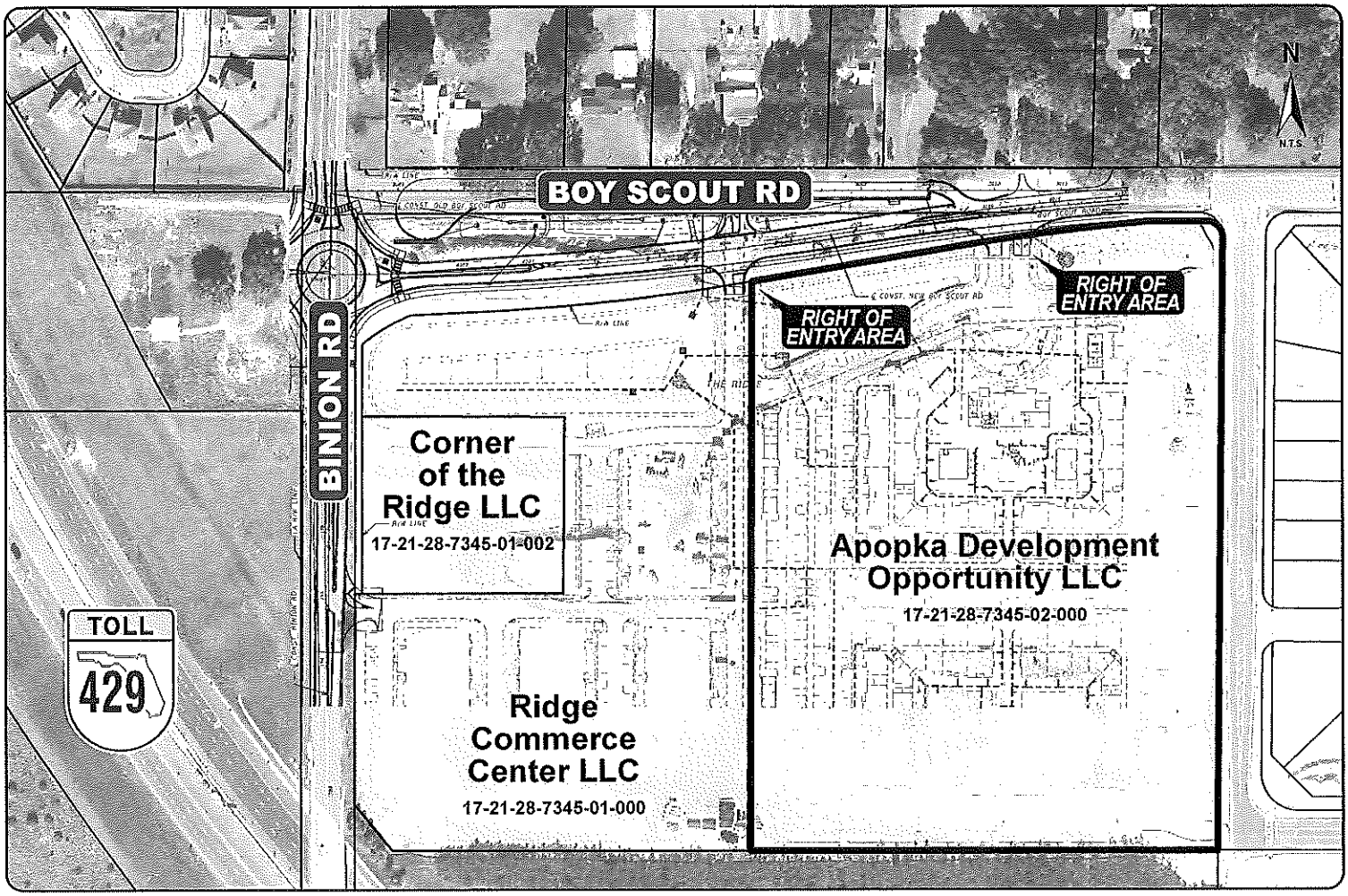
CITY OF APOPKA

_____

Print: _____

Title: _____

Dated: _____

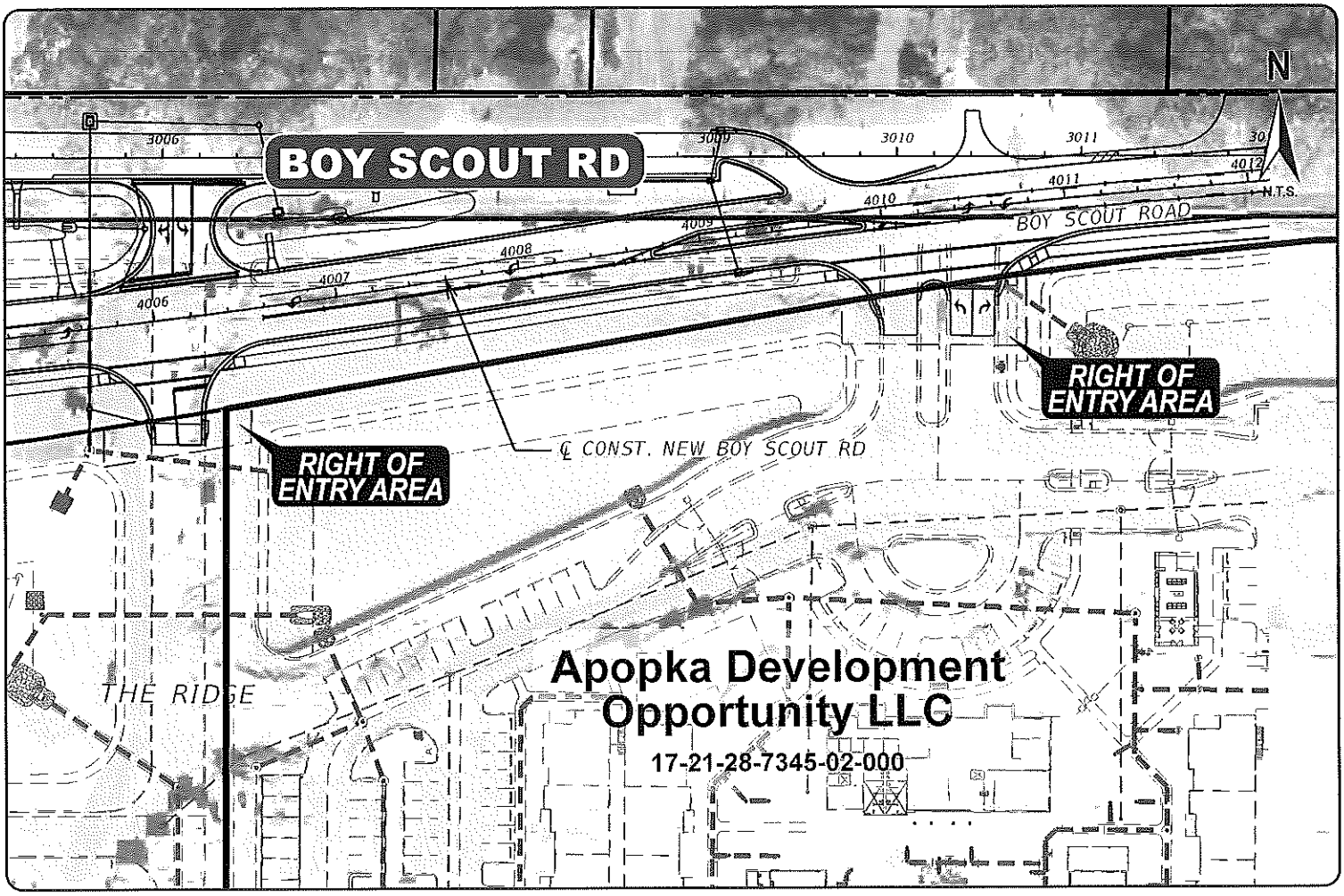


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Apopka Development Opportunity LLC Right of Entry Areas

Parcel ID: 17-21-28-7345-02-000

Exhibit A



CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Apopka Development Opportunity LLC Right of Entry Areas

Parcel ID: 17-21-28-7345-02-000

Exhibit B

City of Apopka
CITY COMMISSION STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 1.
Meeting Date: August 5, 2026
Department: Mayor's Office

SUBJECT:
City Commission Rules and Order of Business

ACTION ITEM INFORMATION:

REQUEST:
Adoption of the City of Apopka City Commission Rules and Order of Business

SUMMARY:
Provided attached to this staff report are the proposed City Commission Rules and Order of Business for review, discussion, and adoption.

FUNDING SOURCE:
n/a

RECOMMENDED MOTION:
Adoption of the City of Apopka's City Commission Rules and Order of Business.

ATTACHMENTS:
1. CITY COMMISSION RULES AND ORDER OF BUSINESS

CITY COMMISSION RULES AND ORDER OF BUSINESS

Regular and Special Meetings.

(1) Regular meetings of the City Commission must be held on the first and third Wednesday of every month at the hour of 1:30 PM and 6:00 PM, respectively, unless scheduled for another day of the week, or hour of the day, or cancelled by a majority vote of the City Commission at a regular meeting. A regular meeting may also be cancelled or rescheduled by the Mayor when necessary by reason of a declared state of emergency or other exigent circumstance, with public notice given as soon as practicable. No notice of a regular meeting is required to be given to any member of the City Commission. This sentence addresses notice to members only and does not affect the public notice required by section 286.011, Florida Statutes.

(2) Special meetings of the City Commission may be called by the Mayor, or, in the Mayor's absence, at the call of the vice-mayor, or at the request of a majority of the City Commission. Notice of a special meeting must be given to each member of the City Commission and to the public at least twenty-four (24) hours in advance of the meeting, except in the case of an emergency, and the business transacted at a special meeting is limited to the subjects stated in the notice.

(3) Regular or special meetings must be held at the City Hall or at such other location in the City as designated by the City Commission.

Agenda.

Any and all reports, presentations, communications, ordinances, resolutions, contract documents or any other matters and materials to be presented to the City Commission, created for the Commission or by a Commission member, at a regular City Commission meeting must be delivered to the City Clerk on or before 4:00 PM on the day that is nine (9) days before the regular meeting of Commission at which such matter is to be submitted unless an exemption has been granted by the Mayor; whereupon, the City Staff will arrange an agenda of the submitted items for approval by the Mayor and once approved furnish a copy of the same to the Commissioners prior to the Commission meeting, when practical, at least seven (7) days in advance of each regular meeting. The agenda and supporting materials must be made available to the public on the City's website at the same time they are furnished to the Commissioners. Any member of the City Commission may cause an item to be placed on the agenda of a regular meeting by submitting it to the City Clerk within the time provided in this section. Agendas for any special meetings called will be provided with as much advance notice as possible, but at a minimum twenty-four (24) hours prior to the special meeting. These timelines do not apply to public comment(s)/presentation(s) by the public. See Resolution 2025-19 for information governing public comment(s)/presentation(s).

Presiding Officer—Designated; Duties.

The presiding officer at all Commission meetings must be the Mayor or, in the Mayor's absence, the vice-mayor, or, in the absence of both, the temporary presiding officer elected as provided in these rules. The presiding officer must:

- preserve strict order and decorum at all regular and special meetings of the Commission;
- state every question coming before the Commission, announce the decision of the Commission on all subjects and decide all questions of order;
- sign all ordinances and resolutions adopted by the Commission and all other documents authorized or approved by the Commission except as otherwise specifically provided.

Calling Commission to Order.

The Mayor, or the vice mayor in the absence of the Mayor, must call the City Commission meeting to order precisely at the hour appointed for the meeting. In the absence of the Mayor and vice mayor, the City Clerk or designee, must call the City Commission to order; whereupon, a temporary presiding officer must be elected by the present members of the City Commission. Upon the arrival of the Mayor or vice mayor, the temporary presiding officer must immediately relinquish the chair upon the conclusion of the business immediately before the City Commission.

Quorum.

A majority of all members elected to the Commission constitutes a quorum at any regular or special meeting of the Commission. If a quorum is not present within fifteen (15) minutes after the hour appointed for the meeting, the City Clerk must record the names of the members present and absent and the meeting stands adjourned, to be rescheduled with public notice as required by law.

Rules of Debate.

(1) *Presiding Officer May Debate and Vote, etc.* The Mayor or such other member of the Commission as may be presiding may move, second and debate from the chair, subject only to such limitations of debate as are by these rules imposed on all members and may not be deprived of any of the rights and privileges of a Commissioner by reason of acting as the presiding officer.

(2) *Getting the Floor; Improper Reference to be Avoided.* Every member desiring to speak must address the presiding officer, and, upon recognition by the presiding officer, must confine himself/herself to the question under debate.

(3) *Interruptions.* A member, once recognized, must not be interrupted when speaking unless it be to call him/her to order, or as herein otherwise provided. If a member, while speaking, be called to order, he/she must cease speaking until the question of order be determined, and, if in order, he/she must be permitted to proceed.

(4) *Motion to Reconsider.* A motion to reconsider any action taken by the Commission may be made only on the date such action was taken. It may be made either immediately during the same session, or at a recessed or adjourned session thereof. Such motion must be made by a member who voted on the prevailing side or, if the action was taken by unanimous vote, by any member; it may be seconded by any member; it has precedence over all other motions but may not be made while another member has the floor; and it is debatable. Nothing in this subsection prevents a member of the Commission from making a new motion on the same or any other subject at a subsequent meeting of the Commission.

Manner of Addressing Commission; Time Limit.

All persons addressing the Commission may be asked to state their name in an audible tone of voice for the record and must limit their address to three (3) minutes, unless such time is enlarged or contracted by majority vote of the City Commission, which change must apply uniformly to all speakers on the matter and be announced before public comment on that matter begins. The Commission will provide a reasonable opportunity to be heard on a proposition before it takes official action, as required by and subject to the exceptions stated in section 286.0114, Florida Statutes. No person, other than a member of the City Commission and the person having the floor, shall be permitted to enter into any discussion, either directly or through a member of the City Commission, without the permission of the presiding officer.

Silence Constitutes Affirmative Vote.

Silence by a member of the Commission during the taking of a vote must be recorded as an affirmative vote, except that a member who is prohibited from voting by reason of a voting conflict must abstain, and the abstention

must be recorded and disclosed as required by sections 286.012 and 112.3143, Florida Statutes. This section does not apply in a quasi-judicial proceeding.

Enforcement of Decorum.

The Chief of Police, or such member or members of the Police Department the Chief of Police may designate, must be Sergeant-at-Arms of the Commission meetings and must carry out all orders and instructions given by the presiding officer for the purpose of maintaining order and decorum at the City Commission meeting.

Any person whose conduct actually prevents or substantially interferes with the orderly conduct of the meeting shall be warned by the presiding officer that the conduct is interfering with the order of the meeting and shall be given the opportunity to cease that conduct. This section must be enforced without regard to the content or viewpoint of any speech.

If the individual fails to cease the offending conduct and continues interrupting the meeting, the individual shall be removed from the meeting room if the sergeant-at-arms is so directed by the presiding officer, and such person shall be barred from further audience for the remainder of the meeting.

In case the presiding officer shall fail to act, any member of the City Commission may move to require the presiding officer to act to enforce the rules, and the affirmative vote of a majority of the City Commission requires the presiding officer to act.

Any person who willfully and maliciously interrupts or disturbs a meeting of the City Commission may be subject to prosecution under section 871.01, Florida Statutes. Nothing in these rules limits, expands, or directs the exercise of any authority of law enforcement officers under general law, and the determination whether probable cause exists to make an arrest rests with the officer.

Special Committees.

All special committees must be appointed by the presiding officer, unless otherwise directed by the City Commission by majority vote.

Ordinances and Resolutions.

(1) *Preparation.* All ordinances and resolutions must be prepared by the City Attorney. No ordinance or resolution may be prepared for presentation to the Commission unless ordered by a majority vote of the City Commission, requested by the Mayor, or as otherwise provided by the City Charter.

(2) *Introducing for Passage or Approval.*

(a) Ordinances, resolutions and other matters or subjects requiring action by the City Commission must be considered in the manner provided by these rules, the City Charter, and general law.

(b) Each ordinance or resolution must be introduced in writing and must embrace but one subject and matters properly connected therewith. The subject must be clearly stated in the title.

No ordinance may be revised or amended by reference to its title only. Ordinances to revise or amend must set out in full the revised or amended act or section or subsection or paragraph of a section or subsection.

(c) Except as otherwise provided, a proposed ordinance must be read by title, or in full, on at least two (2) separate days, and must, at least ten (10) days prior to adoption, be noticed once in the manner required by Florida Statutes. The notice of proposed enactment must state the date, time and place of the meeting, the title or titles of proposed ordinances, and the place or places within the municipality where such proposed ordinances may be inspected by the public. Said notice also must advise that interested parties may appear at the meeting and be heard with respect to the proposed ordinance. An ordinance

that changes the actual list of permitted, conditional, or prohibited uses within a zoning category, or that changes the actual zoning map designation of a parcel or parcels of land, must instead be adopted in accordance with section 166.041(3)(c), Florida Statutes. An ordinance subject to referendum must be adopted in accordance with section 166.041(3)(b), Florida Statutes.

(d) The City Commission, by a two-thirds (⅔) vote, may enact an emergency ordinance without complying with the requirements of paragraph (c) of this subsection. However, no emergency ordinance may be enacted which enacts or amends a land use plan or which rezones private real property.

(3) Any resolution providing for the appropriation of money must designate the particular fund from which the appropriation is to be made.

(4) Nothing in this section may be deemed to prohibit the Commission from consideration or passage of any ordinance of an emergency nature in the manner provided by ordinance or any general or special law of the State of Florida.

Order of Business.

The order of business at each regular meeting of the City Commission is as follows, unless changed by the presiding officer without objection or by majority vote of the members present:

(1) Call to order.

(2) Invocation.

(3) Pledge.

(4) Public Comment Period.

(5) Approval of Minutes.

(6) Agenda Review.

(7) Proclamations, Presentations, and Awards.

(8) Consent (Action Item) - Any member of the City Commission may remove an item from the consent agenda, and an item so removed must be considered separately under Business.

(9) Business (Action Item).

(10) Public Hearings / Ordinances / Resolutions (Action Item).

(11) City Administrator's Report.

(12) City Attorney's Report.

(13) City Commissioner Reports.

(14) Mayor's Report.

(15) Information Items.

(16) Adjournment.

Rules of Procedure; Appeal; Suspension and Amendment.

(1) Questions of procedure not covered by these rules, the City Charter, the City Code, or general law are governed by Robert's Rules of Order, Newly Revised, latest edition, used as a guideline but not binding authority.

(2) These rules are procedural only, and the failure to observe any provision of these rules does not invalidate any action taken by the City Commission.

(3) Any provision of these rules may be suspended as to a particular matter by a majority vote of the members present. These rules may be amended only by a majority vote of all members of the City Commission at a regular meeting.

City of Apopka
CITY COMMISSION STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 2.
Meeting Date: August 5, 2026
Department: City Clerk

SUBJECT:
Designate an official voting delegate for the Florida League of Cities Annual Conference

ACTION ITEM INFORMATION:

REQUEST:
Appointment of a member of the City Commission to act as a voting delegate at the annual conference

SUMMARY:
Each year, the Florida League of Cities (FLC) requests that member-cities designate one (1) member of their City Commission to be a voting delegate at the annual conference. This designation is done by nomination of the City Commission. The selected person will vote on new FLC leadership and resolutions as presented at the conference. The conference this year will take place August 13, 2026, through August 15, 2026. The League's voting delegates will vote on the report of the Resolutions Committee at the required business session taking place on Saturday, August 15, 2026, at 9:00 a.m.

City Commission members designated to act as the official voting delegate for the City during the past four (4) FLC Annual Conferences include the following:

2022 - Commissioner, Diane Velazquez
2023 - (then) Commissioner, Nick Nesta
2024 - Commissioner, Nadia Anderson
2025 - (former) Commissioner, Alexander Smith

FUNDING SOURCE:
001-1020 Administrative Services

RECOMMENDED MOTION:
City Commission to select a voting delegate for the 2026 Florida League of Cities Annual Conference from among its members.

ATTACHMENTS:
None

City of Apopka
CITY COMMISSION STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 3.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Quasi-Judicial - The Ridge Phase 3 - Major Development Plan

ACTION ITEM INFORMATION:
Owner(s): Apopka Centerline Development, LLCApplicant: VHB c/o James R. Hoffman, P.E.
Parcel Number(s): 17-21-28-7345-01-000
Location: Southeast corner of Binion Road and Boy Scout Road
Future Land Use (FLU): Mixed-Use
Zoning: PD (Planned Development)
Existing Use: Vacant
Proposed Use(s): 363 Multi-family units
Tract Size: 13.23 +/- acres
Intensity: 0.2 floor area ratio

REQUEST:
Approve the Ridge Phase 3 — Major Development Plan

SUMMARY:
ZONING REPORT
This chart includes the relationships to adjacent properties.

Direction	Future Land Use	Zoning	Present Use
North	Commercial	PD (Planned Development)	Vacant
East	Industrial	I-L (Light Industrial)	Northwest Industrial Distribution Center
South	Future Land Use - in Progress	T (Transitional)	Vacant
West	Mixed-Use	PD (Planned Development)	The Ridge Stormwater Pond and Amenity (Parcel 8)

PROJECT SUMMARY
The applicant requests approval of a Major Development Plan (MDP) for The Ridge PD – Parcel 3, located within The Ridge Planned Development. The proposed project consists of a multi-family residential community on the western portion of Parcel 3, together with the extension of Bronson Lake Drive. The Ridge PD was established by Ordinance No. 2858 on July 21, 2021, which rezoned the original Ridge property to Planned Development and authorized development consistent with the approved Master Plan and PD Agreement. The PD was subsequently amended by Ordinance No. 2938 on July 27, 2022, which modified the approved PD and expanded the overall development area. As amended, The Ridge remains subject to the approved Master Plan, amended development program, PD Agreement, and applicable provisions of the City's Land Development Code.

Parcel 3 encompasses approximately 30.49 acres and is designated for mixed-use development, including multi-family, commercial/office, and supporting infrastructure uses. Approximately 14.37 acres are allocated for the proposed apartment development. The remainder of Parcel 3 is identified for future commercial/office development and will be reviewed under a separate Major Development Plan. The total development capacity for Parcel 3 shall remain subject to the approved Ridge PD Master Plan and PD development program. The proposed multi-family development includes 363 multi-family dwelling units within 11 apartment buildings, along with a clubhouse/leasing building, pool, internal access drives, parking areas, sidewalks, landscaping, utilities, and related site improvements. The proposed development is consistent with the Ridge PD Master Plan and Ordinance No. 2938 and does not alter the intended land uses or allocated capacities established for Parcel 3.

Transportation and Access:
The Ridge PD is planned with an internal roadway system and multiple access points intended to distribute traffic throughout the development and connect the residential, commercial, office, industrial, open space, and recreation areas. The approved PD Master Plan identifies connections to Boy Scout Road, Ocoee Apopka Road, Binion Road, and internal PD roadways. Bronson Lake Drive was contemplated as a parallel facility to Boy Scout Road and is intended to help accommodate and distribute project traffic within this portion of The Ridge PD.

As part of the Parcel 3 MDP, Bronson Lake Drive will be extended from its previously constructed terminus to Ocoee Apopka Road, creating an important connection among Boy Scout Road, Ocoee Apopka Road, and the larger Ridge PD. The roadway extension is proposed to be publicly dedicated and will serve the proposed multi-family development through associated roadway construction, sidewalks, landscaping, utility coordination, stormwater drainage improvements, internal access drives, parking areas, cross-access, and pedestrian connections to the future commercial/office development on the remainder of Parcel 3, Bronson Lake Drive, and Parcel 8/Community Park.

The larger Ridge PD was evaluated through a Traffic Impact Analysis prepared for the overall mixed-use development. The analysis included the broader Ridge development program, including industrial, single-family, multi-family, office, and retail uses, and evaluated the surrounding roadway network and study intersections, including Ocoee Apopka Road/Boy Scout Road, Binion Road/Boy Scout Road, Boy Scout Road/Galway Boulevard, and project entrances. The TIA provides part of the transportation background for the approved Ridge PD and the roadway network contemplated for the overall development.

The plans identify proposed turn lane improvements along Ocoee Apopka Road. During the Development Review Committee meeting, staff and the applicant specifically discussed that final turn lane requirements would be further evaluated during the Construction Site Plan review. Consistent with that discussion, Note 1 on the Master Site Plan & Site Data sheet states: “Subject to determination of the posted speed limit on Boy Scout Road, a right-turn lane may be required prior to Construction Site Plan (CSP) approval if speed limit equals or exceeds 35 MPH.”

The Boy Scout Road Speed Zone Study recommends reducing the posted speed limit on Boy Scout Road from Binion Road to Ocoee Apopka Road from 45 miles per hour to 35 miles per hour. Accordingly, final roadway design, driveway configuration, turn lane requirements, sidewalk connections, emergency access, parking layout, utility coordination, and other traffic-related improvements will continue to be reviewed through Construction Site Plan approval and other applicable permitting.

Open Space and Amenity
The Ridge PD includes a larger open space, recreation, and pedestrian system intended to serve the overall mixed-use development. The approved PD Master Plan identifies Parcel 8 as the lake/recreation area and central amenity area for the development. The PD also contemplates recreational amenities and pedestrian/bicycle connections throughout the development, including trail improvements along major roadways and internal connections between residential, commercial, and open space areas.

For Parcel 3, the proposed multi-family development includes a clubhouse/leasing building, pool, sidewalks, landscaping, and pedestrian connections that support the residential community and connect the project to surrounding development areas. The plans also identify a pedestrian connection to the future commercial/office portion of Parcel 3 and a pedestrian connection toward Parcel 8, which is identified as the community park area. The community park is shown as being under separate application. Therefore, any improvements associated with Parcel 8 or the larger community park area will be reviewed separately, as applicable. Final details regarding required open space, recreation areas, landscaping, sidewalks, pedestrian connections, and any phase-specific

amenities will continue to be reviewed through Construction Plan approval for consistency with the approved PD Master Plan, PD Agreement, Land Development Code, and applicable City requirements.

Stormwater Management
The project will utilize an existing permitted stormwater management pond constructed as part of The Ridge PD master infrastructure. According to the applicant's project scope, the existing stormwater facility has been designed with sufficient capacity to accommodate runoff from the proposed Parcel 3 development. The Bronson Lake Drive extension will include stormwater drainage infrastructure, and the proposed roadway drainage system will connect into and function as part of the existing Bronson Lake Drive drainage system. The grading, drainage, and utility plans show proposed storm sewer, sanitary sewer, water main, reclaimed water, fire service, fire hydrants, and related utility improvements to serve the development. The plans also identify existing stormwater areas, an existing lake, a preliminary wetland line, previously approved wetland line and wetland buffer, and a potential wetland impact of approximately 0.25 acres. Stormwater, grading, drainage, erosion control, wetland impacts, utility connections, and related infrastructure shall be reviewed in detail during Construction Plan approval. Final engineering plans must demonstrate consistency with the approved PD Master Plan, PD Agreement, City standards, and all applicable local, regional, state, and federal permitting requirements, including any applicable St. Johns River Water Management District requirements.

Environmental Considerations
A Phase I Environmental Site Assessment was prepared for the larger Bronson Apopka Site, which includes lands within The Ridge PD. The assessment did not identify Recognized Environmental Conditions, Controlled Recognized Environmental Conditions, or Historical Recognized Environmental Conditions in connection with the subject property. The assessment did identify non-REC business environmental risk considerations associated with the historical agricultural use of the property and the site's partial location within an ethylene dibromide groundwater contamination setback area.

Any environmental, wetland, groundwater, soil, or related site conditions requiring further review or permitting shall be addressed through Construction Site Plan approval and applicable local, regional, state, and federal permitting requirements.

SCHOOL PLANNING
The project will be served by Wheatley Elementary School, Wolf Lake Middle School, and Wekiva High School. According to the Orange County Public Schools Capacity Encumbrance Letter and detailed capacity analysis, high school capacity is available for the project; however, elementary and middle school capacity are deficient. The analysis identifies a deficiency of 91.956 seats at the elementary school level and 44.588 seats at the middle school level, with no high school seat deficiency identified. The applicant provided the executed School Concurrency Mitigation Agreement and related amendments for The Ridge PD. The agreement reserved and provided mitigation for 678 multi-family units within The Ridge PD. Of those units, 304 multi-family units were previously allocated to other parcels in the PD, leaving 374 multi-family units reserved for The Ridge PD – Parcel 3 MDP. The proposed 363 multi-family dwelling units are within the remaining reserved multi-family capacity..

ORANGE COUNTY NOTIFICATION
Orange County was notified at the time of the site plan submittal for this property through the DRC agenda distribution.

FINDINGS
The Development Review Committee finds that the applicant has demonstrated competent, substantial evidence that:

- The proposed development and uses in the development plan comply with Article 3: Zoning Districts, and Article 4: Use Regulations;
- The development proposed in the development plan and its general layout and design comply with all the standards in Article 5: Development Standards, and Article 6: Environmental Standards;
- The development proposed in the development plan complies with all conditions of approval in any development approval or permit to which the plan is subject; and
- The development proposed in the development plan complies with all other applicable standards in this LDC and all other City regulations; and

- If any part of the development plan requires a plat, the plat is approved in accordance with Sec. 2.5.2.B, Plat (Subdivision), and is in substantial conformance with the development plan.

Note: Final technical compliance with engineering, utility, drainage, fire access, and construction details will be addressed through Construction Plan review and permitting. Approval of the Major Development Plan does not authorize construction.

PUBLIC HEARING SCHEDULE
June 9, 2026 – Planning Commission (5:30 PM)
July 1, 2026 – City Council (1:30 PM)
August 5, 2026 – City Council (1:30 PM)

FUNDING SOURCE:
N/A

JULY 1, 2026 CITY COMMISSION MEETING
At the July 1, 2026 City Commission meeting, this item was tabled to August 5, 2026 to allow additional discussion regarding transportation conditions and planned improvements in the Boy Scout Road/Ocoee Apopka Road and Boy Scout Road/Binion Road areas. Discussion included the broader transportation improvement obligations and agreements associated with The Ridge PD, as well as, the timing and implementation of roadway improvements contemplated for the surrounding network.

Staff recognizes that there are still important transportation improvements and issues that will need to be addressed as The Ridge PD continues to develop and as the surrounding roadway network is built out. However, the request before the City Commission is the Major Development Plan for Parcel 3. Based on the plans, staff report, and supporting exhibits, the applicant has demonstrated competent substantial evidence that the proposed MDP is consistent with the Comprehensive Plan, the approved Ridge PD Master Plan, the Land Development Code, and applicable development standards.

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
DEVELOPMENT REVIEW COMMITTEE (DRC)
On June 3, 2026, the Development Review Committee recommended approval of The Ridge Phase 3 – Major Development Plan at its meeting, and found it consistent with the Comprehensive Plan and Land Development Code based upon the findings and facts presented in the staff report and exhibits.

PLANNING COMMISSION
At its meeting on June 9, 2026, the Planning Commission found the proposed The Ridge Phase 3 — Major Development Plan consistent with the Comprehensive Plan and Land Development Code, and voted 4-2 to recommend approval of the Major Development Plan based upon the findings and facts presented in the staff report and exhibits. Planning Commissioners David Woods and Malika Harrison dissented. Discussion prior to the vote included transportation, access, and roadway improvement considerations associated with the project and the larger Ridge PD.

CITY COMMISSION
At its meeting on July 1, 2026, the City Commission tabled the item to August 5, 2026 based on additional discussion regarding transportation, access, and roadway improvement considerations associated with the project and the larger Ridge PD.

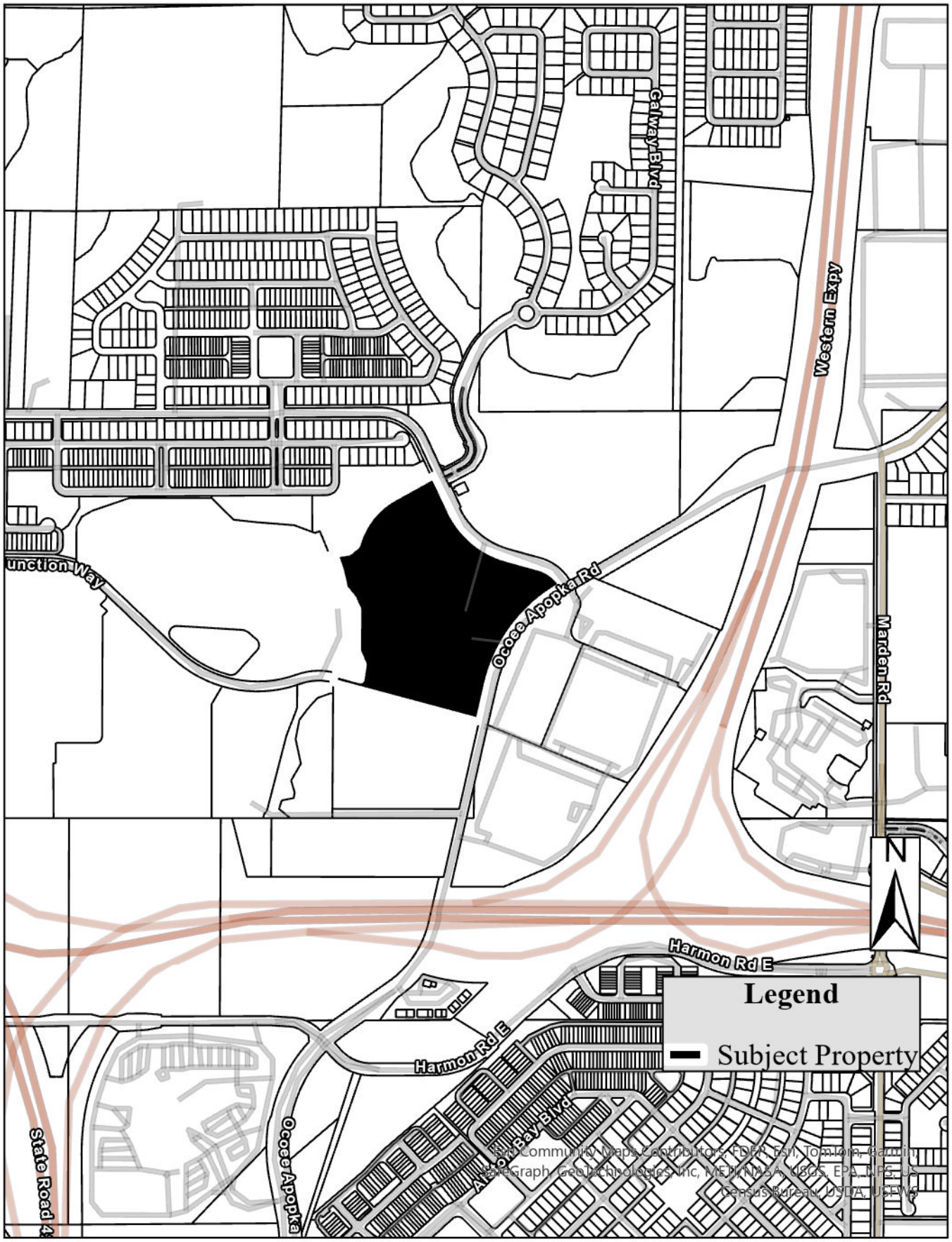
CITY COMMISSION — RECOMMENDED MOTION FOR AUGUST 5, 2026
Approve The Ridge Phase 3 — Major Development Plan.

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:

1. The Ridge PD Parcel 3 - Map Series
2. The Ridge PD Parcel 3 - MDP
3. Ord. No. 2938
4. Ord. No. 2858
5. The Ridge PD - Master Plan (Revised)
6. Ord. No. 2858 + PD Agreement - CC Minutes 072121
7. The Ridge - PD Agreement and Transportation DA and Grant of Easement
8. The Ridge - First Amendment to PD Agreement
9. The Ridge - First Amendment to Transportation Improvements DA and Grant of Easement
10. The Ridge PD Parcel 3 - OCPS Capacity Encumbrance
11. The Ridge PD Parcel 3 - OCPS School Conc Amendment
12. The Ridge - Second Amendment to PD Agreement
13. The Ridge PD - Phase I ESA
14. The Ridge PD - TIA
15. Boy Scout Road Speed Zone Study 021825
16. The Ridge - CDD Financial Report FY25

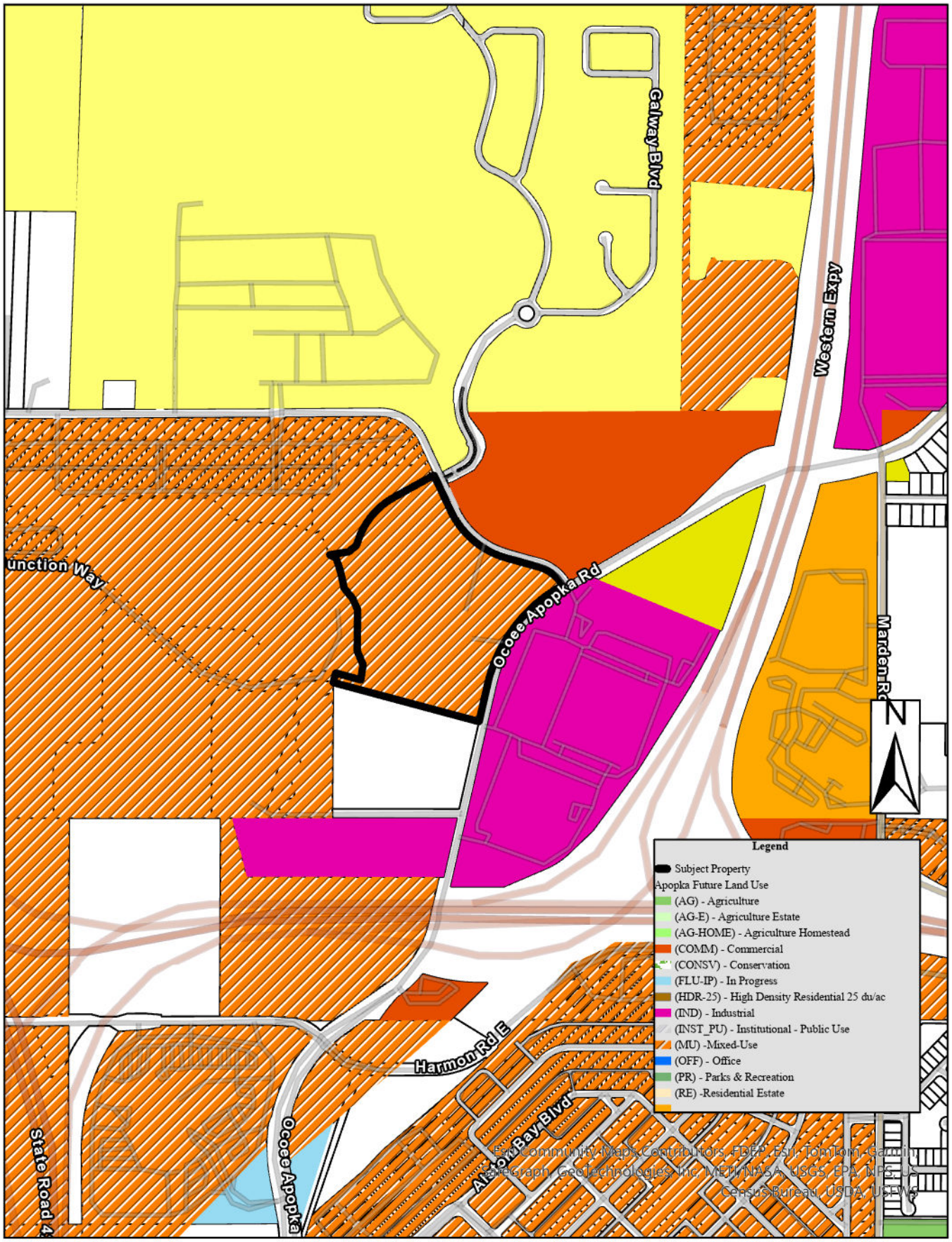
Vicinity


Galway Blvd
Western Expy
Junction Way
Ocoee Apopka Rd
Marden Rd
N
Harmon Rd E
Legend
Subject Property
Harmon Rd E
Ocoee Apopka
State Road 4
Esri Community Maps Contributors, FDEP, Esri, TomTom, Garmin, MapmyIndia, GeoTechnologies Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

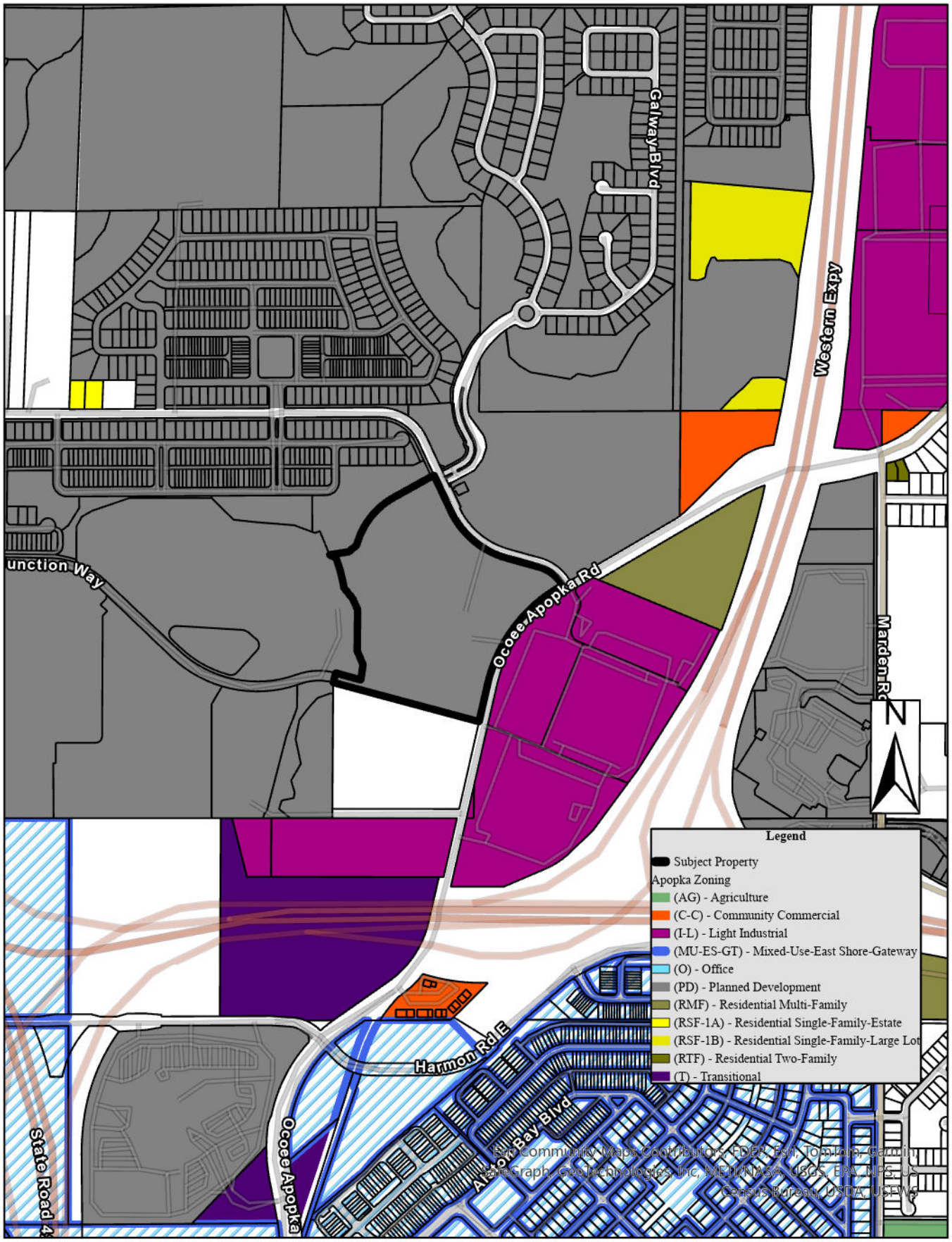
Aerial


Boy Scout Rd
Boy Scout Rd
Western Expy
Western Expy
Jack Junction Way
Ocoee Apopka Rd
N
Legend
Subject Property
414
Harmon Rd E
Harmon Rd
State of Florida, Vantor, Esri Community Maps Contributors, Esri
© OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph
GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census
Bureau, USDA, USFWS

Future Land Use



Zoning

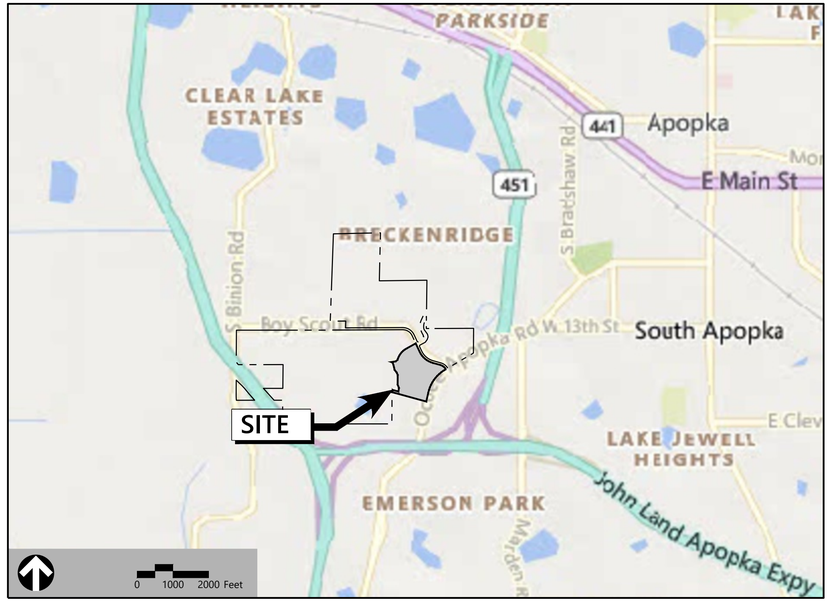

Galway Blvd
Western Expy
unction Way
Ocoee-Apopka Rd
Marden Rd
N
Legend
Subject Property
Apopka Zoning
(AG) - Agriculture
(C-C) - Community Commercial
(I-L) - Light Industrial
(MU-ES-GT) - Mixed-Use-East Shore-Gateway
(O) - Office
(PD) - Planned Development
(RMF) - Residential Multi-Family
(RSF-1A) - Residential Single-Family-Estate
(RSF-1B) - Residential Single-Family-Large Lot
(RTF) - Residential Two-Family
(T) - Transitional
Harmon Rd E
Apopka Bay Blvd
State Road 4
Ocoee Apopka
Esri Community Maps Contributors, FDEP, Esri, TomTom, Garmin, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Major Development Plan

Issued for	Major Development Plan Approval
Date Issued	February 20, 2026
Latest Issue	May 1, 2026

The Ridge PD - Parcel 3

City of Apopka, Florida
Parcel IDs: 17-21-28-7345-03-000



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225 E. Robinson Street
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Number FL #3932

Owner / Applicant
Craig Perry
Apopka Centerline Development LLC
1500 Cordova Road
Suite 203
Fort Lauderdale, Florida 33316

Sheet Index

No.	Drawing Title	Latest Issue
C-1.1	Existing Conditions Plan	March 05, 2026
C-2.0	Overall PD Site Plan	May 01, 2026
C-2.1	Master Site Plan & Site Data	May 01, 2026
C-3.0	Grading, Drainage & Utilities Plan	May 01, 2026
C-4.0	Typical Sections & Details	May 01, 2026
C-5.0	Fire Access Plan	March 05, 2026
C-6.0	Layout & Materials Plan	May 01, 2026

Reference Drawings

No.	Drawing Title	Latest Issue
L-1.0 - L-3.0	Landscape Plans	February 20, 2026
Shts. 1-6	Topographic, Underground Utility and Tree Survey	December 09, 2025
A6.11	Building Elevations	December 03, 2025

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1

PROJECT SCOPE
THE RIDGE PD - PARCEL 3 PROJECT CONSISTS OF THE DEVELOPMENT OF A MULTI-FAMILY RESIDENTIAL COMMUNITY ON THE WESTERN HALF OF THE SUBJECT PARCEL AS WELL AS THE EXTENSION OF BRONSON LAKE DRIVE. THE PARCEL IS LOCATED WITHIN THE RIDGE PLANNED DEVELOPMENT (RIDGE PD). THE OVERALL PARENT PARCEL ENCOMPASSES APPROXIMATELY 30.49 ACRES, OF WHICH APPROXIMATELY 14.37 ACRES ARE ALLOCATED FOR THE PROPOSED APARTMENT DEVELOPMENT.

AS PART OF THIS PROJECT, BRONSON LAKE DRIVE WILL BE EXTENDED FROM ITS PREVIOUSLY CONSTRUCTED TERMINUS AND CONNECT TO OCOEE APOPKA ROAD. THE ROADWAY EXTENSION WILL INCLUDE ALL ASSOCIATED IMPROVEMENTS INCLUDING ROADWAY CONSTRUCTION, SIDEWALKS, LANDSCAPING, AND STORMWATER DRAINAGE INFRASTRUCTURE. THE PROPOSED ROADWAY DRAINAGE SYSTEM WILL CONNECT INTO AND FUNCTION AS PART OF THE EXISTING BRONSON LAKE DRIVE DRAINAGE SYSTEM.

THE PROPOSED MULTI-FAMILY DEVELOPMENT WILL CONSIST OF 11 APARTMENT BUILDINGS (363 MULTI-FAMILY DWELLING UNITS) AND A CLUBHOUSE BUILDING, ALONG WITH ASSOCIATED SITE IMPROVEMENTS INCLUDING INTERNAL ACCESS DRIVES, PARKING AREAS, SIDEWALKS, LANDSCAPING AND SUPPORTING INFRASTRUCTURE NECESSARY TO SERVE THE RESIDENTIAL COMMUNITY.

THE REMAINDER OF PARCEL 3 IS REFERRED TO AS PARCEL 3 COMMERCIAL AND WILL BE DEVELOPED AND PERMITTED UNDER A SEPARATE MAJOR DEVELOPMENT PLAN (MDP).

THE PROPOSED 363 DU MULTI-FAMILY DEVELOPMENT ON THE WESTERN PORTION OF PARCEL 3 IS CONSISTENT THE RIDGE PD MASTER PLAN AND ORDINANCE No. 2938 FOR THE PD REZONING. THE PROPOSED DEVELOPMENT DOES NOT ALTER THE INTENDED LAND USES AND ALLOCATED CAPACITIES ESTABLISHED IN THE APPROVED PD DEVELOPMENT PROGRAM FOR PARCEL 3.

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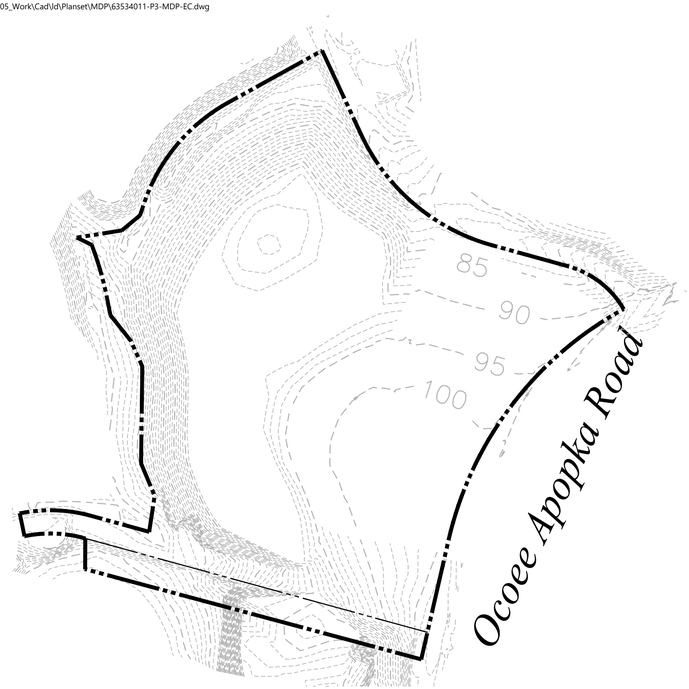
GEORGE EMIL GEORGY LICENSE No. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

VHB Project : 63534.011
Issued for : Major Development Plan Approval

Saved Friday, May 1, 2026 6:30:15 PM GGEORGY Plotted Saturday, May 2, 2026 11:25:05 PM George Georgy



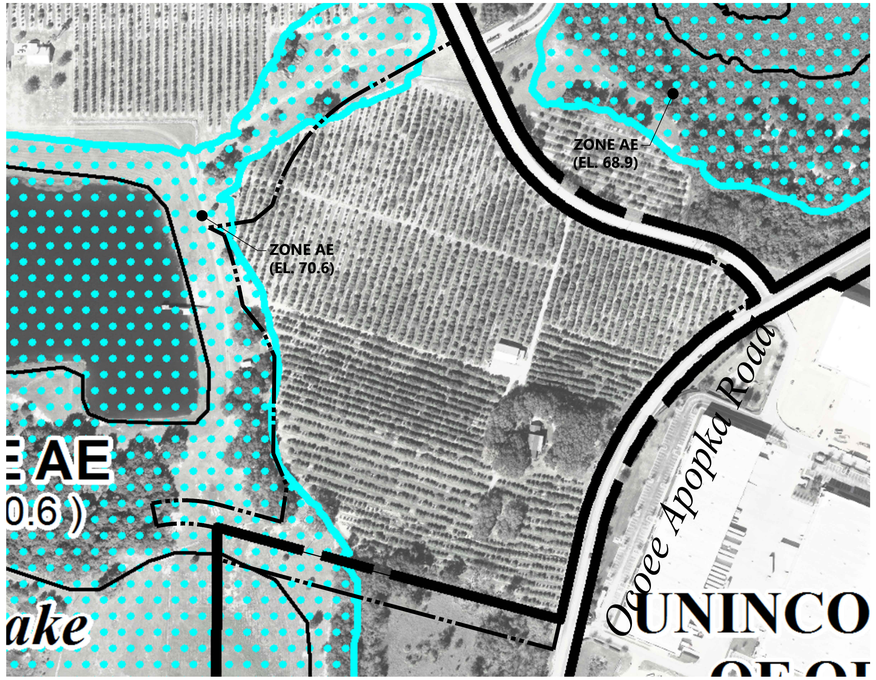
TOPOGRAPHY MAP

(NAVD 88)

CONTOUR SOURCE:
ONSITE: ALLEN & COMPANY, JAN. 2026
OFFSITE: ORANGE COUNTY GIS, 2014

LEGEND

- PROJECT BOUNDARY
- TOPOGRAPHIC CONTOUR



FLOODPLAIN MAP

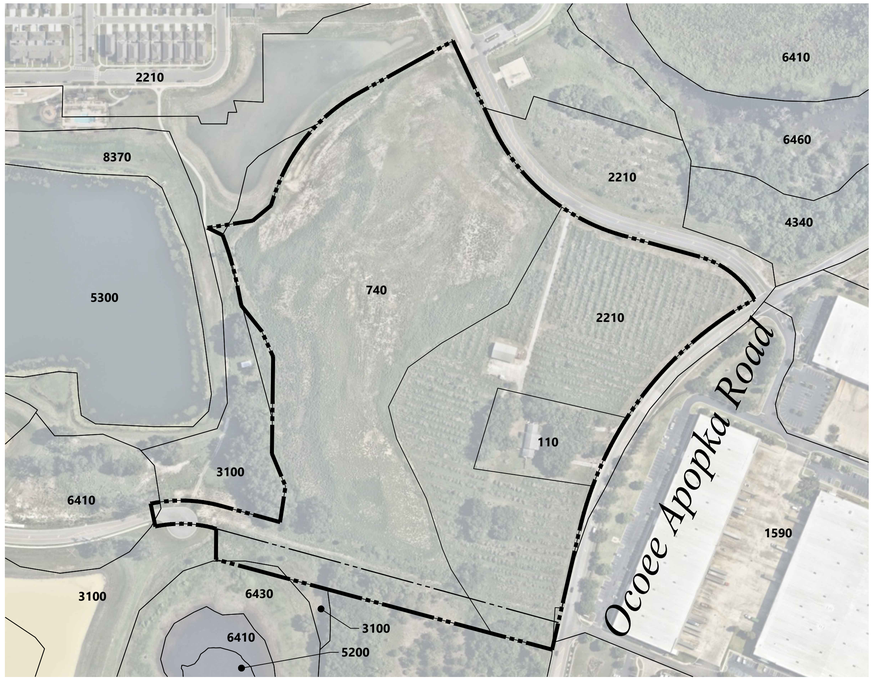
FEMA MAP SERVICE CENTER, FIRM PANEL 12095C0120H, DATED SEPTEMBER 24, 2021

LEGEND

- PROJECT BOUNDARY
- SPECIAL FLOOD HAZARD AREA

FIRM PANEL LEGEND

ZONE A	NO BASE FLOOD ELEVATIONS DETERMINED
ZONE AE	BASE FLOOD ELEVATIONS DETERMINED
	SPECIAL FLOOD HAZARD AREAS SUBJECT TO INNUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT
ZONE X	AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN



AERIAL & EXISTING LAND USE MAP

FLUCFCS SOURCE: SJRWMD, 2014
AERIAL SOURCE: NEAR MAP, 2026

LEGEND

- PROJECT BOUNDARY
- FLUCFCS LIMITS

CODE	DESCRIPTION
110	RESIDENTIAL, LOW DENSITY
740	DISTURBED LANDS
1590	INDUSTRIAL UNDER CONSTRUCTION
2210	CITRUS GROVES
3100	HERBACEOUS UPLAND NONFORESTED
4340	UPLAND MIXED CONIFEROUS/HARDWOOD
5200	LAKES
5300	RESERVOIRS - PITS, RETENTION PONDS, DAMS
6410	FRESHWATER MARSHES
6430	WET PRAIRIES
6460	MIXED SCRUB-SHRUB WETLAND
8370	SURFACE WATER COLLECTION BASINS



SOILS MAP

SOILS SOURCE: USDA, NRCS

LEGEND

- PROJECT BOUNDARY
- SOILS BOUNDARY

SOIL CODE	DESCRIPTION
3	BASINGER FINE SAND, FREQUENTLY PONDED, 0 TO 1 PERCENT SLOPES
4	CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES
5	CANDLER FINE SAND, 5 TO 12 PERCENT SLOPES
17	FLORIDANA MUCKY FINE SAND, FREQUENTLY PONDED, 0 TO 1 PERCENT SLOPES
21	LAKE FINE SAND, 0 TO 5 PERCENT SLOPES
28	FLORAHOME FINE SAND, 0 TO 5 PERCENT PERCENT SLOPES
33	PITS
47	TAVARES-MILLHOPPER FINE SANDS, 0 TO 5 PERCENT SLOPES
54	ZOLFO FINE SAND, 0 TO 2 PERCENT SLOPES
99	WATER

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0 100 200 400 Feet

The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by: CJM
Checked by: GEG

Issued for: Major Development Plan Approval
Not Approved for Construction

Date: March 05, 2026

Drawing Title: Existing Conditions Plan

Vertical Datum NAVD 1988

GEORGE EMIL GEORGY LICENSE NO. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number: C-1.1

Sheet of

Project Number: 63534.011

Saved Thursday, April 30, 2026 2:33:54 PM JOEMARTIN Plotted Saturday, May 2, 2026 11:25:10 PM George Georgy

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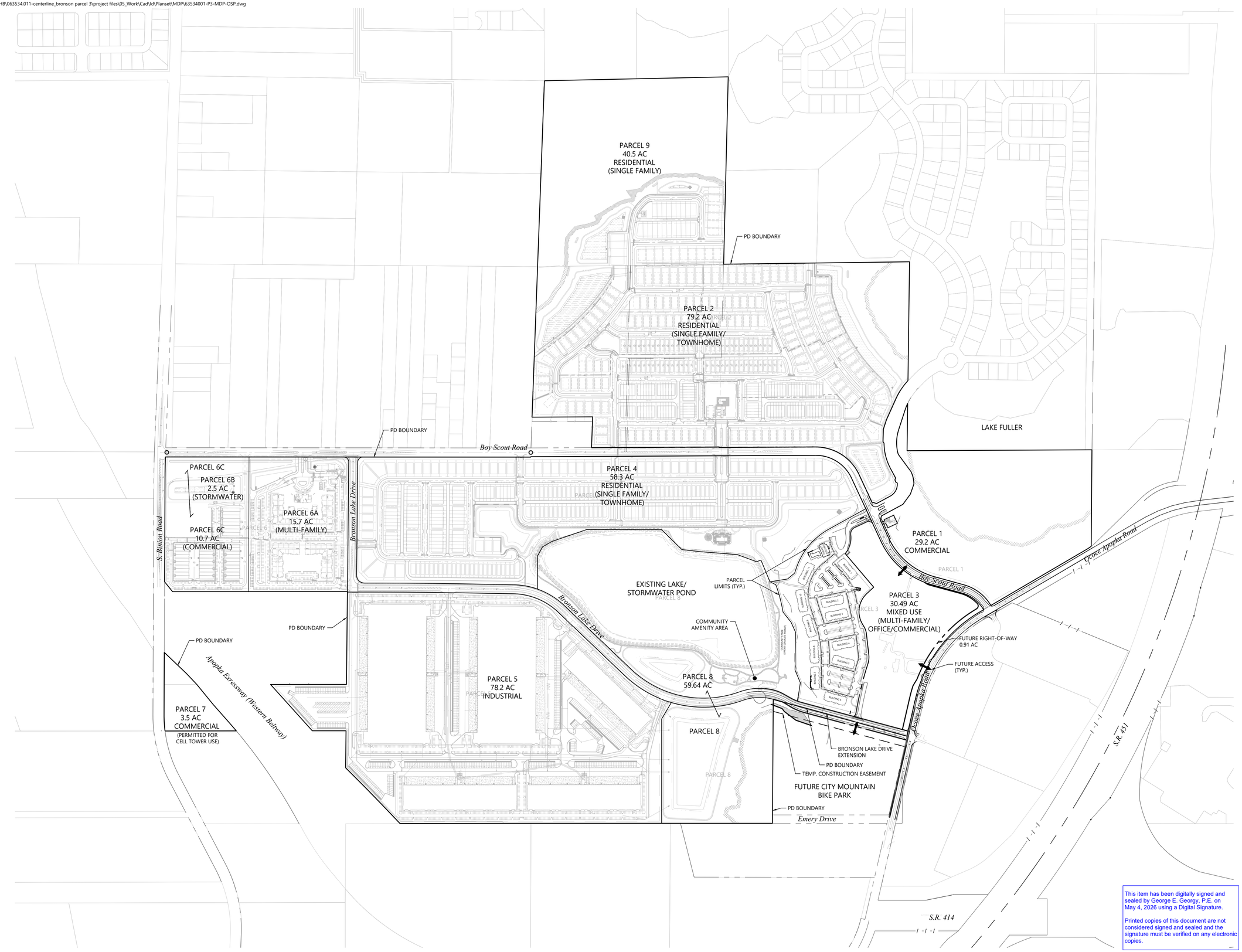

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0 150 300 600 Feet

The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by CJM | Checked by GEG

Issued for: Major Development Plan Approval — Not Approved for Construction

Date: March 05, 2026

Drawing Title

Overall PD Site Plan

Vertical Datum NAVD 1988

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P.E. # 84318
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Drawing Number: C-2.0

Sheet of

Project Number: 63534.011

Saved Saturday, May 2, 2026 11:37:03 PM GGEORGY Plotted Saturday, May 2, 2026 11:38:02 PM George Georgy

GENERAL SITE DATA:

GENERAL:

ZONING	PD	
PROPOSED MULTIFAMILY UNITS	363	DU
1-BEDROOM	15	DU/BLDG
2-BEDROOM	18	DU/BLDG
NUMBER OF BUILDINGS	11	
TOTAL PROJECT ACRES	30.49	Ac.
MULTIFAMILY ACRES	14.37	Ac.
FUTURE DEVELOPMENT (COMMERCIAL) ACRES	14.27	Ac.
BRONSON LAKE DRIVE	0.91	Ac.
FUTURE OCOEE APOPKA ROAD ROW	0.94	Ac.
TOTAL NET DEVELOPABLE ACRES	28.64	Ac.
NET DENSITY (RESIDENTIAL)	25.26	DU/AC.

DEVELOPMENT PLAN CHART

PARCEL ID NUMBERS	17-21-28-7345-03-000	
FUTURE LAND USE	MU MIXED USE	
ZONING	PD	
ADJACENT FUTURE LAND USE	NORTH (CITY): COMM - COMMERCIAL, RL - RESIDENTIAL LOW	
	EAST (CITY): IND - INDUSTRIAL	
	SOUTH (CITY): R - RURAL	
	WEST (CITY): MIXED USE	
ADJACENT ZONING	NORTH (CITY): PD	
	EAST (CITY): I-L - LIGHT INDUSTRIAL	
	SOUTH (CITY): A-1 - CITRUS RURAL	
	WEST (CITY): PD	
BUILDING HEIGHT - MULTIFAMILY (PER PD):	PROPOSED: 3 STORIES	MAX: 5 STORIES/65'
MIN BLDG SETBACKS - MULTIFAMILY (PER PD):		
FRONT PRIMARY STRUCTURE	15'	
SIDE	10'	
CORNER PRIMARY	20'	
REAR PRIMARY	25'	
BUILDING SEPARATION	20'	
BUILDING HEIGHT - COMMERCIAL (PER PD):	PROPOSED: N/A	MAX: 50'
MIN BLDG SETBACKS - COMMERCIAL (PER PD):		
FRONT PRIMARY STRUCTURE	15'	
SIDE	10'	
CORNER PRIMARY	20'	
REAR PRIMARY	10'/30' (ADJACENT TO RESIDENTIAL)	
PARKING SPACES - MULTIFAMILY	PROVIDED: 507 (14 ACCESSIBLE)	
	REQUIRED: 433 (1 PER 1-BED DU, 1.35 PER >1-BED DU) (9 ACCESSIBLE)	
TOTAL OPEN SPACE - MULTIFAMILY	PROPOSED: 6.12 AC	REQ'D: 0.00 AC (per MDP)
TREE MITIGATION (SPECIMEN) - MULTIFAMILY	PROPOSED: 0.00 INCHES	REQ'D: 0.00 IN (per MDP)
WAIVER REQUEST	YES: NO: X	
VARIANCE REQUEST	YES: NO: X	

Green Building Standards - Parcel 6		
Minimum Points Required	4	4.0 points required for Residential Development greater than 30 units.
Item	Points	Notes
Use central air conditioners that are Energy Star qualified	0.5	
Create a soil management plan for development site that promotes stormwater infiltration through improved organic matter content, reduced compaction levels, and increased infiltration capacity	0.5	The entire site is designed to drain to retention pond that will fully recover through infiltration.
Use vegetation or vegetated structures to shade HVAC units.	0.25	2 shrubs per A/C unit will be shown on the final landscape plans.
Provide a minimum of two electric vehicle (EV) level 2 charging stations that are made available in a parking structure or off-street parking lot to those using the building	0.5	
Elevate new and/or existing structures more than 3 feet above base flood elevation (BFE)	2	0.50 per foot above BFE (assume 4 ft conservative)
Install operable windows to allow for natural ventilation in the event of power failures	0.25	
Total Recommended Potential Points	4.0	

PHASING:

THIS PROJECT WILL BE DEVELOPED IN ONE (1) PHASE

MISCELLANEOUS:

POTABLE WATER SERVICE:	CITY OF APOPKA
WASTEWATER, RECLAIMED SERVICE:	CITY OF APOPKA
ELECTRIC SERVICE:	DUKE ENERGY
FIRE PROTECTION:	CITY OF APOPKA
AVERAGE DAILY TRAFFIC PER ITE 210 (10TH EDITION):	2,694

SIGNAGE:

SIGNAGE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 5.10.9 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

LIGHTING:

EXTERIOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 5.6 OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

GARBAGE PICKUP:

1) ONSITE COMPACTOR PROVIDED WITH PRIVATE PICKUP.
2) ANY MISCELLANEOUS GARBAGE, YARD WASTE, CONSTRUCTION DEBRIS, DEMOLITION DEBRIS, FERTILIZERS, HERBICIDES, INSECTICIDES, ETC., SHALL BE DISPOSED OF OFF-SITE ACCORDING TO THE SOLID WASTE AND HAZARDOUS WASTE REGULATIONS. USE CAUTION IF ANY HAZARDOUS WASTE IS PRESENT. CALL THE ORANGE COUNTY SOLID WASTE HOTLINE AT 407-836-6601 FOR INFORMATION.

FIRE:

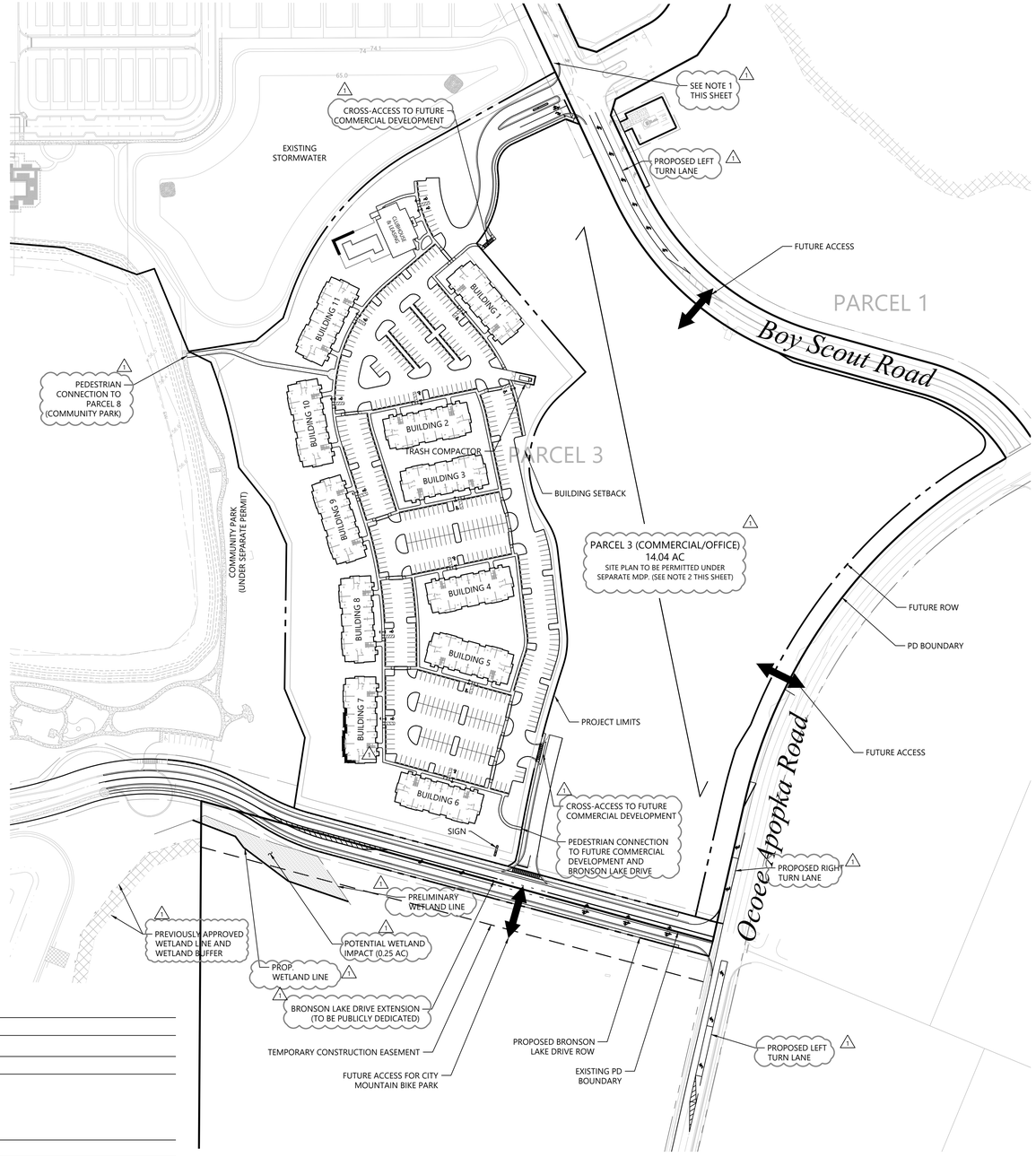
1. FIRE HYDRANTS SHALL BE INSTALLED SO THAT THE DESIGN AND CALCULATIONS MEET THE REQUIREMENTS IN THE CITY OF APOPKA CODE OF ORDINANCES AND THE FLORIDA FIRE PREVENTION CODE 5th EDITION (2012).
2. FIRE ACCESS SHALL BE FROM THE FRONT OF THE PROPOSED DWELLING UNITS. ACCESS SHALL BE IN ACCORDANCE WITH CHAPTER 18 NFPA 1 & 101, 2021 EDITION, FFPC 5TH EDITION (2020).
3. ANY COMMERCIAL STRUCTURE OR RESIDENTIAL BUILDING OF THREE OR MORE STORIES MAY BE REQUIRED TO HAVE AN AUTOMATIC FIRE SPRINKLER PROTECTION DEPENDING UPON THE BUILDING CONSTRUCTION TYPE, OCCUPANCY CLASSIFICATION, AND ADDITIONAL BUILDING OR FIRE CODE REQUIREMENTS.

ARCHITECTURAL:

ARCHITECTURAL DESIGN SHALL MEET THE INTENT OF THE CITY OF APOPKA'S DEVELOPMENT DESIGN GUIDELINES.

LANDSCAPE:

1. LANDSCAPING AND BUFFER STANDARDS SHALL BE IN ACCORDANCE WITH THE PD WHERE APPLICABLE AND WITH TABLE 5.2.5.B.3.D-1: BUFFERYARD APPLICATION OF THE CITY OF APOPKA LAND DEVELOPMENT CODE. INTERIOR LANDSCAPE BUFFERS BETWEEN ABUTTING PROPERTY BOUNDARIES MAY HAVE A TEN (10) FOOT WIDE LANDSCAPE BUFFER. LANDSCAPING STANDARDS FOR RESIDENTIAL DEVELOPMENT SHALL ADHERE TO SECTION 5.2.2(B) OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.



OWNERSHIP/MAINTENANCE:

ROADWAYS	PRIVATE:	TO BE OWNED AND MAINTAINED BY PROPERTY OWNER
LAKE BRONSON DRIVE	PUBLIC:	TO BE OWNED AND MAINTAINED BY THE CITY OF APOPKA
UTILITY EASEMENTS	PUBLIC:	TO BE DEDICATED TO THE CITY OF APOPKA
SANITARY SEWER, RECLAIMED WATER & POTABLE WATER SYSTEM	PRIVATE:	TO BE OWNED AND MAINTAINED BY PROPERTY OWNER
STORM SEWER SYSTEM	PRIVATE:	TO BE OWNED AND MAINTAINED BY PROPERTY OWNER
PARK TRACTS/OPEN SPACE/LANDSCAPE TRACTS	PRIVATE:	TO BE OWNED AND MAINTAINED BY PROPERTY OWNER

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NOTES:

1. SUBJECT TO DETERMINATION OF THE POSTED SPEED LIMIT ON BOY SCOUT ROAD, A RIGHT-TURN LANE MAY BE REQUIRED PRIOR TO CONSTRUCTION SITE PLAN (CSP) APPROVAL IF SPEED LIMIT EQUALS OR EXCEEDS 35 MPH.
2. REMAINDER OF PARCEL 3 TO BE PERMITTED UNDER SEPARATE MAJOR DEVELOPMENT PLAN (MDP). REMAINING CAPACITY FOR THE COMMERCIAL/OFFICE DEVELOPMENT WITHIN PARCEL 3 TO BE DETERMINED IN ACCORDANCE WITH THE RIDGE PD MASTER PLAN. THE TOTAL DEVELOPMENT CAPACITY FOR THE OVERALL PARCEL SHALL NOT EXCEED THE PD DEVELOPMENT PROGRAM FOR PARCEL 3.

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0 60 120 240 Feet

The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by CJM | Checked by GEG

Issued for: Major Development Plan Approval — Not Approved for Construction

Date: March 05, 2026

Drawing Title: Master Site Plan & Site Data

Vertical Datum NAVD 1988

GEORGE EMIL GEORGY LICENSE NO. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number: C-2.1

Sheet of

Project Number: 63534.011

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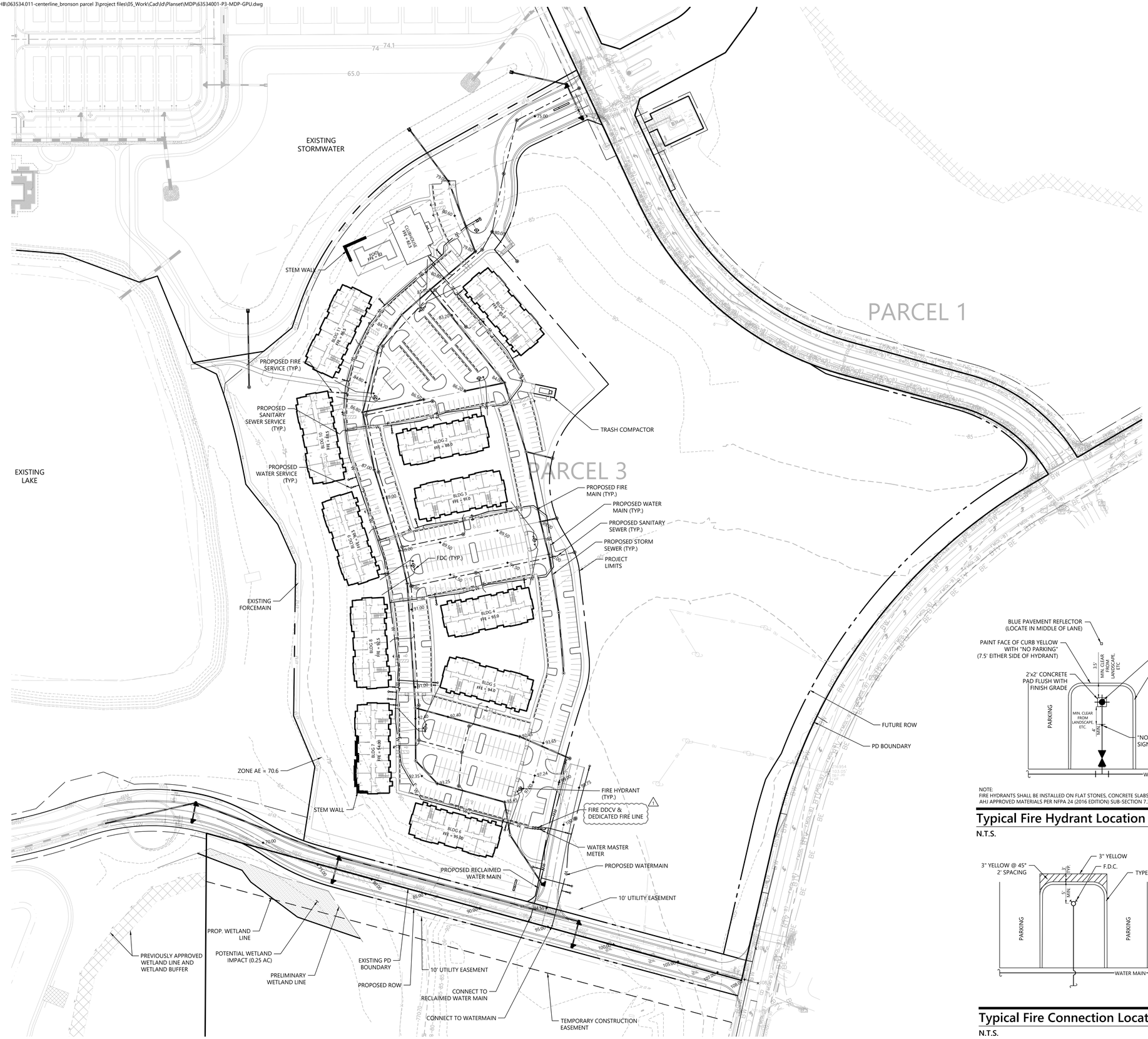

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Legend

- PD BOUNDARY
- PROPOSED STORM DRAIN, CURB INLET, MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED WATERMAIN & GATE VALVE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED RECLAIMED WATER & GATE VALVE
- PROPOSED DEDICATED FIRELINE
- FIRE DEPARTMENT CONNECTION (FDC)

FIRE NOTES:

1. FIRE SPRINKLER AND FIRE ALARM ARE REQUIRED.
2. KNOX BOX WILL BE REQUIRED PER BUILDING.
3. HYDRANTS ARE REQUIRED WITHIN 25-FT OF FIRE DEPARTMENT CONNECTIONS (FDC).
4. FIRE DEPARTMENT CONNECTIONS (FDC) ARE REQUIRED TO BE REMOTE FROM BUILDINGS.
5. NO GATES PROPOSED FOR THIS MULTI-FAMILY DEVELOPMENT.
6. NO ELEVATORS PROPOSED WITH THE PROPOSED APARTMENT BUILDINGS.

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0 40 80 160 Feet

NOTE:
FIRE HYDRANTS SHALL BE INSTALLED ON FLAT STONES, CONCRETE SLABS OR OTHER AHJ APPROVED MATERIALS PER NFPA 24 (2016 EDITION) SUB-SECTION 7.3.1.

Typical Fire Hydrant Location Detail

N.T.S.

Typical Fire Connection Location Detail

N.T.S.

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Parcel 3

Apopka, Florida

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1	MDP DRC Comments	05/01/2026	

Designed by CJM — Checked by GEG

Issued for: Major Development Plan Approval — Date: March 05, 2026

Not Approved for Construction

Drawing Title: **Grading, Drainage & Utilities**

Vertical Datum NAVD 1988

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George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number: **C-3.0**

Sheet of

Project Number: **63534.011**

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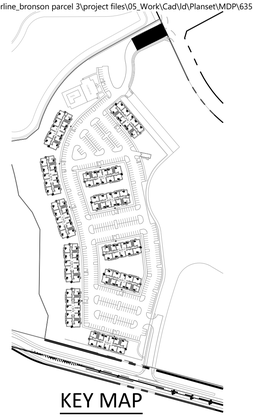
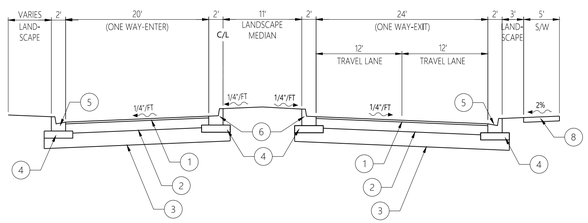
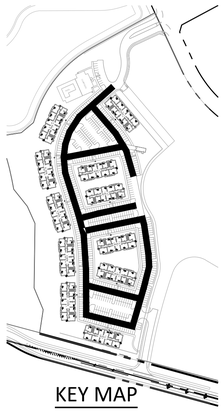
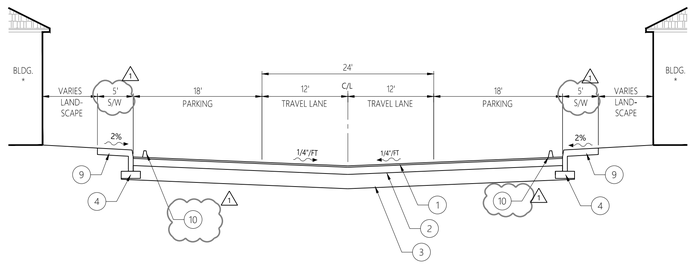




A - Typical Entrance Road Section

N.T.S.

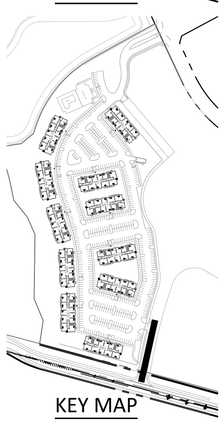


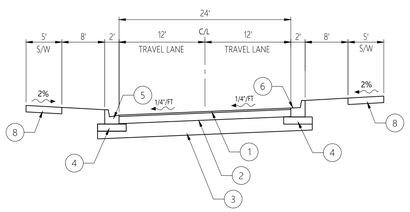


* SIDEWALK AND BUILDING OR LANDSCAPE. SEE PLANS FOR LOCATIONS.

C - Typical Pavement Section

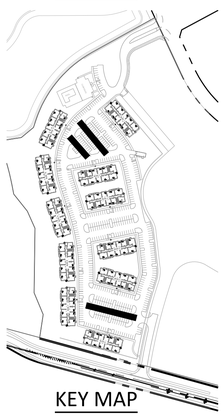
N.T.S.

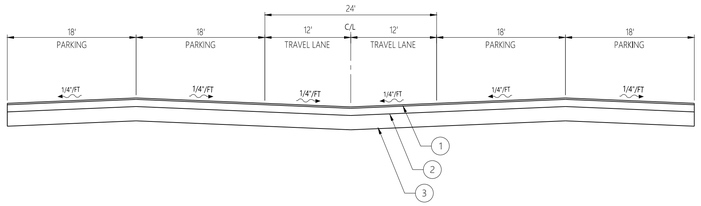




E - Typical Pavement Section

N.T.S.

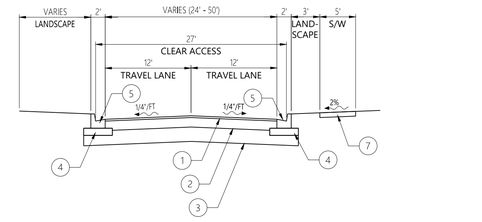




G - Typical Pavement Section

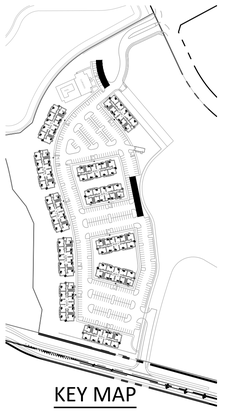
N.T.S.

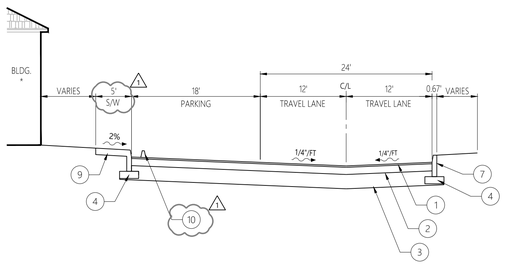




B - Typical Gated Entry Section

N.T.S.



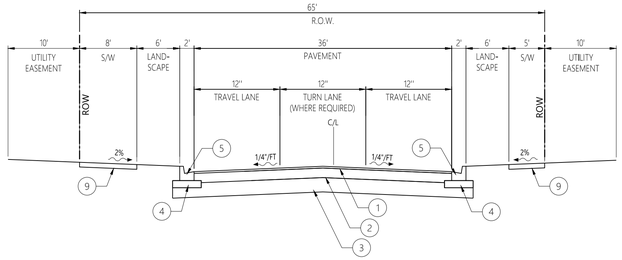


* SIDEWALK AND BUILDING OR LANDSCAPE. SEE PLANS FOR LOCATIONS.

D - Typical Pavement Section

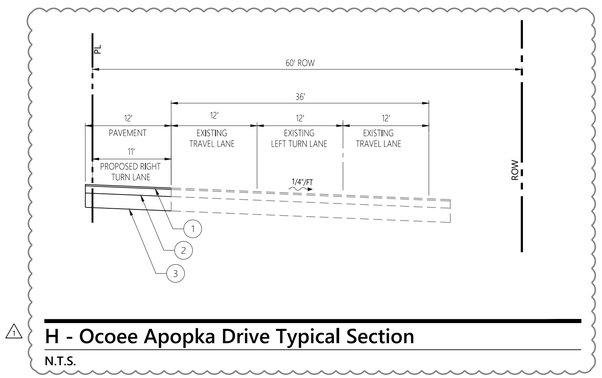
N.T.S.





F - Bronson Lake Drive Typical Section

N.T.S.



H - Ocoee Apopka Drive Typical Section

N.T.S.

This item has been digitally signed and sealed by George E. Georgy, P.E. on May 4, 2026 using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

vhb.com

225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

LEGEND:

1. ASPHALT
2. BASE
3. SUBGRADE
4. 6" (IN.) STABILIZED SUBGRADE IN CURB AREA TO EXTEND 12" (IN.) EACH SIDE TO 50 FBV
5. TYPE 'F' CONCRETE CURB
6. TYPE 'F' CONCRETE CURB-MODIFIED (SPILL-OUT)
7. TYPE 'D' MONOLITHIC CONC. CURB
8. 4" (IN.) CONCRETE SIDEWALK (3000 P.S.I.)
9. 4" (IN.) MONOLITHIC CONCRETE SIDEWALK (3000 P.S.I.)
10. WHEEL STOP

* FINAL PAVEMENT SECTIONS WILL BE DETERMINED AT TIME OF CONSTRUCTION PLAN SUBMITTAL.

PRELIMINARY - NOT FOR CONSTRUCTION

THIS PRELIMINARY DEVELOPMENT PLAN IS SIGNED AND SEALED AS REQUIRED BY CITY OF APOPKA CODE SECTION 12.02.04.B. THESE PLANS ARE NOT FINAL CONSTRUCTION DOCUMENTS AND ARE NOT INTENDED FOR PERMIT, CONSTRUCTION, OR BIDDING PURPOSES.

The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by CJM | Checked by GEG

Issued for: Major Development Plan Approval — Not Approved for Construction

Date: March 05, 2026

Drawing Title: Typical Sections & Details

Vertical Datum NAVD 1988

GEORGE EMIL GEORGY LICENSE NO. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number: C-4.0

Sheet of

Project Number: 63534.011

Saved Saturday, May 2, 2026 11:29:42 PM GEEORGY Plotted Saturday, May 2, 2026 11:31:49 PM George Georgy





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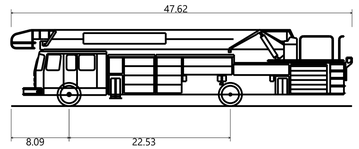
225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932



Platform	
Overall Length	47.620ft
Overall Width	9.250ft
Overall Body Height	10.650ft
Min Body Ground Clearance	1.081ft
Track Width	9.250ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	41.750ft

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The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by: CJM
Checked by: GEG
Issued for: Major Development Plan Approval
Not Approved for Construction
Date: March 05, 2026

Drawing Title
Fire Access Plan

Vertical Datum NAVD 1988

This item has been digitally signed and sealed by George E. Georgy, P.E. on May 4, 2026 using a Digital Signature.

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GEORGE EMIL GEORGY LICENSE NO. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number
C-5.0
Sheet of

Project Number
63534.011

Saved Thursday, April 30, 2026 2:39:14 PM JOEMARTIN Plotted Saturday, May 2, 2026 11:31:50 PM George Georgy

c:\AMS\ACCDocs\VHB\063534.011-centerline_bronson parcel 3\project files\05_Work\Cad\cl\Planset\MDP\63534001-P3-MDP-LMP.dwg



vhb.com

225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

LEGEND

PD BOUNDARY

(10) PARKING COUNTS

PRELIMINARY - NOT FOR CONSTRUCTION

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0 40 80 160 Feet

The Ridge PD
Parcel 3

Apopka, Florida

No.	Revision	Date	Appvd.
1	MDP DRC Comments	05/01/2026	

Designed by: CJM
Checked by: GEG

Issued for: Major Development Plan Approval
Not Approved for Construction

Date: March 05, 2026

Drawing Title

Overall Layout & Materials Plan

Vertical Datum NAVD 1988

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GEORGE EMIL GEORGY LICENSE NO. 84318 STATE OF FLORIDA PROFESSIONAL ENGINEER

George E. Georgy, P.E.
P.E. # 84318
DATE: May. 02, 2026

Drawing Number: C-6.0

Sheet of

Project Number: 63534.011

Saved Saturday, May 2, 2026 11:29:58 PM GGEORGY Plotted Saturday, May 2, 2026 11:31:25 PM George Georgy

ORDINANCE NO. 2938

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING ORDINANCE NO. 2858, WHICH IS KNOWN AS "THE RIDGE" PLANNED DEVELOPMENT (PD), GENERALLY LOCATED NORTH AND SOUTH OF BOY SCOUT ROAD, WEST OF SR 451, NORTH OF SR 414 AND WEST OF SR 429, COMPRISING 407.8 ACRES MORE OR LESS, OWNED BY TROY S. BRONSON FAMILY LP, BRONSON TROY S LIFE ESTATE, APOPKA CENTERLINE DEVELOPMENT, LLC, KS APOPKA CENTERLINE DEVELOPMENT, LLC, DRP FL, LLC, AG EHC II (LEN) MULTISTATE 1, LLC, AND RIDGE 429 OWNER, LLC; PROVIDING FOR DIRECTIONS TO THE COMMUNITY DEVELOPMENT DIRECTOR, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, Vanasse Hangen Brustlin, Inc. has requested to amend Ordinance No. 2858; and

WHEREAS, the proposed Planned Development (PD) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Council of the City of Apopka, Florida, as follows:

SECTION I: That the zoning classification of the following described property be designated as Planned Development (PD), as defined in the Apopka Land Development Code, and with the following development standards and provisions, and subject to the following zoning provisions:

A. Development of the property shall occur consistent with the Master Plan/Major Development Plan set forth in Exhibit "B". Where any development standard conflicts between the Master Plan/Major Development Plan and the Land Development Code, the Master Plan/Major Development Plan shall preside. Any proposed revision to the Master Plan/Major Development Plan shall be evaluated and processed pursuant to the Land Development Code

B. A PD Agreement prepared in accordance with LDC Section 3.7.2.F.2 shall be approved by the City Council.

C. The uses permitted and prohibited within the PD District are those noted on the Master Plan and PD Agreement.

D. If a Plat associated with the PD district has not been approved by the City within three

years after approval of these Master Plan/Major Development Plan provisions, the approval of the Master Plan/Major Development Plan provisions will expire. At such time, the City Council may:

1. Permit a single six-month extension for submittal of the required Minor or Major Development Plan;

2. Allow the PD zoning designation to remain on the property pending resubmittal of new Master Plan provisions and any conditions of approval; or

3. Rezone the property to a more appropriate zoning classification.

SECTION II: That the zoning classification of the following described Property, attached hereto as Exhibit A and incorporated herein, being situated in the City of Apopka, Florida, is hereby PD as defined in the Apopka Land Development Code.

SECTION III: AUTHORITY OF COMMUNITY DEVELOPMENT DIRECTOR. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

SECTION IV: SEVERABILITY. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

SECTION V: That this Ordinance shall take effect upon the effective date of Ordinance No. 2938.

READ FIRST TIME: July 6, 2022

READ SECOND TIME
AND ADOPTED: July 27, 2022

Bryan Nelson, Mayor

ATTEST:

Susan Bone, City Clerk

EXHIBIT "A" LEGAL DESCRIPTION

N1/2 OF SW1/4 LYING WLY OF BOY SCOUT RD & SE1/4 OF SW1/4 LYING WLY OF BOY SCOUT RD (LESS THAT PT LYING SOUTHEAST OF OCOEE-APOPKA RD CR437A) & THAT PT OF W1/2 OF SE1/4 LYING SWLY OF BOY SCOUT RD & NWLY OF OCOEE APOPKA RD ALL IN SEC 17-21-28 (LESS 24.70 AC DESC AS BEG 144 FT W OF 1/4 SEC POST ON S SEC LINE 15 FT W OF CTR OF R/W TH RUN W 17 CHS & 82 LKS (1176.12 FT) N 15 CHS & 10 LKS (996.60 FT) S 75 DEG E 21 CHS & 55 LKS (1386 FT) TO A PT 15 FT W OF CTR OF R/W TH SLY ALONG R/W TO POB & LESS BEG 42.50 FT E OF E LINE OF NW 1/4 OF SW1/4 ON S R/W BOY SCOUT RD TH RUN W 294.30 FT S 722 FT S 83 DEG E 296.12 FT N 758.35 FT TO POB) & (LESS PT OF SE1/4 & SW1/4 OF SEC 17-21-28 DESC AS COMM S1/4 COR OF SAID SEC 17-21-28 TH N07-19-56E TO A PT ON WLY R/W OF OCOEE APOPKA RD FOR POB TH RUN NELY ALONG SAID NLY R/W ALONG A CURVE CONCAVE SELY W/ RAD OF 948 FT & CHORD BEARING OF N26-13-56E THROUGH CENT ANG OF 11-35-09 FOR 191.70 FT TH N75-44-09W 278 FT S57-12-05W 100.86 FT S10-59-06W 134.01 FT S79-38-16E 300.05 FT TO POB) & (LESS COMM AT NE COR OF SE1/4 OF SEC 10-21-28 TH S0-0-38E 33 FT TO POB TH N89-43-16E 1345.54 FT TH N0-22-8E 3 FT TH N89-43-16E 691.45 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 282.1 FT CENTRAL ANGLE OF 65-18-17 CHORD BRG AND DISTANCE OF S57-37-34E 304.41 FT TH SELY ALONG CURVE AN ARC LENGTH OF 321.53 FT TO NON-TANGENT POINT TH S24-58-39E 241.59 FT TH S61-2-34W 300.88 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SELY W/ RADIUS OF 505 FT CENTRAL ANGLE OF 42-32-33 CHORD BRG AND DISTANCE OF S39-46-17W 366.41 FT TH SWLY ALONG CURVE 374.97 FT TO POINT OF TANGENCY TH S18-30-4W 34.88 FT TH S50-22-51W 66.34 FT TH S80-59-34W 127.19 FT TH N22-27-50W 167.34 FT TH S71-32-9W 34.37 FT TH N69-38-20W 144.79 FT TH N85-25-10W 268.38 FT TH N83-27-57W 130.71 FT TH N45-36-26W 203.03 FT TH N89-53-27W 536.22 FT TH S71-9-55W 261.11 FT TH S60-11-31W 79.12 FT TH S28-41-4W 73.35 FT TH S0-3-18W 238.05 FT TO A NON-TANGENT POINT OF A CURVE CONCAVE SWLY W/ RADIUS OF 544.5 FT CENTRAL ANGLE OF 18-33-50 CHORD BRG AND DISTANCE OF N79-40-53W 175.65 FT TH NWLY ALONG CURVE 176.42 FT TO POINT OF TANGENCY TH N88-57-48W 403.65 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30065 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG OF N89-28-20W 533.99 FT TH NWLY TH NWLY ALONG CURVE 534 FT TO POINT OF TANGENCY TH N89-58-51W 158.91 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 25 FT CENTRAL ANGLE OF 90-32-40 CHORD BRG AND DISTANCE OF N44-42-31W 35.52 FT TH NWLY ALONG CURVE 39.51 FT TO POINT OF TANGENCY TH N0-33-49E 875.71 FT TH S89-58-43E 1237.18 FT TO POB PER DOC 20210770391) & (LESS BEG AT SE COR OF SEC 18-21-28 TH S89-54-44W 936.11 FT TH N43-34-16W 104.56 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 14808 FT CENTRAL ANGLE OF 1-44-52 CHORD BRG AND DISTANCE OF N44-26-42W 451.72 FT TH NWLY ALONG CURVE 451.74 FT TO NON-TANGENT POINT TH N0-34-36E 265.35 FT TH S89-57-37W 241.66 FT TH N42-1-40W 447.1 FT TH N89-59-5E 544.34 FT TH N0-34-36E 659.61 FT TH S89-58-51E 249.44 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30000 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG AND DISTANCE OF S89-28-20E 532.84 FT TH ELY ALONG CURVE 532.85 FT TO POINT

OF TANGENCY TH S88-57-48E 403.65 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 479.5 FT CENTRAL ANGLE OF 42-36-6 CHORD BRG AND DISTANCE OF S67-39-45E 348.37 FT TH SELY ALONG CURVE 356.53 FT TO POINT OF TANGENCY TH S46-21-42E 656.86 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 817.5 FT CENTRAL ANGLE OF 27-12-51 CHORD BRG AND DISTANCE OF S59-58-7E 384.65 FT TH SELY ALONG CURVE 388.29 FT TO NON-TANGENT POINT TH S30-35-/8W 135.56 FT TH S0-0-19W 746.69 FT TH N89-59-43W 935.59 FT TO POB PER DOC 20210774114)

AND

SW1/4 OF SW1/4 & W 400 FT OF BEG 144 FT W OF SE COR OF SW1/4 OF SEC 17-21-28 RUN W TO SW COR OF SE1/4 OF SW1/4 OF SEC N 996.6 FT S 75 DEG E 1419 FT TO PT 15 FT W OF ROAD SWLY TO BEG & E1/2 OF SE1/4 OF SE1/4 OF SEC 18-21-28 & (LESS BEG AT SE COR OF SEC 18-21-28 TH S89-54-44W 936.11 FT TH N43-34-16W 104.56 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 14808 FT CENTRAL ANGLE OF 1-44-52 CHORD BRG AND DISTANCE OF N44-26-42W 451.72 FT TH NWLY ALONG CURVE 451.74 FT TO NON-TANGENT POINT TH N0-34-36E 265.35 FT TH S89-57-37W 241.66 FT TH N42-1-40W 447.1 FT TH N89-59-5E 544.34 FT TH N0-34-36E 659.61 FT TH S89-58-51E 249.44 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30000 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG AND DISTANCE OF S89-28-20E 532.84 FT TH ELY ALONG CURVE 532.85 FT TO POINT OF TANGENCY TH S88-57-48E 403.65 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 479.5 FT CENTRAL ANGLE OF 42-36-6 CHORD BRG AND DISTANCE OF S67-39-45E 348.37 FT TH SELY ALONG CURVE 356.53 FT TO POINT OF TANGENCY TH S46-21-42E 656.86 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 817.5 FT CENTRAL ANGLE OF 27-12-51 CHORD BRG AND DISTANCE OF S59-58-7E 384.65 FT TH SELY ALONG CURVE 388.29 FT TO NON-TANGENT POINT TH S30-35-/8W 135.56 FT TH S0-0-19W 746.69 FT TH N89-59-43W 935.59 FT TO POB PER DOC 20210774114)

AND

NE 1/4 OF SW1/4 LYING NELY OF BOY SCOUT RD & NW1/4 OF SE1/4 LYING NELY OF BOY SCOUT RD & NWLY OF OCOEE APOPKA RD LYING ELY & SELY OF FOLLOWING DESC C0MM SW COR OF NW 1/4 OF SEC 17-21-28 RUN N 89 DEG E ALONG S LINE OF NW 1/4 2530.84 FT TO POB TH RUN NELY ALONG CURVE CONCAVE ELY 54.21 FT N 30 DEG W 13.58 FT N 1 DEG E 88.67 FT N 17 DEG E 70.98 FT N 24 DEG E 163.85 FT TO POC RUN NELY ALONG CURVE CONCAVE SELY 157.91 FT S 00 DEG W 162.97 FT TO PT ON CURVE TH RUN SWLY ALONG CURVE CONCAVE TO SE 50.4 FT S 17 DEG W 149.75 FT TO POC TH RUN SLY ALONG CURVE CONCAVE ELY 177.18 FT S 36 DEG E 153.53 FT SLY ALONG CURVE 94.19 FT S 19 DEG W 74.95 FT S 36 DEG W 90.6 FT S 61 DEG W 173.78 FT S 16 DEG W 30.94 FT TO PT ON THE NELY R/W LINE OF BOY SCOUT RD N 24 DEG W ALONG SAID R/W 141.31 FT S 73 DEG E 34.6 FT N 61 DEG E 111.6 FT TO POC TH RUN ALONG CURVE CONCAVE NWLY 114.05 FT N 65 DEG W 11.39 FT N 19 DEG W 16.4 FT N 15 DEG E 12.59 FT N 61 DEG E 2 FT N

28 DEG W 76.12 FT TO POC TH RUN NWLY & NELY ALONG CURVE CONCAVE ELY 135.77 FT TO POB

AND

SE 1/4 OF SW 1/4 LYING SOUTHEAST OF OCOEE APOPKA RD CR 437A 5650/1021.

AND

COMM AT NE COR OF NW1/4 OF SW1/4 OF SEC 17-21-28 TH S0-22-9W 726.09 FT TO POB TH S85-25-10E 42.62 FT TH S0-22-7W 58.65 FT TH N83-14-8W 296.12 FT TH N0-22-7E 51.51 FT TH S83-27-57E 122.2 FT TH S85-25-10E 130.64 FT TO POB.

AND

W1/2 OF SW1/4 OF NW1/4 (LESS W 433 FT OF S 220 FT) & BEG SW COR OF S1/2 OF E1/2 OF SW1/4 OF NW1/4 RUN N 668.54 FT E 15 FT S 10 FT W 3 FT S TO PT E OF BEG W TO POB (LESS S 30 FT FOR RD) IN SEC 17-21-28

AND

N1/2 OF E1/2 OF SW1/4 OF NW1/4 OF SEC 17-21-28

AND

THE SE1/4 OF NW1/4 & THE E 25 FT OF S 340 FT OF SW1/4 OF NW1/4 (LESS RD R/W ON SOUTH) & (LESS THAT PART LYING WITHIN DESC IN OR 7337/4340 & LESS THAT PART LYING E OF SAID DESC) & THE NE1/4 OF SW1/4 LYING NELY OF BOY SCOUT RD & PORTION LYING NWLY OF FOLLOWING DESCRIBED LINE COMM SW COR OF NW 1/4 RUN N 89 DEG E 2530.84 FT TH RUN SELY ALONG CURVE CONCAVE NELY 135.77 FT S 28 DEG E 78.12 FT TH SELY & SWLY ALONG CURVE CONCAVE NW 149.23 FT S 61 DEG W 111.6 FT N 73 DEG W 34.6 FT TO TERMINATION ALL IN SEC 17-21-28

AND.

PT OF SE1/4 & SW1/4 OF SEC 17-21-28 DESC AS COMM S1/4 COR OF SAID SEC 17-21-28 TH N07-19-56E TO A PT ON WLY R/W OF OCOEE APOPKA RD FOR POB TH RUN NELY ALONG SAID NLY R/W ALONG A CURVE CONCAVE SELY W/ RAD OF 948 FT & CHORD BEARING OF N26-13-56E THROUGH CENT ANG OF 11-35-09 FOR 191.70 FT TH N75-44-09W 278 FT S57-12-05W 100.86 FT S10-59-06W 134.01 FT S79-38-16E 300.05 FT TO POB

AND

BEG AT INTERSECTION OF S LINE OF BOY SCOUT RD W/ A LINE 42.5 FT EAST OF EAST LINE OF NW1/4 OF SW1/4 OF SEC 17-21-28 TH S89-43-32W 294.3 TH S0-22-48W 722 FT TH S83-13-27E 296.12 FT TH N0-22-48E 758.35 FT TO POB (LESS COMM AT NE COR OF NW1/4 OF SW1/4 OF SEC 17-21-28 TH S0-22-9W 726.09 FT TO POB TH S85-25-10E 42.62 FT TH S0-22-7W 58.65 FT TH N83-14-8W 296.12 FT TH N0-22-7E 51.51 FT TH S83-27-57E 122.2 FT TH S85-25-10E 130.64 FT TO POB)

AND

NE1/4 OF SE1/4 (LESS N 33 FT FOR RD) & BEG 330 FT N OF SW COR OF NW1/4 OF SE1/4 SEC RUN N 330 FT E 1320 FT S 330 FT W 1320 FT TO POB LESS R/W PER DB 770/209 IN SEC 18-21-28 (LESS SW COR TAKEN FOR R/W PER 9046/4349) & (LESS COMM AT NE COR OF SE1/4 OF SEC 10-21-28 TH S0-0-38E 33 FT TO POB TH N89-43-16E 1345.54 FT TH N0-22-8E 3 FT TH N89-43-16E 691.45 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 282.1 FT CENTRAL ANGLE OF 65-18-17 CHORD BRG AND DISTANCE OF S57-37-34E 304.41 FT TH SELY ALONG CURVE AN ARC LENGTH OF 321.53 FT TO NON-TANGENT POINT TH S24-58-39E 241.59 FT TH S61-2-34W 300.88 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SELY W/ RADIUS OF 505 FT CENTRAL ANGLE OF 42-32-33 CHORD BRG AND DISTANCE OF S39-46-17W 366.41 FT TH SWLY ALONG CURVE 374.97 FT TO POINT OF TANGENCY TH S18-30-4W 34.88 FT TH S50-22-51W 66.34 FT TH S80-59-34W 127.19 FT TH N22-27-50W 167.34 FT TH S71-32-9W 34.37 FT TH N69-38-20W 144.79 FT TH N85-25-10W 268.38 FT TH N83-27-57W 130.71 FT TH N45-36-26W 203.03 FT TH N89-53-27W 536.22 FT TH S71-9-55W 261.11 FT TH S60-11-31W 79.12 FT TH S28-41-4W 73.35 FT TH S0-3-18W 238.05 FT TO A NON-TANGENT POINT OF A CURVE CONCAVE SWLY W/ RADIUS OF 544.5 FT CENTRAL ANGLE OF 18-33-50 CHORD BRG AND DISTANCE OF N79-40-53W 175.65 FT TH NWLY ALONG CURVE 176.42 FT TO POINT OF TANGENCY TH N88-57-48W 403.65 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30065 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG OF N89-28-20W 533.99 FT TH NWLY TH NWLY ALONG CURVE 534 FT TO POINT OF TANGENCY TH N89-58-51W 158.91 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 25 FT CENTRAL ANGLE OF 90-32-40 CHORD BRG AND DISTANCE OF N44-42-31W 35.52 FT TH NWLY ALONG CURVE 39.51 FT TO POINT OF TANGENCY TH N0-33-49E 875.71 FT TH S89-58-43E 1237.18 FT TO POB PER DOC 20210770391) & (LESS BEG AT SE COR OF SEC 18-21-28 TH S89-54-44W 936.11 FT TH N43-34-16W 104.56 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 14808 FT CENTRAL ANGLE OF 1-44-52 CHORD BRG AND DISTANCE OF N44-26-42W 451.72 FT TH NWLY ALONG CURVE 451.74 FT TO NON-TANGENT POINT TH N0-34-36E 265.35 FT TH S89-57-37W 241.66 FT TH N42-1-40W 447.1 FT TH N89-59-5E 544.34 FT TH N0-34-36E 659.61 FT TH S89-58-51E 249.44 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30000 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG AND DISTANCE OF S89-28-20E 532.84 FT TH ELY ALONG CURVE 532.85 FT TO POINT OF TANGENCY TH S88-57-48E 403.65 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 479.5 FT CENTRAL ANGLE OF 42-36-6 CHORD BRG AND DISTANCE OF S67-39-45E 348.37 FT TH SELY ALONG CURVE 356.53 FT TO POINT OF TANGENCY TH S46-21-42E 656.86 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 817.5 FT CENTRAL ANGLE OF 27-12-51 CHORD BRG AND DISTANCE OF S59-58-7E 384.65 FT TH SELY ALONG CURVE 388.29 FT TO NON-TANGENT POINT TH S30-35-/8W 135.56 FT TH S0-0-19W 746.69 FT TH N89-59-43W 935.59 FT TO POB PER DOC 20210774114)

AND

N1/2 OF NW 1/4 OF SE 1/4 (LESS N 33 FT FOR R/W) & TH PORTION OF N 1/2 N1/2 OF

GOV LOT 2 SEC 18-21-28 LYING E OF BINION RD A/K/A CR 437 (LESS N 330 FT) IN SEC 18-21-28

AND

BEG AT SE COR OF SEC 18-21-28 TH S89-54-44W 936.11 FT TH N43-34-16W 104.56 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 14808 FT CENTRAL ANGLE OF 1-44-52 CHORD BRG AND DISTANCE OF N44-26-42W 451.72 FT TH NWLY ALONG CURVE 451.74 FT TO NON-TANGENT POINT TH N0-34-36E 265.35 FT TH S89-57-37W 241.66 FT TH N42-1-40W 447.1 FT TH N89-59-5E 544.34 FT TH N0-34-36E 659.61 FT TH S89-58-51E 249.44 FT TO POINT OF CURVATURE OF A CURVE CONCAVE SLY W/ RADIUS OF 30000 FT CENTRAL ANGLE OF 1-1-4 CHORD BRG AND DISTANCE OF S89-28-20E 532.84 FT TH ELY ALONG CURVE 532.85 FT TO POINT OF TANGENCY TH S88-57-48E 403.65 FT TO THE POINT OF CURVATURE OF A CURVE CONCAVE SWLY W/ RADIUS OF 479.5 FT CENTRAL ANGLE OF 42-36-6 CHORD BRG AND DISTANCE OF S67-39-45E 348.37 FT TH SELY ALONG CURVE 356.53 FT TO POINT OF TANGENCY TH S46-21-42E 656.86 FT TO POINT OF CURVATURE OF A CURVE CONCAVE NELY W/ RADIUS OF 817.5 FT CENTRAL ANGLE OF 27-12-51 CHORD BRG AND DISTANCE OF S59-58-7E 384.65 FT TH SELY ALONG CURVE 388.29 FT TO NON-TANGENT POINT TH S30-35-/8W 135.56 FT TH S0-0-19W 746.69 FT TH N89-59-43W 935.59 FT TO POB

AND

DOC 20220056728 - ERROR IN LEGAL - S1/4 OF NW1/4 OF SE1/4 & N1/4 OF SW1/4 OF SE1/4 (LESS R/W ON W) SEE 5225/3866 COMM SW COR OF SE1/4 OF SEC 18-21-28 TH N01-08-13E 1661.23 FT N89-58-37E 3.79 FT S00-13-55W 434.61 FOR POB TH S46-26-53E 217.98 FT S43-22-53E 109.16 FT S89-56-56W 233.89 FT N00-13-55E 229.74 FT TO POB

AND

COMM SW COR OF SE1/4 OF SEC 18-21-28 TH N01-08-13E 1661.23 FT N89-58-37E 3.79 FT E R/W LINE OF CR437 S00-13-55W 664.35 FOR POB TH N89-56-56E 233.89 FT S39-14-46E 184.80 FT S41-31-16E 150 FT S89-56-05W 510.20 FT TO A POINT ON A NON-TAN CURVE NELY 115.30 FT ALONG THE ARC OF A CURVE CONCAVE SWLY W/RAD 915.37 CENT ANG 07-13-10 TH N00-13-55E 217.14 TO POB

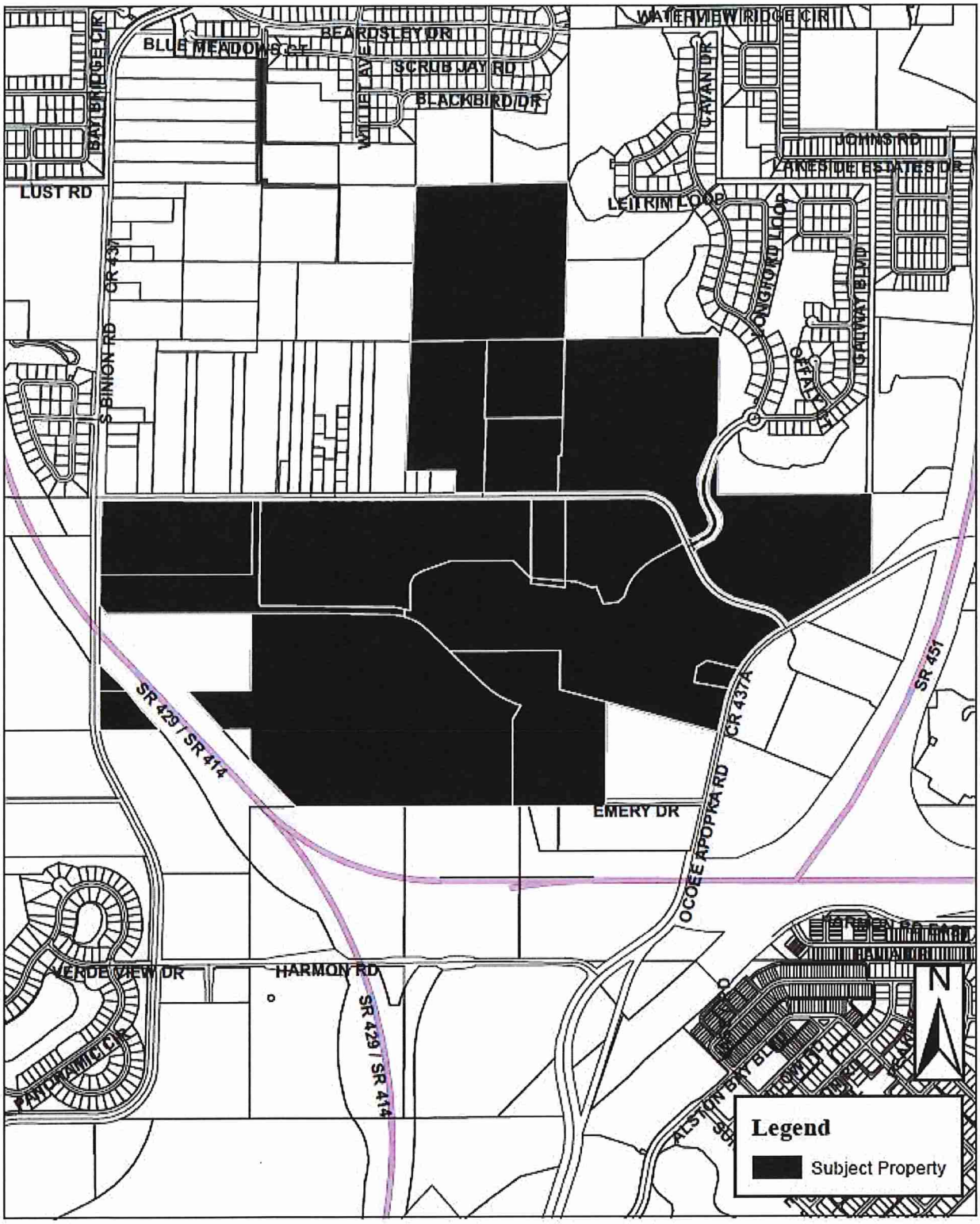
AND

PORTION OF N 330 FT OF GOV LOT 2 LYING EAST OF EAST R/W LINE OF BINION RD IN SEC 18-21-28

Parcel Identification Numbers: 17-21-28-0000-00-007, 17-21-28-0000-00-008, 17-21-28-0000-00- 012, 17-21-28-0000-00-013, 17-21-28-0000-00-015, 17-21-28-0000-00-017, 17-21-28-0000-00-018, 17-21-28-0000-00-023, 17-21-28-0000-00-028, 17-21-28-0000-00-030, 18-21-28-0000-00-013, 18-21-28-0000-00-014, 18-21-28-0000-00-032, 18-21-28-0000-00-047, 18-21-28-0000-00-073, 18-21-28-0000-00-102

Total acreage: 407.8 +/- acres

Exhibit "B"


WATERVIEW RIDGE CIR
BEARDSLEY DR
BLUE MEADOWS CT
SCRUB JAY RD
BLACKBIRD DR
WILLIE LAVE
BAY BRIDGE CIR
CAVAN DR
JOHNS RD
LAKESIDE ESTATES DR
LUST RD
LEITRIM LOOP
LONGFORD LOOP
GALWAY BLVD
OFFALY CT
CR 437
S BINION RD
SR 429 / SR 414
CR 437A
SR 451
EMERY DR
OCOEE APOPKA RD
VERDE VIEW DR
HARMON RD
PANORAMIC CIR
ALSTON BAY BLVD
N
Legend
Subject Property

ORDINANCE NO. 2858

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY ESTATE), C-C (COMMUNITY COMMERCIAL) AND MU-ES-GT (MIXED-USE-EAST-SHORE-GATEWAY) DISTRICT TO PD (PLANNED DEVELOPMENT), FOR CERTAIN REAL PROPERTY GENERALLY LOCATED NORTH AND SOUTH OF BOY SCOUT ROAD, WEST OF SR 451 AND EAST OF BINION ROAD, OWNED BY TROY S. BRONSON FAMILY LP, JOHN AND DONNA MARIE KIRKLAND, BINION PARTNERS, LLC, AND APOPKA CENTERLINE DEVELOPMENT, LLC; COMPRISING 366.6 ACRES; PROVIDING FOR DIRECTIONS TO THE COMMUNITY DEVELOPMENT DIRECTOR, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, VHB c/o John Prowell has requested a change in zoning on said property as identified in Section II of this ordinance; and

WHEREAS, the proposed Planned Development (PD) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Council of the City of Apopka, Florida, as follows:

SECTION I: That the zoning classification of the following described property be designated as Planned Development (PD), as defined in the Apopka Land Development Code, and with the following development standards and provisions, and subject to the following zoning provisions:

A. Development of the property shall occur consistent with the Master Plan set forth in Exhibit "B". Where any development standard conflicts between the Master Plan and the Land Development Code, the Master Plan shall preside. Any proposed revision to the Master Plan shall be evaluated and processed pursuant to the Land Development Code

B. A PD Agreement prepared in accordance with LDC Section 3.7.2.F.2 shall be approved by the City Council.

C. The uses permitted and prohibited within the PD District are those noted on the Master Plan and PD Agreement.

D. If a Plat associated with the PD district has not been approved by the City within three years after approval of these Master Plan, the approval of the Master Plan provisions will

expire. At such time, the City Council may:

1. Permit a single six-month extension for submittal of the required Minor or Major Development Plan;

2. Allow the PD zoning designation to remain on the property pending resubmittal of new Master Plan provisions and any conditions of approval; or

3. Rezone the property to an appropriate zoning classification.

SECTION II: That the zoning classification of the following described Property, attached hereto as Exhibit A and incorporated herein, being situated in the City of Apopka, Florida, is hereby PD as defined in the Apopka Land Development Code.

SECTION III: AUTHORITY OF COMMUNITY DEVELOPMENT DIRECTOR. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

SECTION IV: SEVERABILITY. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

SECTION V: That this Ordinance shall take effect adoption.

READ FIRST TIME: July 7, 2021

READ SECOND TIME
AND ADOPTED: July 21, 2021

Bryan Nelson, Mayor

ATTEST:

Susan M. Bone, City Clerk

APPROVED AS TO FORM

Michael A. Rodríguez, City Attorney

DULY ADVERTISED FOR PUBLIC HEARING: May 21, 2021 and May 28, 2021

EXHIBIT "A"

Change of Zoning – The Ridge
366.6 +/- Acres
From RSF-1A, C-C and MU-ES-GT
To: PD
Parcel ID #s: 17-21-28-0000-00-013, 28-21-18-0000-00-032, 28-21-17-0000-00-007, 28-21-17-0000-00-015, 28-21-17-0000-00-008, 28-21-17-0000-00-028, 28-21-17-0000-00-030, 28-21-18-0000-00-014, 28-21-17-0000-00-017, 28-21-17-0000-00-006, 28-21-17-0000-00-018, 28-21-17-0000-00-023, 28-21-17-0000-00-012, and 28-21-18-0000-00-007

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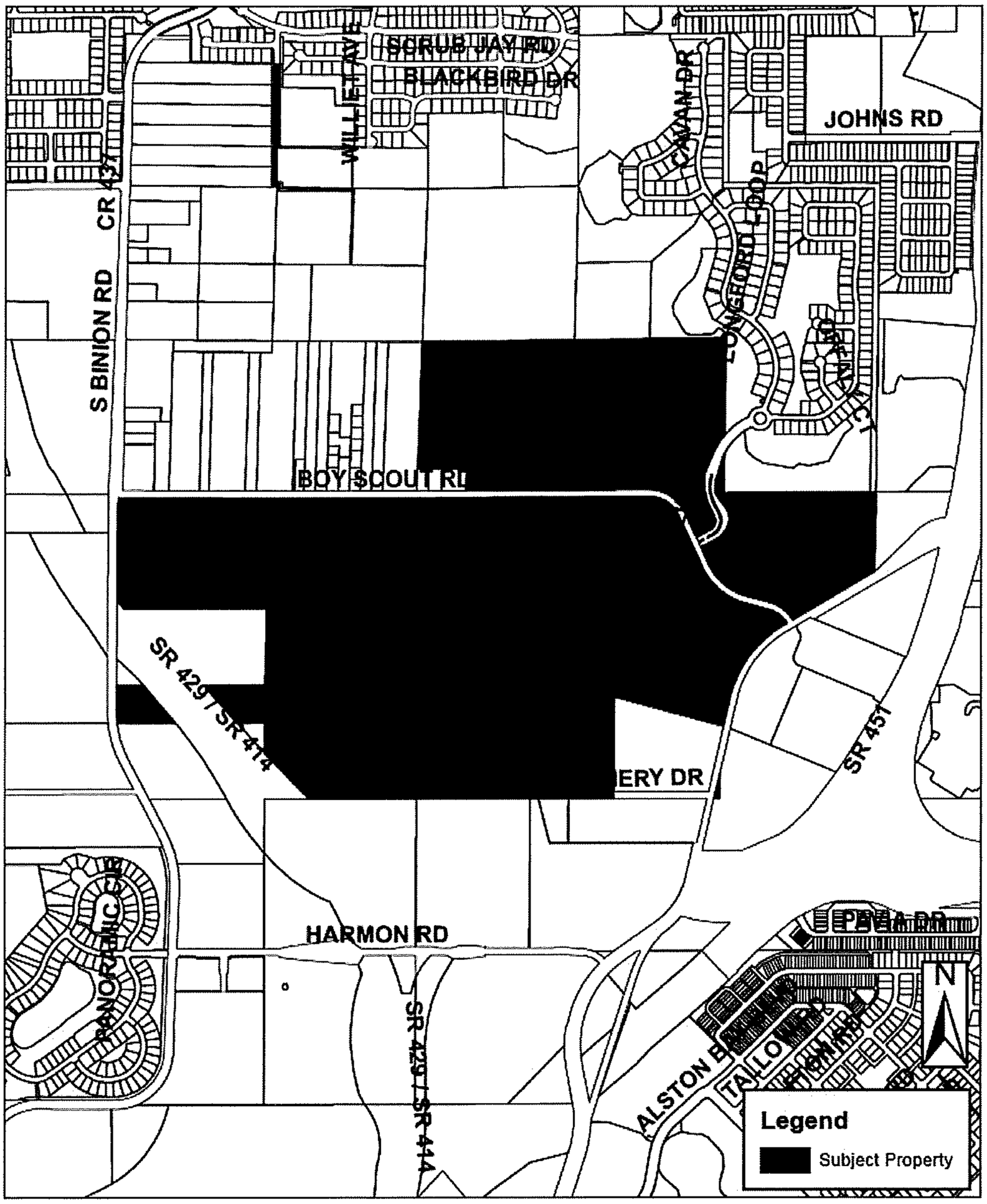

Planned Development Master Plan

Issued for	PD Zoning Approval
Date Issued	July 21, 2021
Latest Issue	April 18, 2022

The Ridge PD

City of Apopka, Florida

Parcel IDs:

17-21-28-0000-00-003, 17-21-28-0000-00-006,
17-21-28-0000-00-007, 17-21-28-0000-00-008,
17-21-28-0000-00-012, 17-21-28-0000-00-013,
17-21-28-0000-00-015, 17-21-28-0000-00-017,
17-21-28-0000-00-018, 17-21-28-0000-00-023,
17-21-28-0000-00-028, 17-21-28-0000-00-030,
18-21-28-0000-00-013, 18-21-28-0000-00-014,
18-21-28-0000-00-032, 18-21-28-0000-00-047,
18-21-28-0000-00-073, 18-21-28-0000-00-102



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Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

Owner

KS Apopka Centerline Development LLC
15481 SW 12th Street
Suite 309
Sunrise, Florida 33326

Apopka Centerline Development LLC
15481 SW 12th Street
Suite 309
Sunrise, Florida 33326

Applicant

Apopka Centerline Development LLC
15481 SW 12th Street
Suite 309
Sunrise, Florida 33326

Sheet Index

No.	Drawing Title	Latest Issue
C-1 - C-3	Existing Conditions	March 8, 2022
C-4	Master Site Plan	April 18, 2022
C-5	Typical Sections	April 18, 2022
C-6	Site Data & Details	April 18, 2022
C-7	Drainage & Utilities Plan	April 18, 2022
C-8	Phasing Plan	March 8, 2022

Reference Drawings

No.	Drawing Title	Latest Issue
Shts. 1-11	ALTA/NSPS Land Title Boundary, Topographic & Tree Survey	February 2, 2021

Community Planner & Civil Engineer
VHB
225 E. Robinson Street
Suite 300
Orlando, Florida 32801
P 407·839·4006 - 407·839·4008

Surveyor
VHB
225 E. Robinson Street
Suite 300
Orlando, Florida 32801
P 407·839·4006 - 407·839·4008

Geotech
DEVO Engineering
5500 Alhambra Drive
Orlando, Florida 32808
P 407·290·2371

Allen & Company
16 E. Plant Street
Winter Garden, Florida 34787
P 407·654·5355

Environmental
Bio-Tech Consulting Inc.
3025 E. South Street
Orlando, Florida 32803
P 407·894·5969 - 407·894·5970

Land Use Attorney
Gray Robinson P.A.
301 E. Pine Street
Suite 1400
Orlando, Florida 32801
P 407·843·8880

\\VHB.COM\GBL\PROJ\ORLANDO\63534.00 CENTERLINE-BRONSON SITE\CAD\LD\PLANSET\PD\63534.00-PD-COV 14 July 2022

63534.00
PD Zoning Approval
VHB Project :
Issued for :

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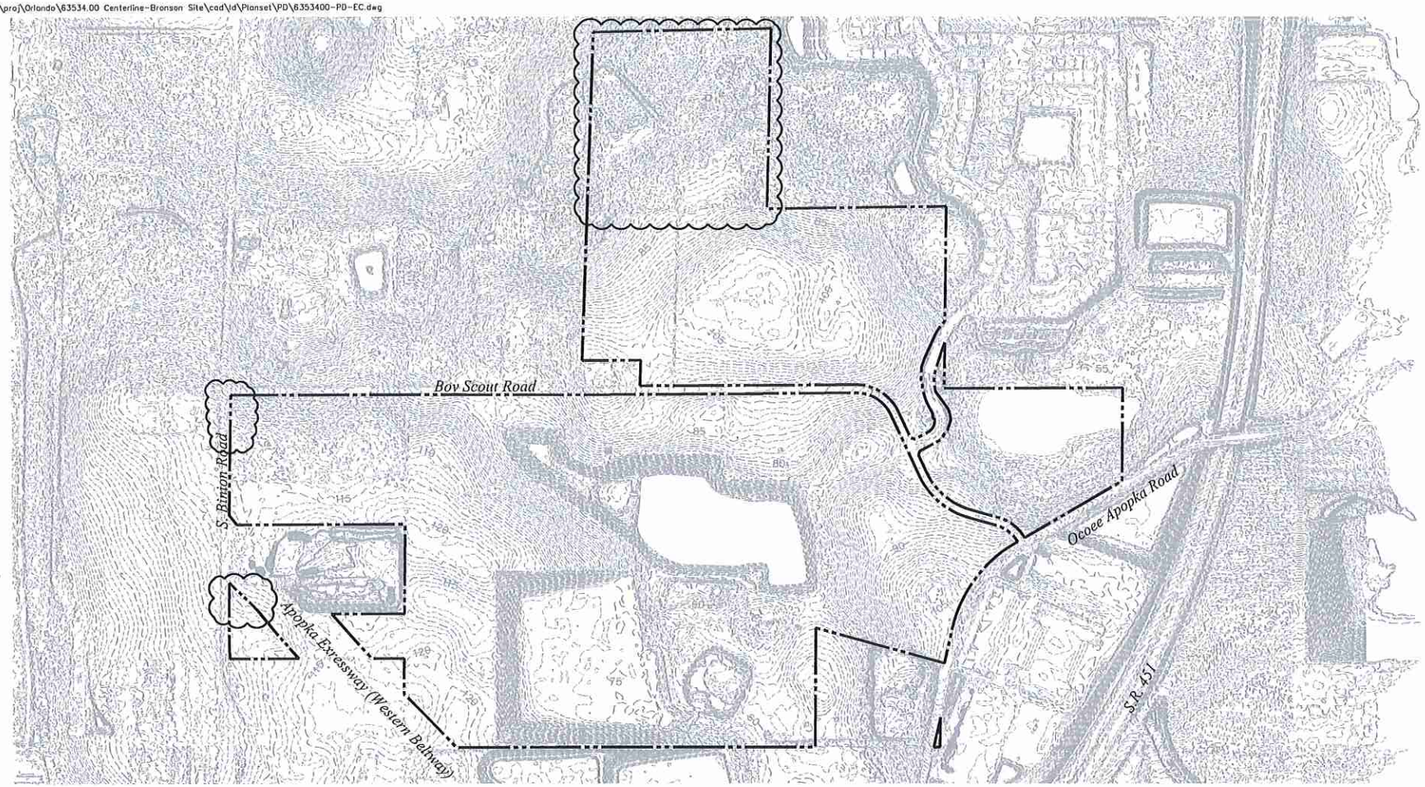


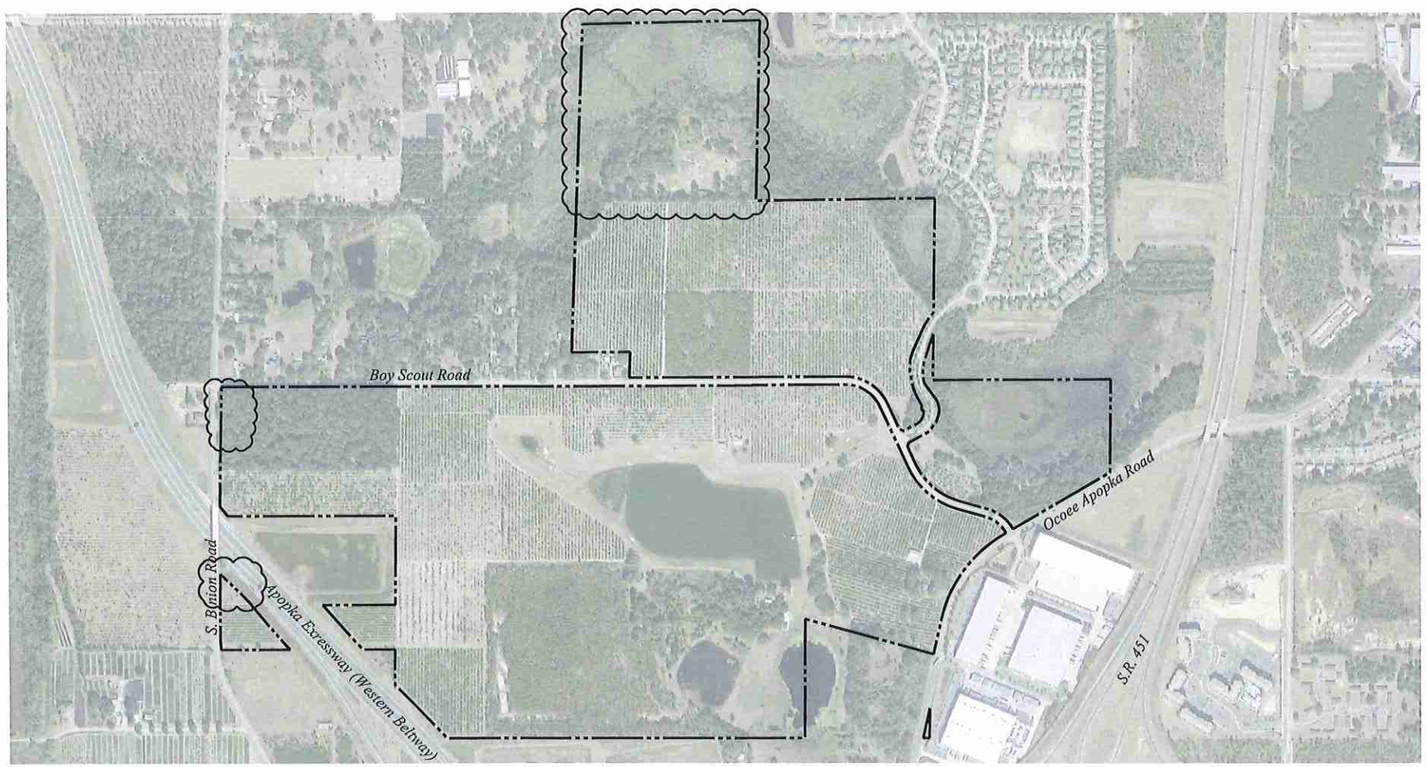
TOPOGRAPHY MAP
(NAVD 88)

CONTOUR SOURCE: ORANGE COUNTY GIS, 2014

LEGEND

PROJECT BOUNDARY

TOPOGRAPHIC CONTOUR



AERIAL MAP

AERIAL SOURCE: ORANGE COUNTY, 2018

LEGEND

PROJECT BOUNDARY

0 250 500 1,000 Feet

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Number FL #3932

The Ridge PD

Apopka, Florida

No.	Revision	Date	Appvd.
1	Revised per City comment	02/15/2021	
2	Revised per City comment	03/08/2021	
3	Revised per DRC Comments Dated March 8,2021	04/26/2021	
4	PD Amendment	03/08/2022	

Designed by EH | Checked by EH

Issued for | Date March 8, 2022

Vertical Datum NAVD 1988

Drawing Title

Existing Conditions

Drawing Number

C-1

Sheet of

DATE: Mar. 08, 2022

Project Number 63534.00

Saved Monday, March 7, 2022 2:59:47 PM, GZHENG Plotted Tuesday, March 8, 2022 11:54:57 AM Grace Zheng

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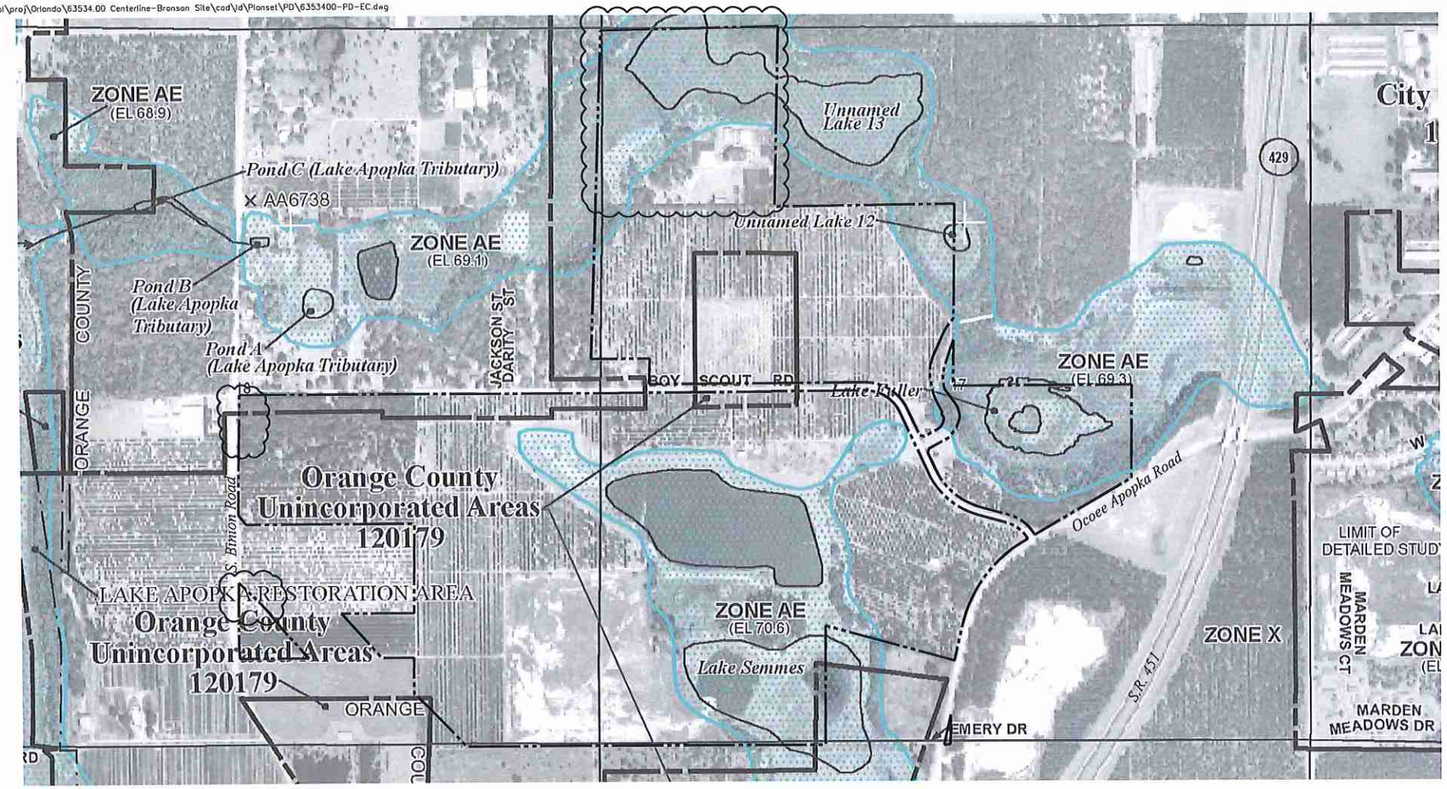

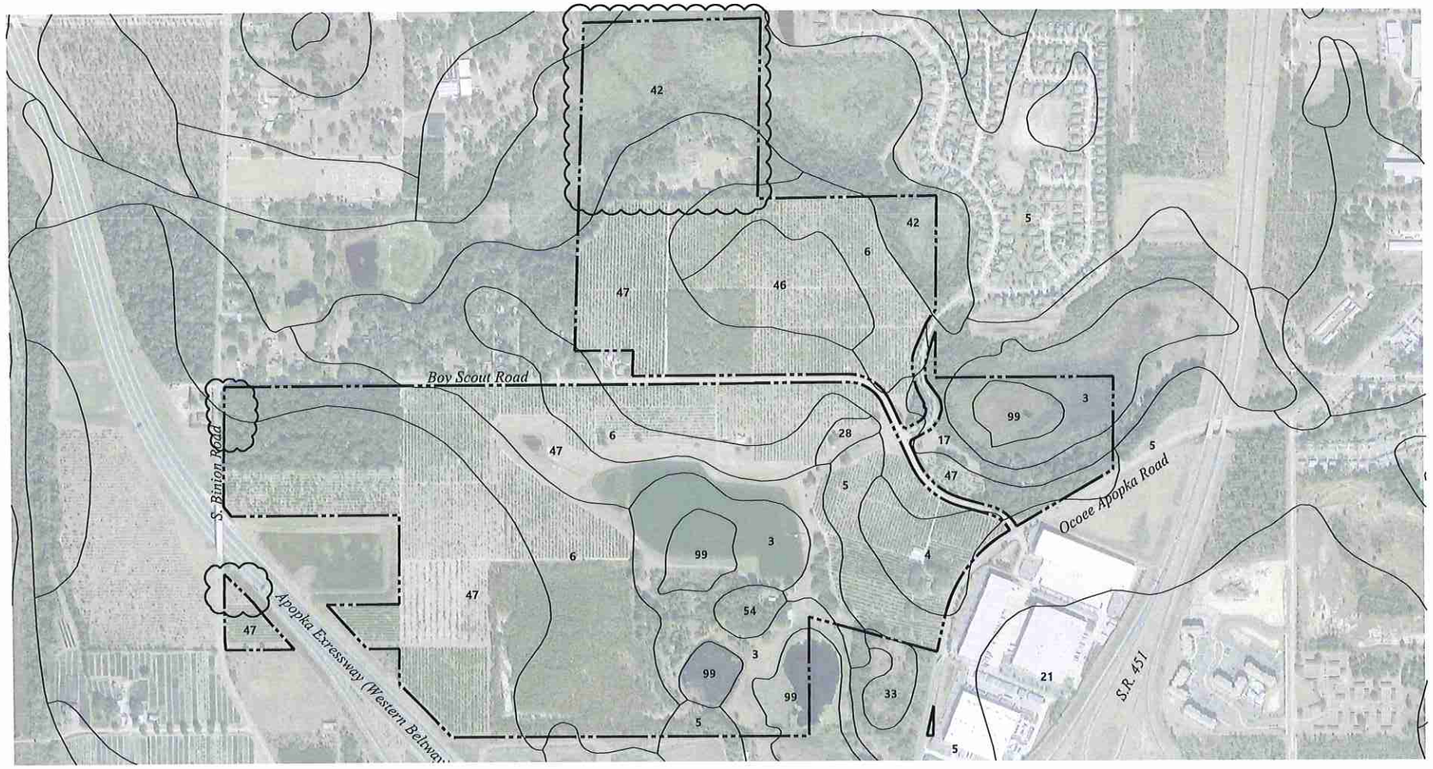

FLOODPLAIN MAP

FEMA MAP SERVICE CENTER, FIRM PANEL 12095C0120F, DATED SEPTEMBER 25, 2009

LEGEND

- PROJECT BOUNDARY
- SPECIAL FLOOD HAZARD AREA

FIRM PANEL LEGEND

ZONE A	NO BASE FLOOD ELEVATIONS DETERMINED
ZONE AE	BASE FLOOD ELEVATIONS DETERMINED SPECIAL FLOOD HAZARD AREAS SUBJECT TO INNUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT
ZONE X	AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

SOILS MAP

SOILS SOURCE: USDA, NRCS

LEGEND

- PROJECT BOUNDARY
- SOILS BOUNDARY

SOIL CODE	DESCRIPTION
3	BASINGER FINE SAND, DEPRESSIONAL
4	CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES
5	CANDLER FINE SAND, 5 TO 12 PERCENT SLOPES
6	CANDLER-APOPKA FINE SAND, 5 TO 12 PERCENT SLOPES
17	FLORIDANA MUCKY FINE SAND, DEPRESSIONAL
21	LAKE FINE SAND, 0 TO 5 PERCENT SLOPES
28	FLORAHOME FINE SAND, 1 TO 5 PERCENT SLOPES
33	PITS
42	SANIBEL MUCK
46	TAVARES FINE SAND, 0 TO 5 PERCENT SLOPES
47	TAVARES-MILLHOPPER FINE SAND, 0 TO 5 PERCENT SLOPES
54	ZOLFO FINE SAND
99	WATER

0 250 500 1,000 Feet

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3	Revised per DRC Comments Dated March 8 2021	04/26/2021	
4	PD Amendment	03/08/2022	

Designed by EH | Checked by EH

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Drawing Title
Existing Conditions

Drawing Number
C-2

Sheet of

DATE: Mar. 08, 2022

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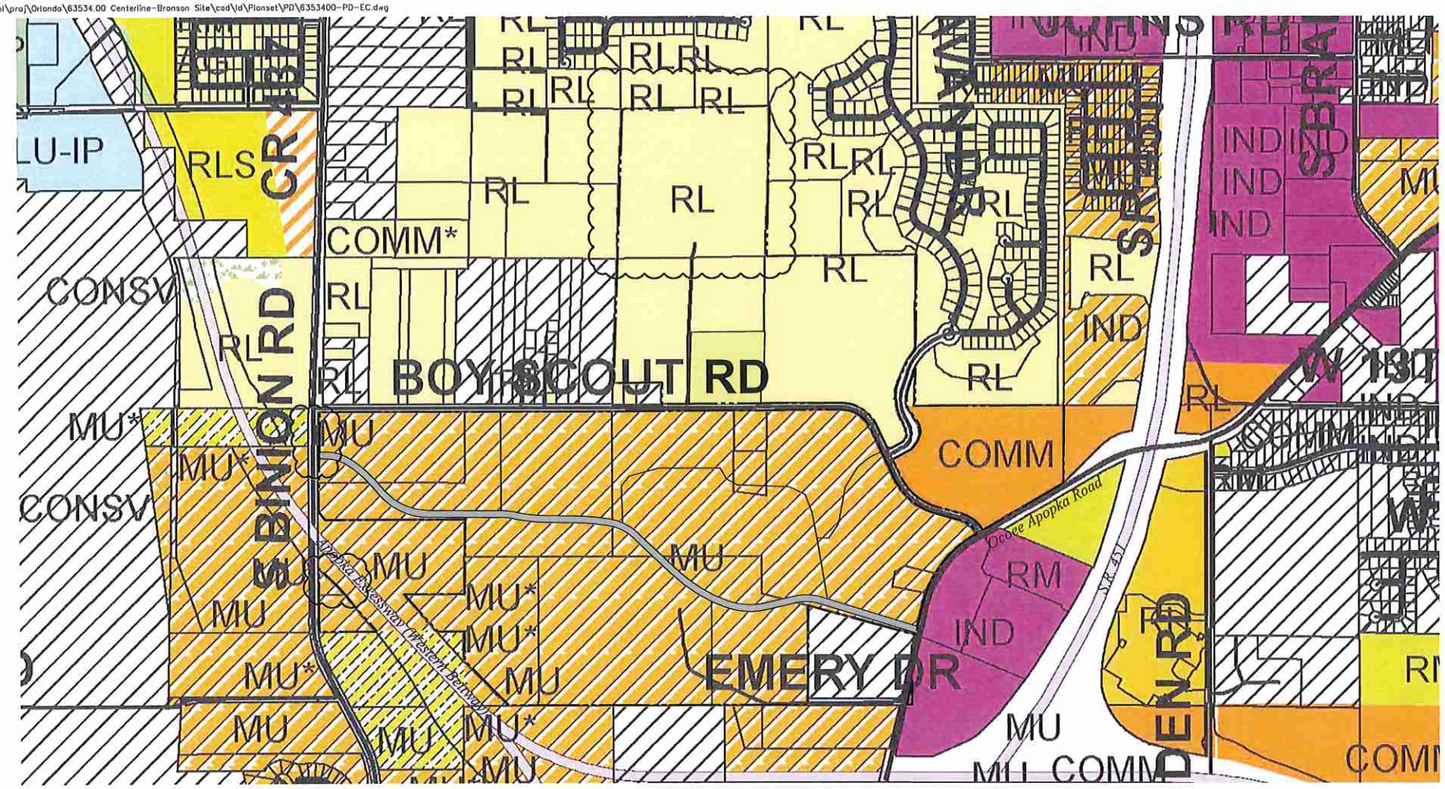

PROPOSED FUTURE LAND USE MAP

MAP SOURCE: CITY OF APOPKA, FL

LEGEND

PROJECT BOUNDARY

Legend

Parcels

CITY_CODE

- APK
- ORG
- KPI Radius
- Wekiva River Protection Area

Street Line

SUBTYPE

- Interstate
- Local
- Major
- Other
- Proposed
- Railroad
- Secondary
- Toll
- Trails

Future Land Use

LAND_USE

- AG
- AG-E
- AG-HOME
- COMM
- COMM*
- CONSV
- FLU-IP
- IND
- IND*
- INST_PU
- MU
- MU*
- OFF
- PR
- RE
- RH
- RL
- RLS
- RM
- RML
- RS
- RVLS

PROPOSED ZONING MAP

MAP SOURCE: CITY OF APOPKA, FL

LEGEND

PROJECT BOUNDARY

Legend

Street Line

SUBTYPE

- Interstate
- Local
- Major
- Other
- Proposed
- Secondary
- Toll
- Trails
- Railroad

PARCELS

CITY_CODE

- APK
- ORG

Zoning

Zoning

- AG
- AIR
- C-C
- C-N
- C-R
- I-H
- I-L
- INST
- MHP
- MU-D
- MU-ES-GT
- MU-INT
- MU-MED
- MU-N
- MU-VC
- O
- PD
- PR
- RCE
- RMF
- RSF-1A
- RSF-1B
- RTF
- T

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0 300 600 1,200 Feet

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Apopka, Florida

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Designed by EH | Checked by EH

Issued for | Date March 8, 2022

Vertical Datum NAVD 1988

Drawing Title

Existing Conditions

Drawing Number

C-3

Sheet of

DATE: Mar. 08, 2022

Project Number 63534.00

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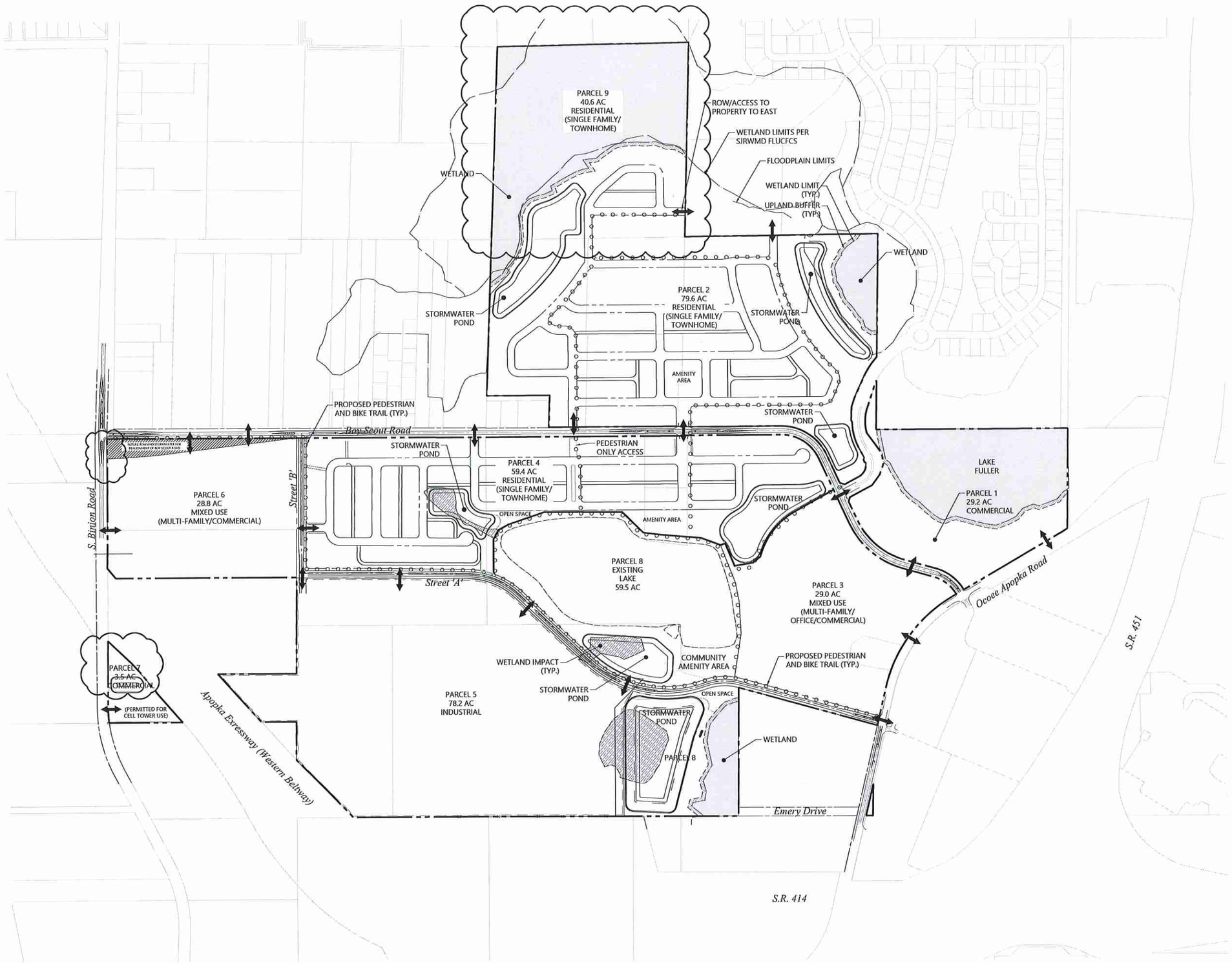

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LEGEND

- PROJECT BOUNDARY
- PARCEL LIMITS
- WETLAND
- WETLAND IMPACTS
- UPLAND BUFFER
- PROPOSED OPEN SPACE
- FUTURE ROW & STORMWATER FOR REALIGNMENT OF BOY SCOUT ROAD
- PROPOSED ACCESS POINT
- PROPOSED TRAIL
- OFFSITE WETLAND BOUNDARY

0 150 300 600 Feet

The Ridge PD

Apopka, Florida

No.	Revision	Date	Appvd.
1	Revised per City comment	02/15/2021	
2	Revised per City comment	03/08/2021	
3	Revised per DRC Comments Dated March 8 2021	04/26/2021	
4	PD Amendment	03/08/2022	

Designed by EH | Checked by EH

Issued for | Date: March 8, 2022

Vertical Datum NAVD 1988

Drawing Title
Master Site Plan

Drawing Number
C-4

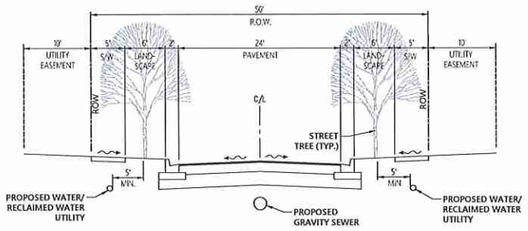
Sheet of

DATE: Jul. 13, 2022

Project Number
63534.00

Saved Tuesday, April 19, 2022 5:03:56 PM G2hENG Plotted Wednesday, July 13, 2022 3:56:20 PM Grace Zheng

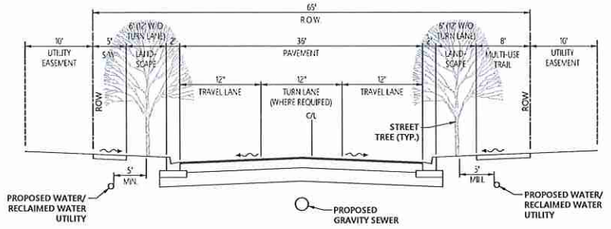
\\vhb.com\gbl\proj\Orlando\63534.00 Centerline-Branson Site\cad\d\Planset\PD\6353400-PD-XS.dwg



FOR RESIDENTIAL DEVELOPMENT.
INCLUDES SIGNAGE TO ALLOW PARKING ON ONE SIDE OF ROAD ONLY.

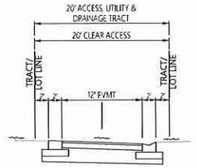
Typical Road Section - (50' ROW)

N.T.S.



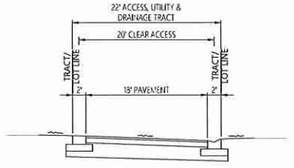
Typical Road Section - Street 'A' (65' ROW)

N.T.S.



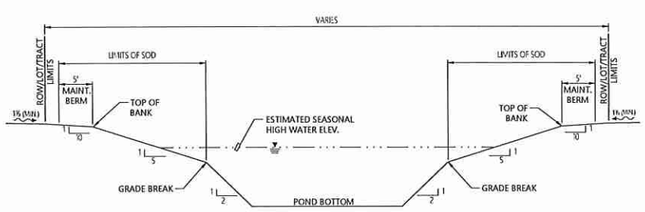
Typical Alley Road Section - One Way

N.T.S.



Typical Alley Road Section - Two Way

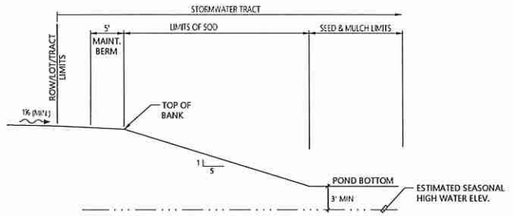
N.T.S.



POND SLOPES & MAINTENANCE BERMS SHALL BE IN ACCORDANCE WITH CITY OF APOPKA LDC SECTION 6.025.00 D.1.a

Typical Wet Pond Section

N.T.S.



POND SLOPES & MAINTENANCE BERMS SHALL BE IN ACCORDANCE WITH CITY OF APOPKA LDC SECTION 6.025.00 D.1.a

Typical Dry Pond Section

N.T.S.

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Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

The Ridge PD

Apopka, Florida

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3	Revised per DRC Comments Dated March 8,2021	04/26/2021	
4	PD Amendment	03/08/2022	

Designed by EH | Checked by EH

Issued for | Date March 8, 2022

Vertical Datum NAVD 1988

Drawing Title

Typical Sections

Drawing Number

C-5

Sheet of

DATE: Mar. 02, 2022

Project Number 63534.00

Saved Thursday, February 24, 2022 11:27:58 AM DICERAVOLO Plotted Wednesday, March 2, 2022 9:02:28 AM Grace Zheng

Planned Development Zoning District Standards

The purpose of this PD is to provide flexibility in the development of a mixed-use project with residential, commercial, office and light industrial uses. The project is designed to respect the natural features of the land and is compatible with the character of the established surrounding neighborhoods.

Development within this PD shall be subject to the development standards outlined herein; however, if not addressed in this PD document, subject to the provisions of the City of Apopka Land Development Code.

SITE DATA

Future Land Use: Low Density Residential; Mixed Use
Existing Zoning: RSF-1A; MU-ES-GT
Proposed Zoning: (PD) Planned Development

Adjacent Future Land Use

North	South	East	West
Low Density Residential	Mixed Use	Industrial/Mixed Use	Mixed Use

Adjacent Zoning

North	South	East	West
RSF-1A/PD	T/MU-ES-GT	I-L	MU-ES-GT

OPEN SPACE

LAND USE	PERCENTAGE REQUIRED
Residential	30%
Commercial/Mixed Use	20%
Industrial	20%

1. Open space percentage requirements per Section 5.4, Table 5.4.4 Required Open Space Set-Asides of the City of Apopka LDC.
2. Open space and recreation requirements shall be calculated on the overall PD area, and not on an individual parcel basis.
3. Specific open space and recreation area calculations shall be provided on the minor or major development plans for each phase of development.

DEVELOPMENT PROGRAM

Parcel NO	Land Use	Gross Acres	Development Program
1	Commercial	29.2	100,000 sf
2	Residential	79.57	349 du
3	Multi-Family	18.0	374 du
	Office	7.0	75,000 sf
	Commercial	6.0	25,000 sf
4	Residential	59.46	303 du
5	Industrial	78.2	1,500,000 sf
6	Multi-Family	20.45	304 du
	Commercial	8.4	150,000 sf
7	Commercial	3.5	25,000 sf
8	Lake/Recreation	59.5	
9	Residential	40.6	44 du
TOTAL		407.88	

Permitted Uses: Permitted uses shall be those described in the RSF-1A, RSF-1B, C-C, I-L and MU-ES-GT use chart in the City of Apopka Land Development Code and listed in the PD Agreement. Additionally, wireless communication towers shall be a permitted use on Parcel 7 only.

Phasing: The project will be developed in multiple phases. Each phase of development shall have sufficient infrastructure to stand alone. Please refer to sheet C-8 for specific phasing.

RESIDENTIAL DEVELOPMENT STANDARDS

Single Family Residential

	Front Loaded (55 feet and greater)	Rear Loaded (50 feet or less)
Min Lot Area	5,500 sf	3,500 sf
Min Lot Width	55'	35'
Min Living Area	1,600 sf	1,500 sf
Max Building Height	2-stories/35'	2-stories/35'
Minimum Setbacks		
Front Primary Structure	20'	15'
Front Porch	10'	10'
Front Entry Garage	25'	N/A
Side	5'	5'
Corner Side	15'	15'
Rear Primary Structure	20'	20'/3' (with detached garage)
Accessory Structures	5'	5'

Townhomes

Min Lot Area	1,800 sf
Min Lot Width	18'
Min Living Area	1,300 sf
Max Building Height	3-stories/40'
Minimum Setbacks	
Front Primary Structure	15'
Front Porch	10'
Side	0'/7' (end units)
Corner Side	10'
Rear Primary Structure	20'/3' (with detached garage)
Accessory Structures	5'
Minimum Building Separation	20'

Multi-Family

Min Living Area	500 sf
Max Building Height	5-stories/65'
Minimum Setbacks	
Front Primary Structure	15'
Side	10'
Corner Side	20'
Rear Primary Structure	25'
Minimum Building Separation	20'

Multi-Family Detached

Min Living Area	500 sf
Max Building Height	3-stories/40'
Minimum Setbacks	
Front Primary Structure	15'
Side	5'
Corner Side	10'
Rear Primary Structure	15'
Accessory Structure	5'
Minimum Building Separation	10'

NON-RESIDENTIAL DEVELOPMENT STANDARDS

Retail/Commercial/Office

Max FAR	0.30
Max ISR	0.60
Max Building Height	50'
Minimum Setbacks	
Front Primary Structure	15'
Side	10'
Corner Side	20'
Rear Primary Structure	10'/30' (adjacent to residential)

Industrial

Max FAR	0.60
Max ISR	0.85
Max Building Height	50'
Minimum Setbacks	
Front Primary Structure	10'
Side	10'
Corner Side	15'
Rear Primary Structure	10'/30' (adjacent to residential)

Trip Equivalency Conversion Matrix (Based on Daily 2-Way Trip Generation) (1)

Change From		Change To Land Use:					ITE Land Use	
Land Use	Size	Warehouse	Single Family		Retail		Daily 2-Way Trip Rate (1)	ITE Code
Warehouse	1,000 SF		0.1653	DU	0.0243	KSF	1.61 Trips per 1,000 SF	150
Single Family	1 DU	6.0497	KSF		0.1472	KSF	9.74 Trips per 1 DU	210
Retail	1,000 SF	41.1118	KSF	6.7937	DU		66.19 Trips per 1,000 SF	820

Example: To convert 100,000 SF of Warehouse space to equivalent Single Family or Retail.
To Single Family: 100,000 / 1,000 x 0.1653 = 16.53 DU's. Use 16 DU's.
To Retail: 100,000 / 1,000 x 0.0243 = 2.430 KSF. Use 2,430 SF.

To check if equivalent land use trip threshold is the same:
100,000 SF Warehouse Space = 100,000 / 1,000 x 1.61 = 161.00 Daily 2-Way Trips. Use 161.
Single Family: 16 x 9.74 = 155.84 Daily 2-Way Trips. Use 156.
Retail: (2.430 / 1,000) x 66.19 = 160.84 Daily 2-Way Trips. Use 161.

Estimated Trip Generation Rates (2)

Land Use	Land Use ITE Average Size		ITE Land Use Code (3)	Daily Trip Generation Rate
Warehouse	1,535,000	SF	150 /E	1.61
Single Family	226	DU	210 /E	9.74
Retail	74.035	SF	820 /E	66.19

(1) Conversion factors based upon PM Peak Hour 2-Way Trip Generation Rates from ITE 10th Edition Trip Generation Report.
(2) Trip Generation Rates from 10th Edition of ITE Trip Generation Report, 2012.
(3) ITE Land Use Code Number / E = Fitted Curve Equation
Lake Transportation Engineering Consultants, Inc., 2020
(4) Retail trip conversion matrix shall be recalculated for specific retail uses to account for fitted curve equation.

RECREATION AMENITIES – PARCEL 8

Picnic covered and outdoor seating areas	Dock with viewing and/or fishing pier
Visitor parking lot	Dog park
Bike paths and racks	Playground area and lawns
Open air pavilion	Community garden
Viewing and resting Benches along paths	Walking pedestrian paths

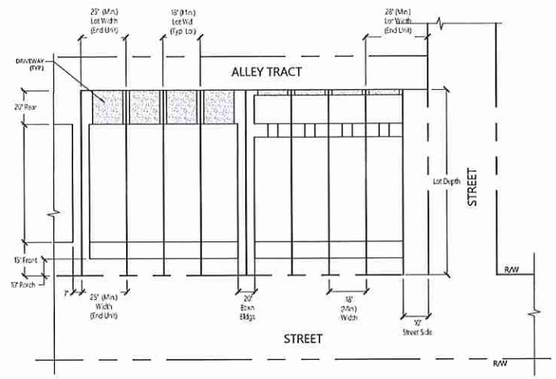
WAIVER REQUEST

A waiver is requested from Section 3.7.2(b)(1)(a) to allow for no more than 75% of the residential lots within Parcels 2 and 4 to be 50 feet in width or less, and the remaining residential lots Parcels 2, 4 and 9 be a mix of 55 and 60 feet in width (with a minimum of 12.5% of the total number of lots within each parcel be a minimum of 60 feet in width), in lieu of no more than 75% of the residential lots in a development or phase be 50 feet in width or less and the remaining lots shall be a minimum of 65 feet in width.

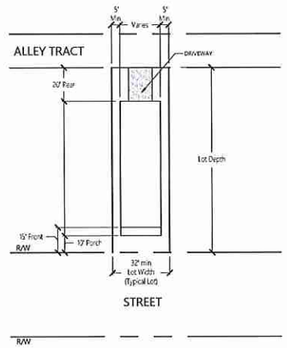
Justification: The proposed development is designed to be mixed use and pedestrian friendly. The additional lot width size will ensure compact neighborhood design is achieved and will allow for a variety of lot sizes to serve a range of economic levels needed for successful development.

DEVELOPMENT NOTES

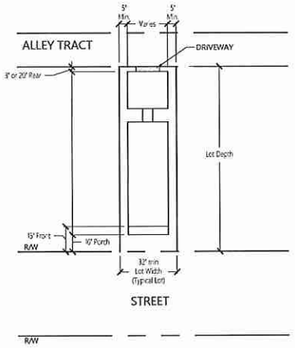
1. All acreages are subject to change with final engineering and final plat review and approval.
2. A Minor or Major Development Plan application shall be submitted for each phase of development. Each application shall address the requirements of the PD District Development Standards set forth in the City of Apopka Land Development Code Table 3.7.2.E.1, unless specifically addressed in this PD plan.
3. Off street parking shall be provided in accordance with Table 5.1.6A: Minimum Number of Off-Street Vehicular Parking Spaces of the City of Apopka Land Development Code.
4. Landscaping and buffer standards shall be in accordance with Table 5.2.5.B.3.D-1: Bufferyard Application of the City of Apopka Land Development Code. Interior landscape buffers between abutting property boundaries may have a ten (10) foot wide landscape buffer. Landscaping standards for residential development shall adhere to Section 5.2.2(B) of the City of Apopka Land Development Code.
5. All stormwater ponds shown shall meet the City of Apopka Land Development Code requirements for slopes and depths requiring fencing.
6. Exterior lighting shall comply with the requirements of Section 5.6 of the City of Apopka Land Development Code.
7. Residential community signage shall comply with the requirements of Section 5.10.9 and non-residential standards shall comply with 5.10.7 of the City of Apopka's Land Development Code.
8. Architectural design shall meet the intent of the City of Apopka's Development Design Guidelines.
9. A concurrency application shall be submitted with each minor or major development plan for each phase of development.
10. Densities and intensities within The Ridge PD may be exchanged based on the traffic equivalency matrix shown on the PD plan.
11. In the event a cell tower is placed on Parcel 7, a fall zone radius will be provided adjacent to all residential, commercial and industrial structures located within the PD.
12. All townhomes shall front a dedicated street.
13. A Community Development District (CDD) will be established for ownership and maintenance of certain improvements within the development.
14. Green building standards shall be provided per Section 5.11.4 of the City of Apopka Land Development Code. Specific standards will be provided during each minor or major development plan for each phase of development.
15. Tree canopy retention standards shall be calculated on the overall PD area and not on an individual parcel basis. Tree canopy calculations shall be reviewed during the major development plan process. Tree canopy retention shall be maintained through each phase of development in accordance with Table 5.3.7.B.2C in Section 5.3.7 of the City of Apopka's Land Development Code. Specific table calculations will be provided with each minor or major development plan.
16. Fences and walls shall be permitted and adhere to the standards listed in Section 5.5 of the City of Apopka's Land Development Code.
17. Neighborhood compatibility standards shall adhere to those listed in Section 5.8.3 of the City of Apopka Land Development Code.
18. The access, mobility and circulation standards proposed shall adhere to those listed in Section 5.13.1.C of the City of Apopka Land Development Code.
19. Street design and construction standards shall adhere to those listed in Section 5.13.2 of the City of Apopka Land Development Code.



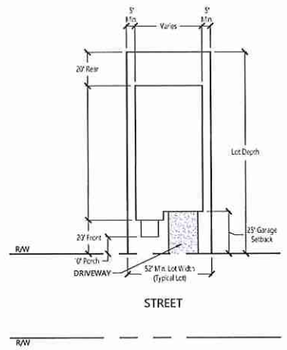
Townhome
(Rear Loaded)
Scale: 1"=40'



Rear Loaded Single-Family Lot
(50' and Less)
Scale: 1"=40'



Rear Loaded w/ Detached Garage
Single-Family Lot
(50' and Less)
Scale: 1"=40'



Front Loaded Single-Family Lot
(55' and greater)
Scale: 1"=40'

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225 E. Robinson Street
Suite 300
Orlando, FL 32801
407.839.4006
Certificate of Authorization
Number FL #3932

The Ridge PD

Apopka, Florida

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1	Revised per City comment	02/15/2021	
2	Revised per City comment	03/08/2021	
3	Revised per DRC Comments Dated March 8,2021	04/26/2021	
4	PD Amendment	03/08/2022	

Designed by: EH | Checked by: EH
Issued for:
Date: March 8, 2022

Vertical Datum NAVD 1988

Drawing Title
Site Data & Details

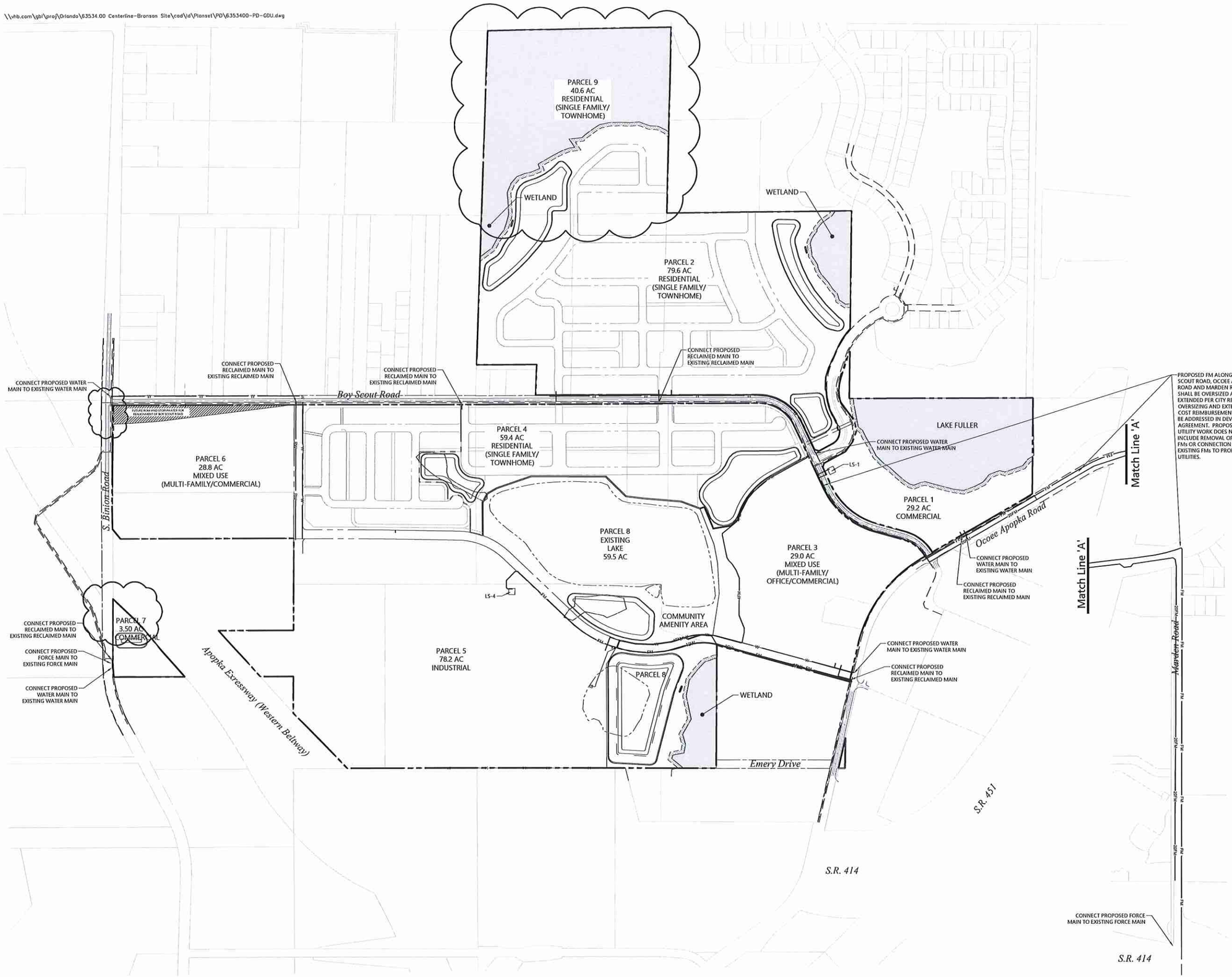
Drawing Number
C-6

Sheet of

DATE: Jul. 13, 2022

Project Number
63534.00

Saved Wednesday, July 13, 2022 4:21:23 PM, EHUGHES Plotted Wednesday, July 13, 2022 4:23:58 PM Erika Hughes



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407.839.4006
Certificate of Authorization
Number FL #3932

LEGEND
- PROJECT BOUNDARY
- PARCEL LIMITS
- WETLAND
- UPLAND BUFFER
- EXISTING TOPOGRAPHIC CONTOUR

0 150 300 600 Feet

The Ridge PD

Apopka, Florida

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Date March 8, 2022

Vertical Datum NAVD 1988

Drawing Title
Drainage & Utilities Plan

Drawing Number
C-7
Sheet of

DATE: Jul. 14, 2022
Project Number 63534.00

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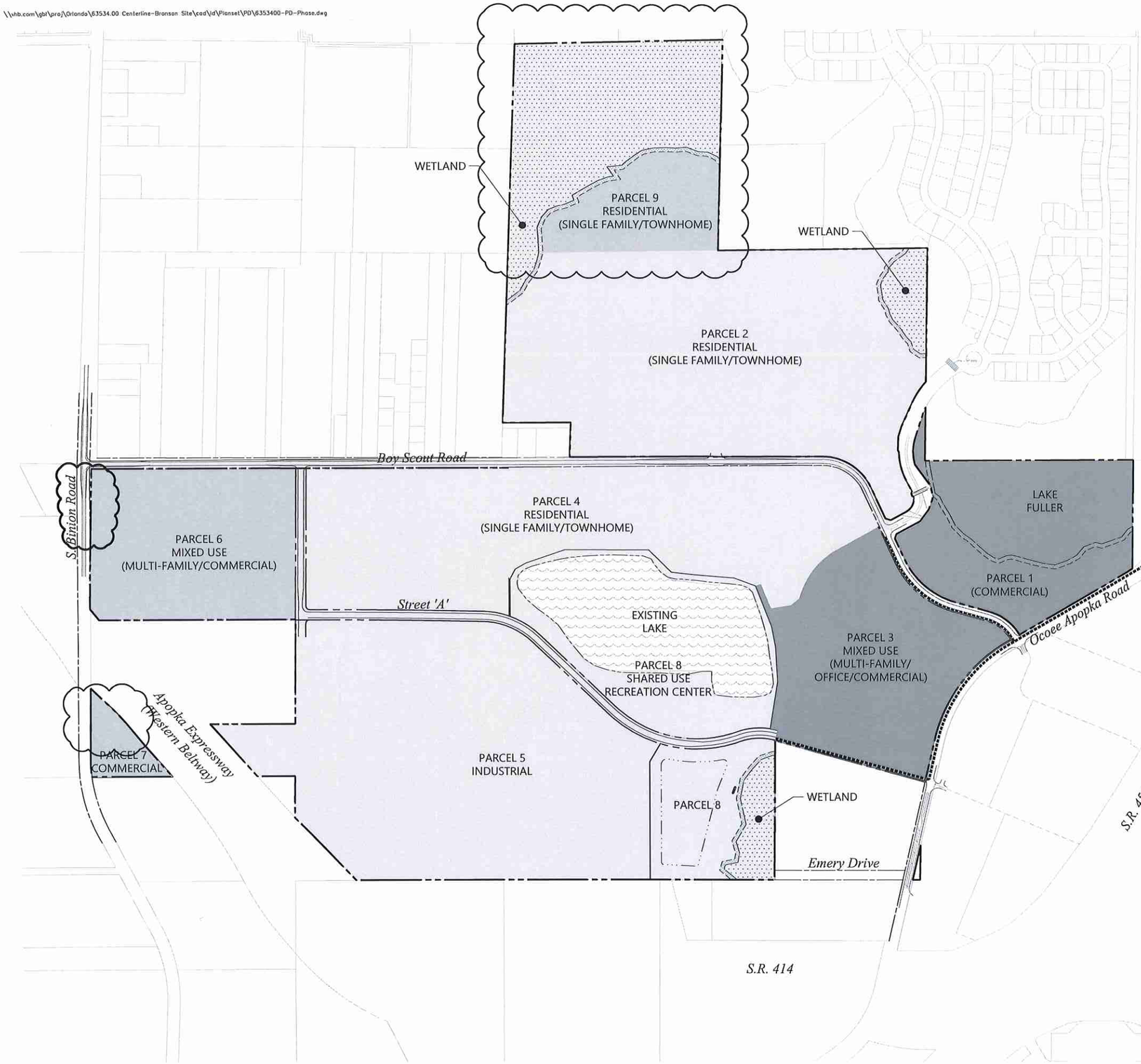

PD PHASING NOTES:

PHASE 1 SHALL INCLUDE:
- DEVELOPMENT OF PARCELS 2, 4, 5 AND 8, INCLUDING NECESSARY ROADWAYS, UTILITIES AND DRAINAGE FACILITIES. THESE PARCELS ARE ALL CONSIDERED PHASE 1 BUT WILL BE PERMITTED SEPARATELY.
- STREET A (SPINE ROAD) CONSTRUCTION FROM BOY SCOUT ROAD CONNECTION TO EAST BOUNDARY OF PARCEL 8, INCLUDING TRAIL.
- WASTEWATER AND WATER UTILITY EXTENSIONS ALONG BOY SCOUT AND STREET A (SPINE ROAD) CORRIDORS TO OCOEE-APOPKA ROAD AND FURTHER TO CONNECTION POINT ALONG MARDEN ROAD.
- WATER AND RECLAIMED WATER CONNECTIONS ALONG BOY SCOUT ROAD AND BINION ROAD.
- PARCEL 8 AMENITY AREA, INCLUDE TRAIL CONNECTIONS THROUGH PARCEL 4 AND PARCEL 2.
- OFFSITE ROADWAY IMPROVEMENTS AS DETERMINED BY PD AGREEMENT.

PHASE 2 SHALL INCLUDE:
- DEVELOPMENT OF PARCELS 6, PARCEL 7 AND PARCEL 9. INCLUDING NECESSARY ROADWAYS, UTILITIES AND DRAINAGE FACILITIES. THESE PARCELS ARE ALL CONSIDERED PHASE 2 BUT WILL BE PERMITTED SEPARATELY.
- OFFSITE ROADWAY IMPROVEMENTS AS DETERMINED BY PD AGREEMENT.

PHASE 3 SHALL INCLUDE:
- DEVELOPMENT OF PARCELS 1 AND PARCEL 3. INCLUDING NECESSARY ROADWAYS, UTILITIES AND DRAINAGE FACILITIES. THESE PARCELS ARE ALL CONSIDERED PHASE 3 BUT WILL BE PERMITTED SEPARATELY.
- STREET A (SPINE ROAD) CONNECTION TO OCOEE-APOPKA ROAD THROUGH PARCEL 3.
- OFFSITE ROADWAY IMPROVEMENTS AS DETERMINED BY PD AGREEMENT.

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Number FL #3932

LEGEND
- PROJECT BOUNDARY
- PARCEL LIMITS
- WETLAND
- 25' MIN. UPLAND BUFFER
- PHASE 1
- PHASE 2
- PHASE 3
- WATER BODY

0 150 300 600 Feet

The Ridge PD

Apopka, Florida

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Drawing Title
Phasing Plan

Drawing Number
C-8

Sheet of

DATE: Mar. 08, 2022

Project Number
63534.00

Saved Monday, March 7, 2022 5:50:41 PM GZHENG Plotted Tuesday, March 8, 2022 11:57:22 AM Grace Zheng

LEGAL DESCRIPTION:

FILE NUMBER: L190357

Beginning at the intersection of the South line of the right of way of Boy Scout Road with a line 42.50 feet East of the East line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89 degrees 43 minutes 32 seconds West, along said South right of way line, for a distance of 294.30 feet; thence run South 00 degrees 22 minutes 48 seconds West, parallel with the East line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83 degrees 13 minutes 27 seconds East for a distance of 296.12 feet; thence run North 00 degrees 22 minutes 48 seconds East parallel with the East line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the POB.

FILE NUMBER: L190356

A portion of Section 17, Township 21 South, Range 28 East, Orange Country, Florida more particularly described as follows:

Commence at the South Quarter corner of said Section 17; thence N 07 degrees 19' 56" E to a point on the Westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the East of the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00', a delta of 11 degrees 35' 09", along a cord bearing of N26 degrees 13' 56" E, an arc distance of 191.70'; thence leaving said right of way run N75 degrees 44' 09" W, 278.00'; thence S57 degrees 12' 05" W, 100.86'; thence S10 degrees 59' 06" W, 134.01'; thence S79 degrees 38' 16" E, 300.05 to the Point of Beginning.

FILE NUMBER: L190473/ak

The South one-half (S 1/2) of the East one-half (E 1/2) of the Southwest one-quarter (SW 1/4) of the Northwest one-quarter (NW 1/4), (LESS the East twenty-five feet (E 25') of the South three hundred and forty feet (S 340')) of Section 17, Township 21 South, Range 28 East, Orange County, Florida, Less the South 30 feet thereof for Boy Scout Road.

Also less the land contained in Warranty Deed recorded in Official Records Book 1652, page 737, Public Records of Orange County, Florida, to wit:

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

FILE NUMBER: L190355

PARCEL 1

The East half of the Southeast quarter of the Southeast quarter of Section 18, Township 21 South, Range 28 East, in Orange County, Florida;

and

The Southwest quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, in Orange County, Florida;

and

The West 400 feet of: Begin 144 feet West of the Southeast corner of the Southwest quarter and run West to the Southwest corner of the Southeast quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, thence run North 396.6 feet, South 75° East, a distance of 1,419 feet to a point 15 feet west of road, thence Southwesterly to the Point of Beginning, in Orange County, Florida.

PARCEL 2

The North one half (1/2) of the East one half (1/2) of the Southwest quarter (1/4) of the Northwest quarter (1/4) of Section 17, Township 21 South, Range 28 East, all in Orange County, Florida.

PARCEL 3A

The West 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, less the West 433 feet of the South 220 feet;

PARCEL 3B

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

PARCEL 4

That part of the Southeast 1/4 of the Northwest 1/4, the Northeast 1/4 of the Southwest 1/4 and the West 1/2 of the Southeast 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying northwesterly of the northwesterly right of way line of Ocoee-Apopka Road, northeasterly of the northeasterly right of way of Boy Scout Road, and easterly of the east right of way line of Galway Blvd. (Tracts P and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 5

Beginning at the southeast corner of the East 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East; run thence West 25 feet, thence North 340 feet, thence East 25 feet, thence South 340 feet to the Point of Beginning;

and

The Southeast 1/4 of the Northwest 1/4 and that part of the Northeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East lying northerly and northeasterly of the right of way of Boy Scout Road and lying northerly and westerly of the north and west right of way lines of Galway Blvd. (tracts O and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 6

That part of the West 1/2 of the Southeast 1/4, the North 1/2 of the Southwest 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying westerly of the westerly right of way line of Ocoee-Apopka Road, and southerly and southwesterly of the southern and southwestern right of way line of Boy Scout Road, less and except the following parcels A, B and C:

A. Beginning 144 feet west of the quarter section post on the south boundary of Section line, 15 feet west of center of public road, run west 17 chains and 82 links, North 15 chains and 10 links, thence South 75° 30' East 21 chains and 55 links to a point 15 feet west of center of public road, southerly along said road to beginning.

B. Beginning at the intersection of the south line of the right of way of Boy Scout Road with a line 42.50 feet east of the east line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89° 43' 32" West, along said south right of way line, for a distance of 294.30 feet; thence run South 00° 22' 48" West, parallel with the east line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83° 13' 27" East for a distance of 296.12 feet; thence run North 00° 22' 48" East parallel with the east line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the Point of Beginning.

C. A portion of Section 17, Township 21 South, Range 28 East, Orange County, Florida, more particularly described as follows:

Commence at the south quarter corner of said Section 17; thence North 07° 19' 56" East to a point on the westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the east and the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00 feet, a delta of 11° 35' 09", along a chord bearing of North 26° 13' 56" East, an arc distance of 191.70 feet; thence leaving said right of way run North 75° 44' 09" West, 278.00 feet; thence South 57° 12' 05" West, 100.86 feet; thence South 10° 59' 06" West, 134.01 feet; thence South 79° 38' 16" East, 300.05 feet to the Point of Beginning.

PARCEL 7

The Northeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, and beginning 110 yards north of the southwest corner of the Northwest 1/4 of the Southeast 1/4, run North 110 yards, East 440 yards to the 40 line, South 110 yards, West 440 yards to beginning, Section 18, Township 21 South, Range 28 East, Orange County, Florida; less and except that portion conveyed to the State of Florida for State Road 437 by the Quit Claim Deed recorded in Deed Book 770, page 209, and less that part vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9398 page 1729 of the public records of Orange County, Florida.

PARCEL 8

The South 1/2 of the North 1/2 of the Southwest 1/4 of the Southeast 1/4 and the West 1/2 of the Southeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, Orange County, Florida, less and except that portion conveyed to the State of Florida by the Quit Claim Deed recorded in Deed Book 769, page 164 and less and except those portions vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9893, page 1729 of the public records of Orange County, Florida.

PARCEL 9

The North 1/2 of the Northwest 1/4 of the Southeast 1/4 of Section 18, Township 21 south, Range 28 East, Orange County, Florida, less and except the North 33 feet thereof for road right of way and less road right of way on west.

SHIRLEY PARCEL

The Northwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida.

Together with an Easement for ingress and egress over the East 30 feet of the following described property:

The West 1/2 of the SW 1/4 of the NW 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, Less the West 433 feet of the South 220 feet, also subject to road right-of-way on South 30 feet.

TRIANGLE PARCEL

THAT PORTION OF THE NORTH 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA LYING EAST OF THE EAST RIGHT-OF-WAY LINE OF BINION ROAD, FORMERLY KNOWN AS STATE ROAD 437, LESS AND EXCEPT THAT PORTION VESTED IN THE ORLANDO/ORANGE EXPRESSWAY AUTHORITY BY THE STIPULATED ORDER OF TAKING RECORDED IN OFFICIAL RECORDS BOOK 9046, PAGE 4324 AND OFFICIAL RECORDS BOOK 9398, PAGE 1753 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

FURTHER DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTH QUARTER CORNER OF SAID SECTION 18 FOR A POINT OF REFERENCE; THENCE RUN NORTH 01°08'24" EAST, ALONG THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 18, A DISTANCE OF 995.68 FEET TO THE NORTH LINE OF THE SOUTH HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 18; THENCE RUN NORTH 89°57'59" EAST, ALONG SAID NORTH LINE, 14.41 FEET TO THE EAST RIGHT-OF-WAY LINE OF BINION ROAD, ACCORDING TO DEED BOOK 769, PAGE 164 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA AND THE POINT OF BEGINNING; THENCE RUN NORTH 00°14'15" EAST, ALONG SAID EAST RIGHT-OF-WAY LINE, 219.79 FEET TO THE INTERSECTION OF SAID EAST RIGHT-OF-WAY LINE WITH THE WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE OF STATE ROAD 429, ACCORDING TO OFFICIAL RECORDS BOOK 9046, PAGE 4349, OFFICIAL RECORDS BOOK 9398, PAGE 1729 AND DEED BOOK 770, PAGE 209 OF SAID PUBLIC RECORDS; THENCE RUN SOUTH 43°26'33" EAST, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 218.04 FEET; THENCE RUN SOUTH 43°27'33" EAST, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 103.16 FEET TO A POINT ON SAID NORTH LINE OF THE SOUTH HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 18; THENCE RUN SOUTH 89°57'59" WEST, ALONG SAID NORTH LINE, 233.93 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED TRACT OF LAND LIES IN ORANGE COUNTY, FLORIDA AND CONTAINS 0.63 ACRES MORE OR LESS.

STRIP PARCEL:

A STRIP OF LAND LYING IN SECTION 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST, BOUNDED ON THE NORTH BY THE SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD, ACCORDING TO OFFICIAL RECORDS BOOK 1078, PAGE 540, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BOUNDED ON THE EAST BY THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 18 AND BOUNDED ON THE WEST BY THE EAST RIGHT-OF-WAY LINE OF BINION ROAD, ACCORDING TO DEED BOOK 769, PAGE 164 OF SAID PUBLIC RECORDS. DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 18 FOR A POINT OF REFERENCE; THENCE RUN SOUTH 01°08'24" WEST, ALONG SAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 18, A DISTANCE OF 33.01 FEET TO SAID SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD AND THE POINT OF BEGINNING; THENCE RUN SOUTH 01°08'24" WEST, ALONG SAID WEST LINE, 713.76 FEET TO THE INTERSECTION OF SAID WEST LINE WITH SAID EAST RIGHT-OF-WAY LINE OF BINION ROAD; THENCE RUN NORTH 00°14'15" EAST, ALONG SAID EAST RIGHT-OF-WAY LINE, 563.23 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE EASTERLY; THENCE RUN NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE AND ALONG SAID CURVE HAVING A RADIUS OF 5689.65 FEET, A CENTRAL ANGLE OF 01°30'33", AN ARC LENGTH OF 150.42 FEET, A CHORD LENGTH OF 150.42 FEET AND A CHORD BEARING OF NORTH 00°59'41" EAST TO SAID SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD; THENCE RUN SOUTH 89°58'43" EAST, ALONG SAID SOUTH RIGHT-OF-WAY LINE, 9.26 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED STRIP OF LAND LIES IN ORANGE COUNTY, FLORIDA AND CONTAINS 3,912 SQUARE FEET MORE OR LESS.

TITLE COMMITMENT SCHEDULE B-II

FILE NUMBER L190357

6. Notice of Right of Way for road purposes filed 5/21/1987 in Official Records Book 3888, page 2391, of the Public Records of Orange County, Florida. DOES NOT AFFECT SUBJECT PROPERTY, RIGHT OF WAY LIES OFFSITE.
7. Distribution Easement recorded in Official Records Book 5241, Page 2886. AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
8. Agreement for the Delivery and Use of Reclaimed Irrigation Water filed in Official Records Book 5346, page 641, of the Public Records of Orange County, Florida. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.

FILE NUMBER L190356

5. Notice of Right of Way for road purposes filed 5/21/1987 in Official Records Book 3888, page 2391, of the Public Records of Orange County, Florida. DOES NOT AFFECT SUBJECT PROPERTY, RIGHT OF WAY LIES OFFSITE.
6. Resolution No. 653 by Southwest Florida Water Management District filed 10/18/1976 in Official Records Book 2735, page 539, of the Public Records of Orange County, Florida. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.
7. Easement reservation in favor of Florida Power & Light Company filed 8/3/1977 in Official Records Book 2804, page 1580, of the Public Records of Orange County, Florida. DOES NOT AFFECT SUBJECT PROPERTY, EASEMENT LIES OFFSITE, SHOWN HEREON.
8. Agreement for the Delivery and Use of Reclaimed Irrigation Water filed in Official Records Book 5346, page 641, of the Public Records of Orange County, Florida. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.
9. Certificate of Establishing Water Basin Boundaries of the Southwest Florida Water Management District filed in Official Records Book 992, page 634, of the Public Records of Orange County, Florida. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.

FILE NUMBER L190355

6. Easement for public road granted to the County of Orange recorded in Deed Book 338, page 17. (Affects Parcel 3A) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
7. Easement or right of way for public road purposes granted to the County of Orange by the Right-of-Way Agreement recorded in Official Records Book 1133, page 608. (Affects Parcels 4, 5, 8 and 7) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
8. Drainage Easement granted to the County of Orange recorded in Official Records Book 1169, page 107. (Affects Parcels 4 and 5) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
9. Terms, covenants, conditions and easements contained in the Grant of Easement between J. E. Robinson, Sr. and Margaret O. Robinson, his wife, and John P. Jenkins and Carol H. Jenkins, his wife, recorded in Official Records Book 2006, page 321. (Affects Parcels 2 and 3) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
10. Easement granted to Florida Power Corporation recorded in Official Records Book 2804, page 1580. (Affects Parcel 6) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
11. Easement for ingress and egress granted to Fernwood Properties, Inc. recorded in Official Records Book 3322, page 1458, as conveyed to John Foster Jones and Sue Ellen Jones, husband and wife, by the Warranty Deed recorded at Official Records Instrument No. 20160126557, and further conveyed to Kelly W. Shirley by the Warranty Deed recorded in Official Records Book 20160126561. (Affects Parcel 3) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
12. Terms, covenants, conditions and other matters contained in the Agreement for the Delivery and Use of Reclaimed Irrigation Water between the City of Apopka and Troy S. and Ina R. Bronson, recorded in Official Records Book 5346, page 641. (Affects Parcels 2, 3, 4, 5, 6, 7 and 8) AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.
13. Rights of ingress, egress, light, air and view vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9398, page 1729. (Affects Parcels 7 and 8) AFFECTS SUBJECT PROPERTY, SHOWN HEREON.

FILE NUMBER L210361

5. Easement in favor of Florida Power Corporation, filed February 28, 1968, recorded in Official Records Book 1710, Page 12, of the Public Records of Orange County, Florida. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.

FILE NUMBER L190473/ak

2. Easement for public road granted to the County of Orange recorded in Deed Book 338, page 17. AFFECTS SUBJECT PROPERTY, SHOWN HEREON.
3. Easement granted to Florida Power Corporation recorded in Official Records Book 3261, page 830. DOES NOT AFFECT SUBJECT PROPERTY, EASEMENT LIES OFFSITE, SHOWN HEREON.

SURVEYOR'S NOTES:

BEARINGS SHOWN HEREON ARE ASSUMED AND BASED ON THE EAST RIGHT OF WAY LINE OF S. BINION ROAD AS BEING N00°14'15"E. FOR ANGULAR DESIGNATION ONLY.

THERE MAY BE EASEMENTS AND RESTRICTIONS OF RECORD AND/OR PRIVATE AGREEMENTS NOT FURNISHED TO THIS SURVEYOR OR SHOWN ON THIS BOUNDARY SURVEY THAT MAY AFFECT PROPERTY RIGHTS AND/OR LAND USE RIGHTS OF THE SUBJECT PROPERTY.

THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF AN INSURANCE TITLE COMMITMENT, PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NUMBER L190357, EFFECTIVE DATE OCTOBER 28, 2020 AT 8:00 AM, COMMITMENT NUMBER L190356, EFFECTIVE DATE OCTOBER 28, 2020 AT 8:30 AM, COMMITMENT NUMBER L190473/ak, EFFECTIVE DATE SEPTEMBER 3, 2020 AT 8:35 AM, PREPARED BY CHICAGO TITLE INSURANCE COMPANY, COMMITMENT NUMBER L190355, EFFECTIVE DATE OCTOBER 27, 2020 AT 11:00 PM AND PREPARED BY CHICAGO TITLE INSURANCE COMPANY, COMMITMENT NUMBER L210361, EFFECTIVE DATE APRIL 29, 2021 AT 11:00 PM.

THERE MAY BE ENVIRONMENTAL ISSUES AND/OR OTHER MATTERS REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL, STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.

THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOMSOEVER.

THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND PROFESSIONAL PURVIEW AND SUBJECT TO LEGAL INTERPRETATION.

UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR VISIBLE UNOBSTRUCTED, ABOVE GROUND IMPROVEMENTS WERE LOCATED. UNDERGROUND IMPROVEMENTS, SUCH AS FOUNDATIONS AND UTILITIES, WERE NOT LOCATED.

SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA AREA OF MINIMAL FLOOD HAZARD AND ZONE AE, AREA WITH A BASE FLOOD ELEVATION OF 89.1' AND 70.6' ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0120F, MAP DATE 9/25/2009. THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, BENCHMARK NUMBER L708044, ELEVATION BEING 89.81'.

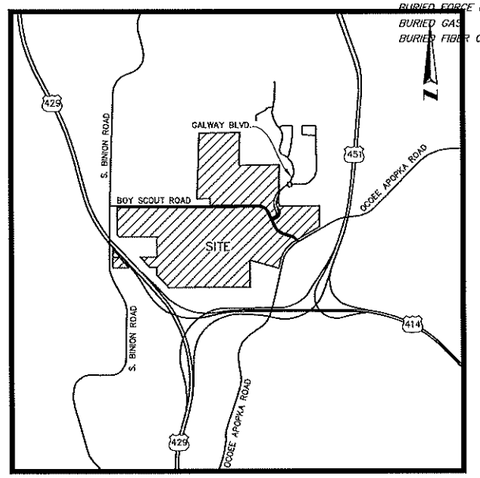
THERE ARE NO GAPS, GORES OR HIATUS BETWEEN SUBJECT PROPERTIES WITH THE EXCEPTION OF THE PORTION OF PARCEL 8 THAT IS WEST OF WESTERN BELTWAY (SR 429)

TOTAL AREA: 407.86 ACRES

LAST DATE IN FIELD: JULY 6, 2021

LEGEND & ABBREVIATIONS

—x—	FENCE LINE (BARBED)
—oo—	OVERHEAD UTILITY
	FIRE HYDRANT
	RECLAIMED WATER VALVE
	WATER VALVE
	CATCH BASIN
	VAULT
	STORM MANHOLE
	CLEAN OUT
	SANITARY VALVE
	BACK FLOW PREVENTER
	WELL
	SIGN
	GUY WIRE
TV	TELEVISION RISER
	WOOD POWER/UTILITY POLE
	LIGHT POLE
EPB	ELECTRIC PULL BOX
	PHONE RISER
S	SANITARY MANHOLE
	SET 1/2" IRON ROD W/CAP OR NAIL WITH DISC STAMPED LB#6723
	FOUND IRON ROD OR IRON PIPE AS SHOWN
LB	LICENSED BUSINESS
PSM	PROFESSIONAL SURVEYOR & MAPPER
LS	LICENSED SURVEYOR
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
(D)	DESCRIBED
(M)	MEASURED
x100.00	SPOT ELEVATION
⊠100	TREE LOCATION
⊕100	WETLAND FLAG
	BURIED RECLAIMED WATER
	BURIED ELECTRIC
	BURIED TELEPHONE
	BURIED TELEVISION
	BURIED WATER
	BURIED FORCE MAIN
	BURIED GAS
	BURIED FIBER OPTIC



VICINITY MAP (NOT TO SCALE)

CERTIFICATION:

To:

- Apopka Centerline Development, LLC, a Florida limited liability company
- Apopka Development Opportunity LLC, a Delaware limited liability company
- Centerline Capital Advisors, LLC, a Florida limited liability company
- Fidelity National Title Insurance Company
- Chicago Title Insurance Company
- Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009
- Troy S. Bronson and Margaret Marie Coressel as Successor Co-Trustees of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009.
- Binion Partners, LLC, a Florida limited liability company
- Troy S. Bronson Family Limited Partnership, a Florida limited partnership
- Leopold Korn, P.A.

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 3, 5, 8, 11, 13, 18 and 19 of Table A thereof. The field work was completed on July 6, 2021.

Date of Plat or Map:

James L. Rickman, P.S.M. #5633 Allen & Company

ALLEN & COMPANY
Professional Surveyors & Mappers
16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
407 654-5355 *FAX 407 654-5356
admin@allen-company.com

ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY OF BRONSON PROPERTY

SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

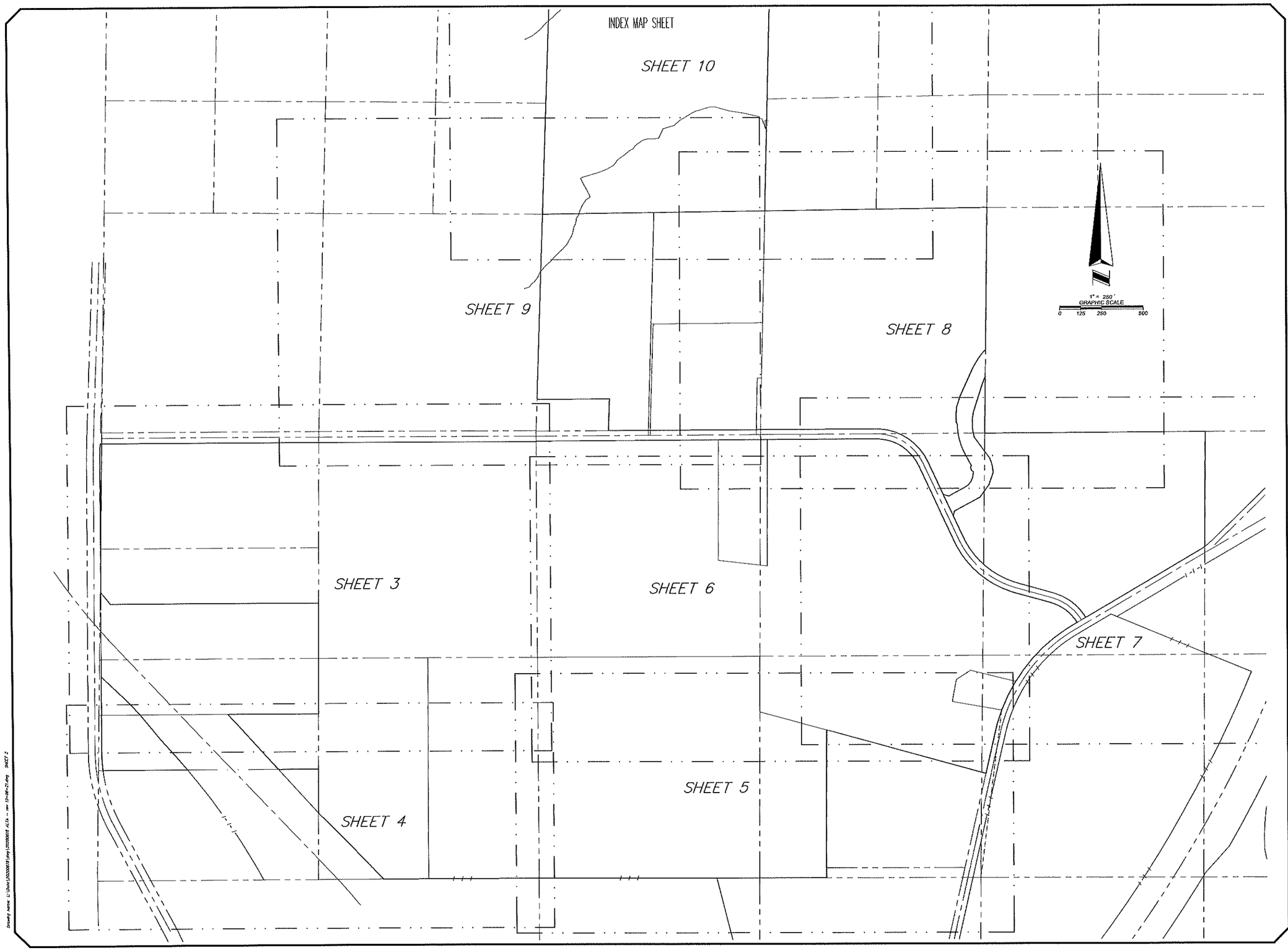
FOR: CENTERLINE CAPITAL

DATE	REVISIONS
12/08/21	ATTY COMMENTS
11/30/21	ADD SURVEY PARCEL 8
10/25/21	ADD SUR. INFO.
7/15/21	ADD SHIRLEY PARCEL
2/22/21	ADD PROPOSED WETLAND
1/21/21	ADD TOPOGRAPHY
12/16/20	ADD TOPOGRAPHY

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 1 OF 12

Drawing name: L:\Work\2020\20618.prj\SURVEY\20618 ALTA - rev 12-08-21.dwg SHEET 1



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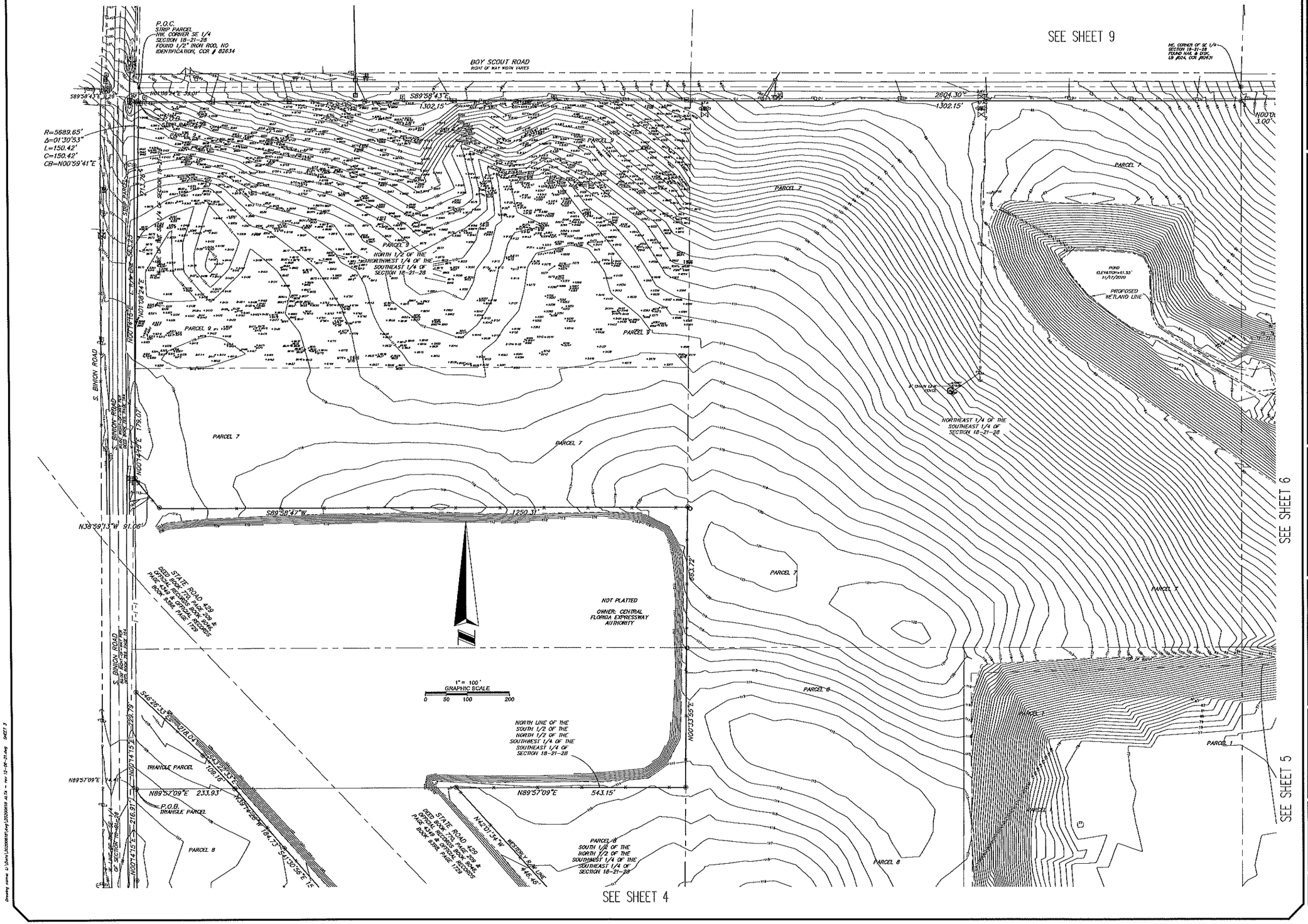
ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
OF
BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

REVISIONS
DATE

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=250'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 2 OF 12



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ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
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BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

DATE	REVISIONS

JOB # 20200618
DATE: 11/9/2020
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CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
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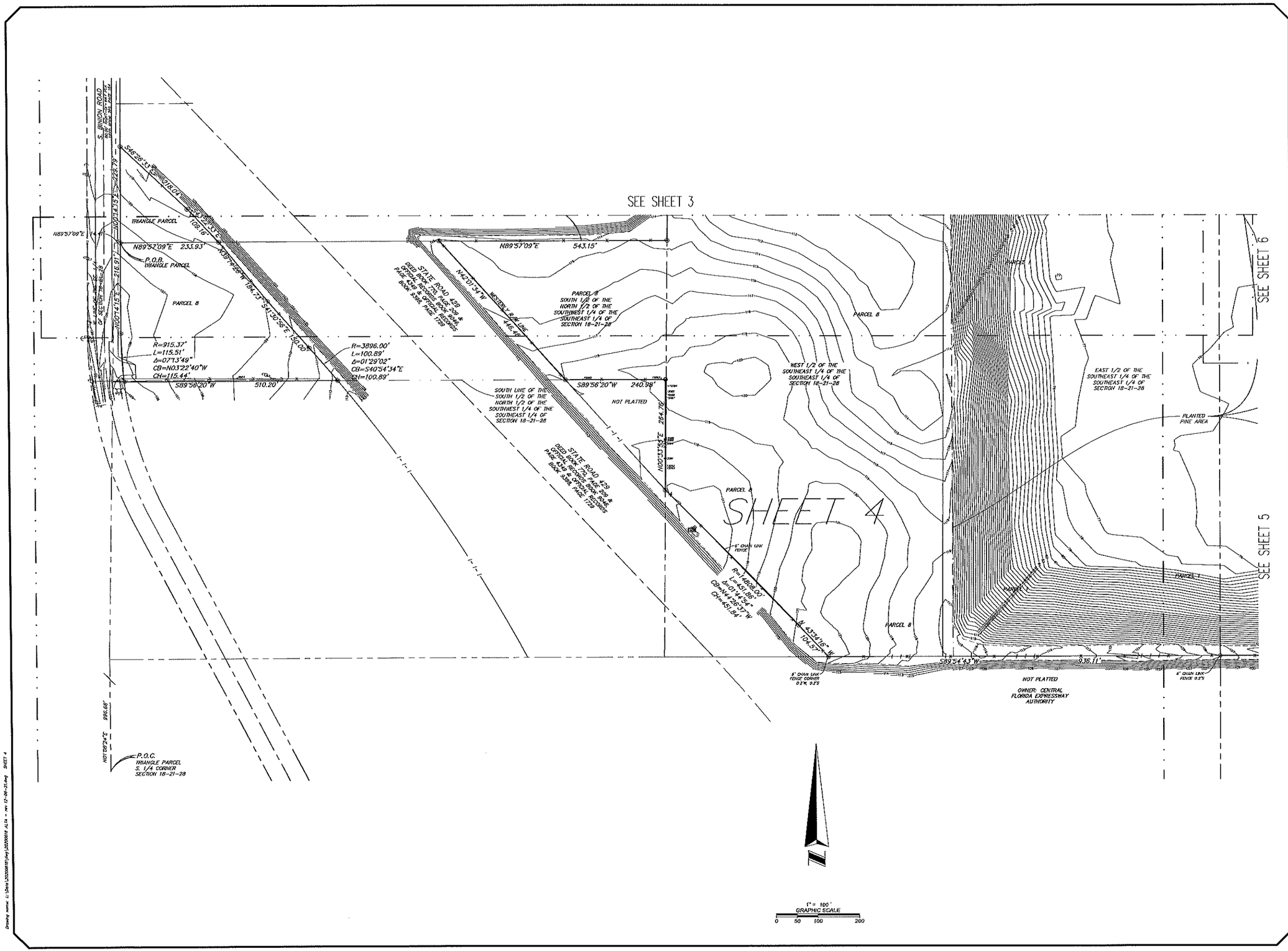
SHEET 3 OF 12



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OF
BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

REVISIONS | DATE

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: RH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 4 OF 12

Drawing name: L:\Data\20200618\dwg\20200618 ALTA - rev 12-04-21.dwg SHEET 4



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ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
OF
BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

REVISIONS	DATE

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
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FIELD BY: BH
DRAWN BY: BRH
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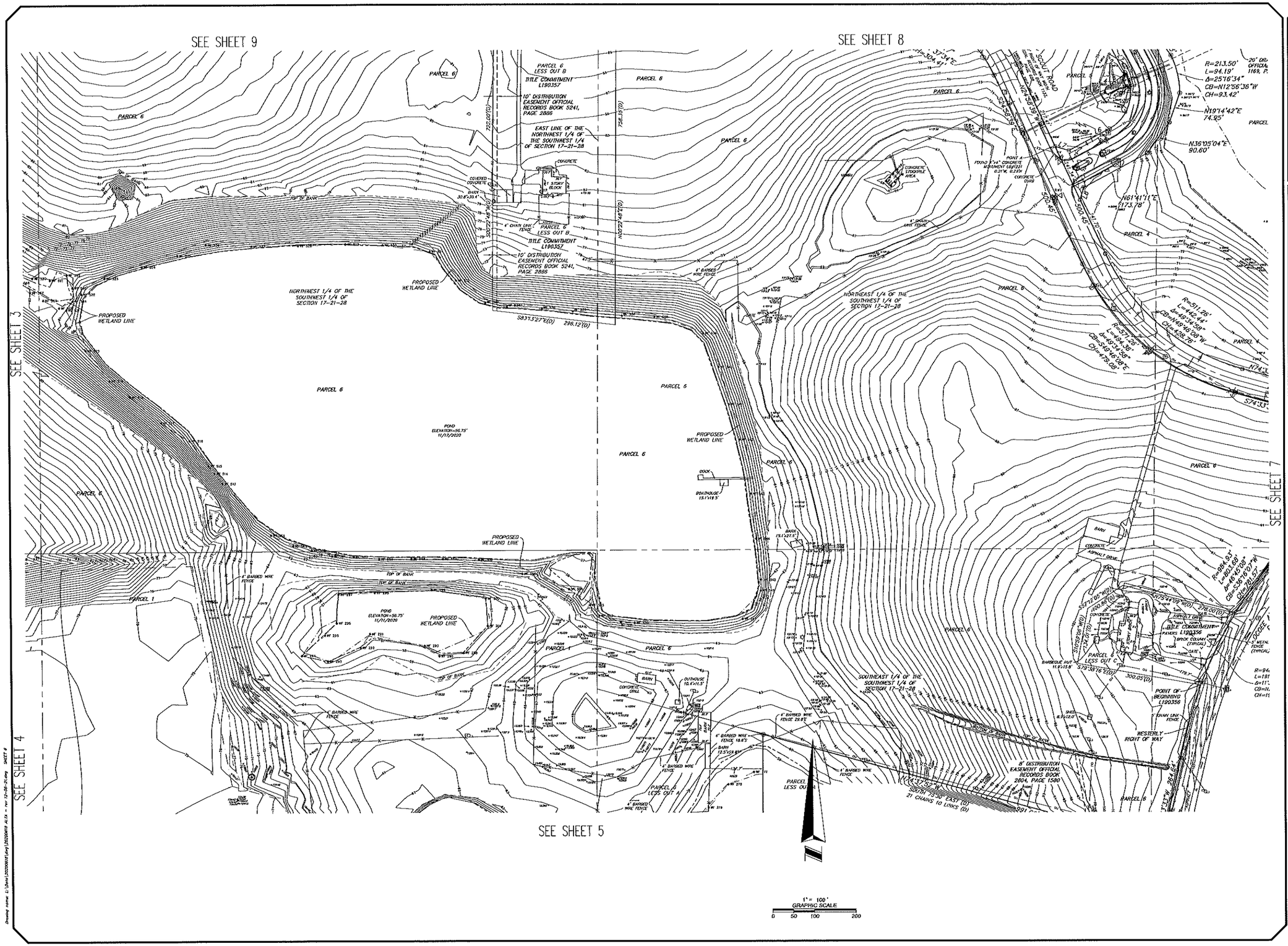
SHEET 5 OF 12



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OF
BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

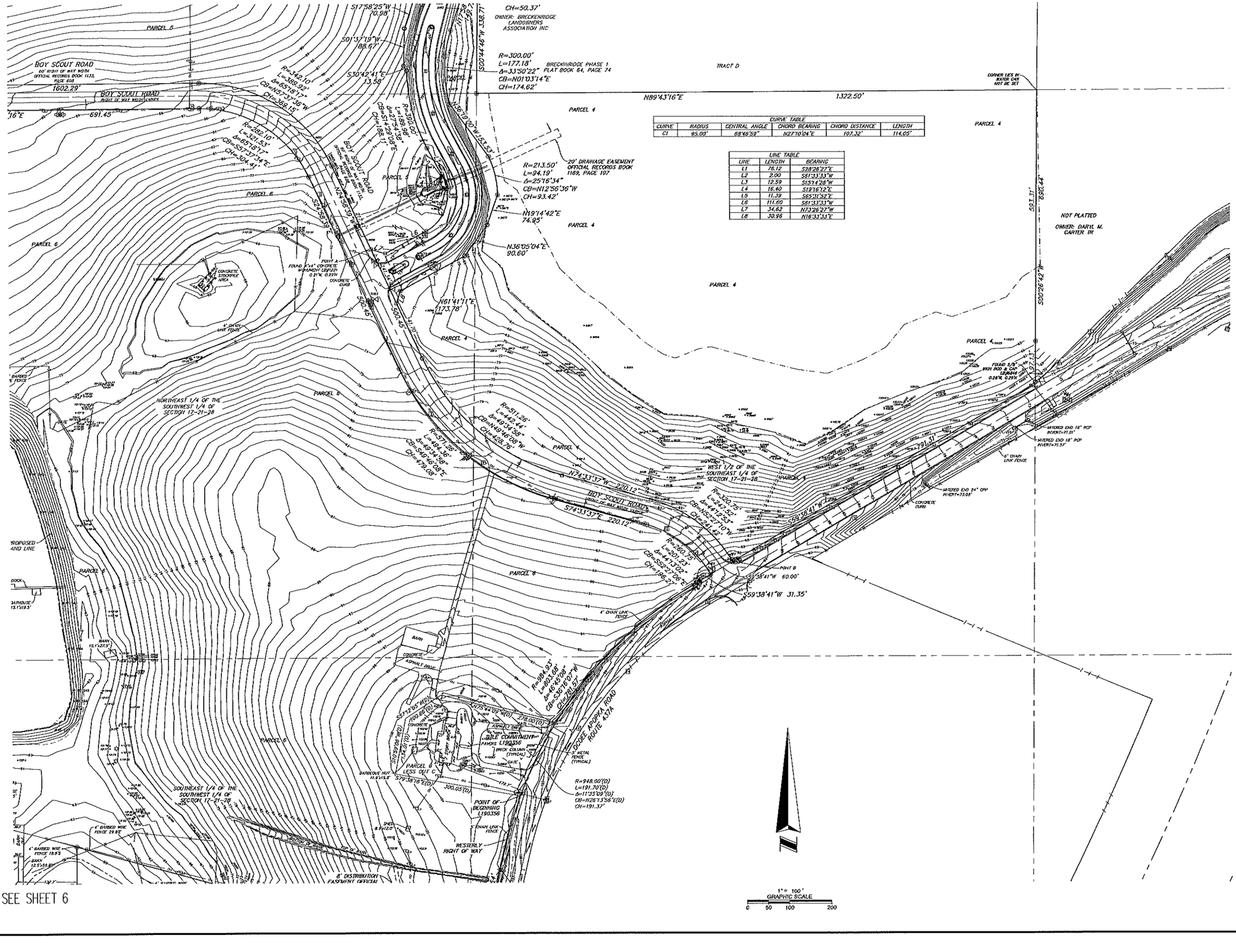
DATE	REVISIONS

JOB # 20200818
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 6 OF 12

Drawing name: L:\Data\2020\200818\dwg\200200818 ALTA - rev 12-04-21.dwg SHEET 6

SEE SHEET 8



SEE SHEET 6

ALLEN & COMPANY
Professional Surveyors & Mappers
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WINTER GARDEN, FLORIDA 34787
407 654-5355 *FAX 407 654-5356
admin@allen-company.com

ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
OF
BRONSON PROPERTY

SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

DATE | REVISIONS

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

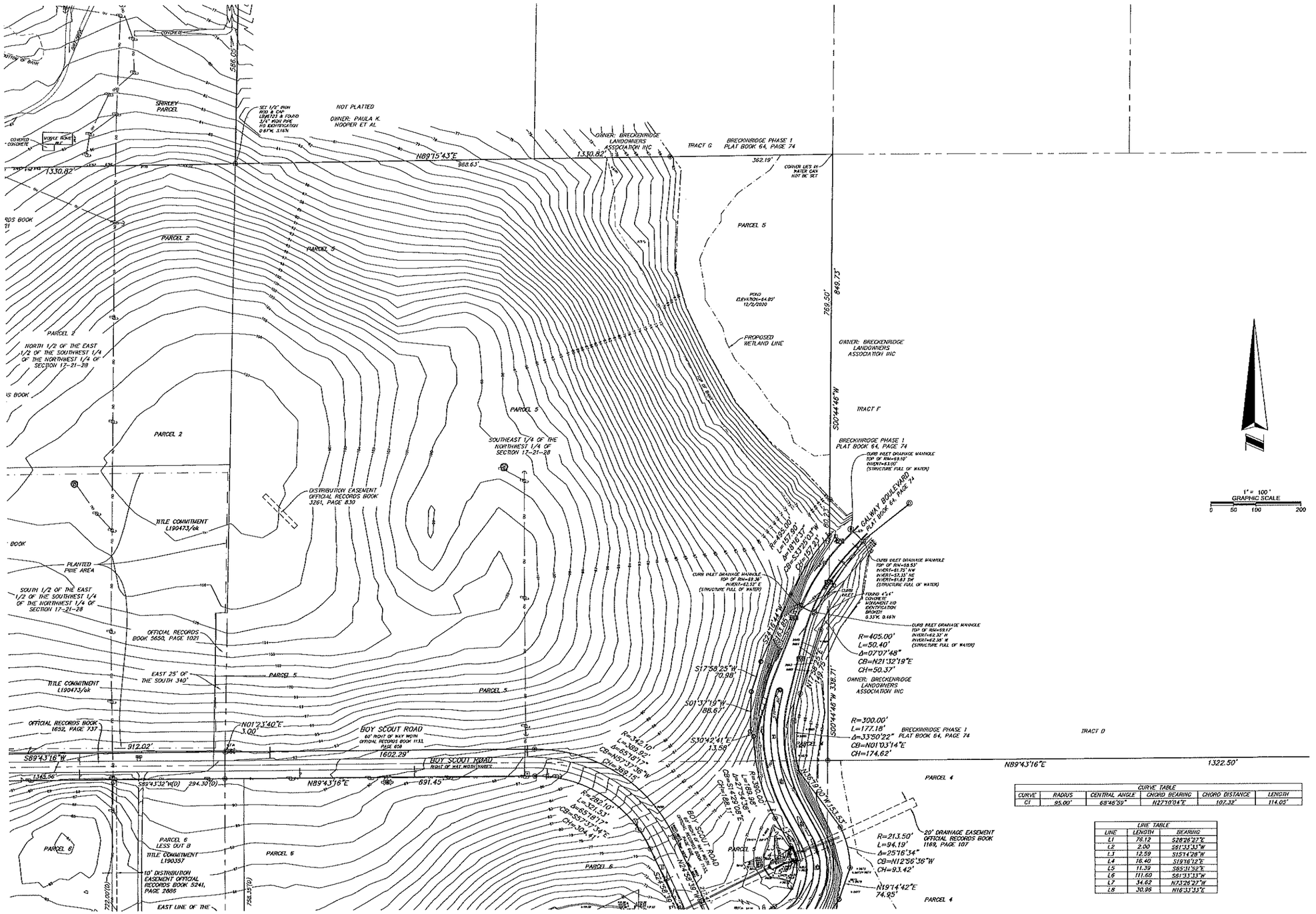
SHEET 7 OF 12

Drawing name: L:\Data\2020\618\Survey\20200618 ALTA - rev 12-08-20.dwg SHEET 7

SEE SHEET 10

SEE SHEET 9

SEE SHEET 7



CURVE TABLE

CURVE	RADIUS	CENTRAL ANGLE	CHORD BEARING	CHORD DISTANCE	LENGTH
C1	95.00'	68°46'39"	N27°10'04"E	107.32'	114.03'

LINE TABLE

LINE	LENGTH	BEARING
L1	76.12	S28°26'27"E
L2	2.00	S61°33'33"W
L3	12.59	S15°14'28"W
L4	16.40	S19°16'12"E
L5	11.39	S85°31'52"E
L6	111.60	S61°33'33"W
L7	34.62	N73°26'27"W
L8	30.95	N16°33'33"E

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ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
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ORANGE COUNTY, FLORIDA

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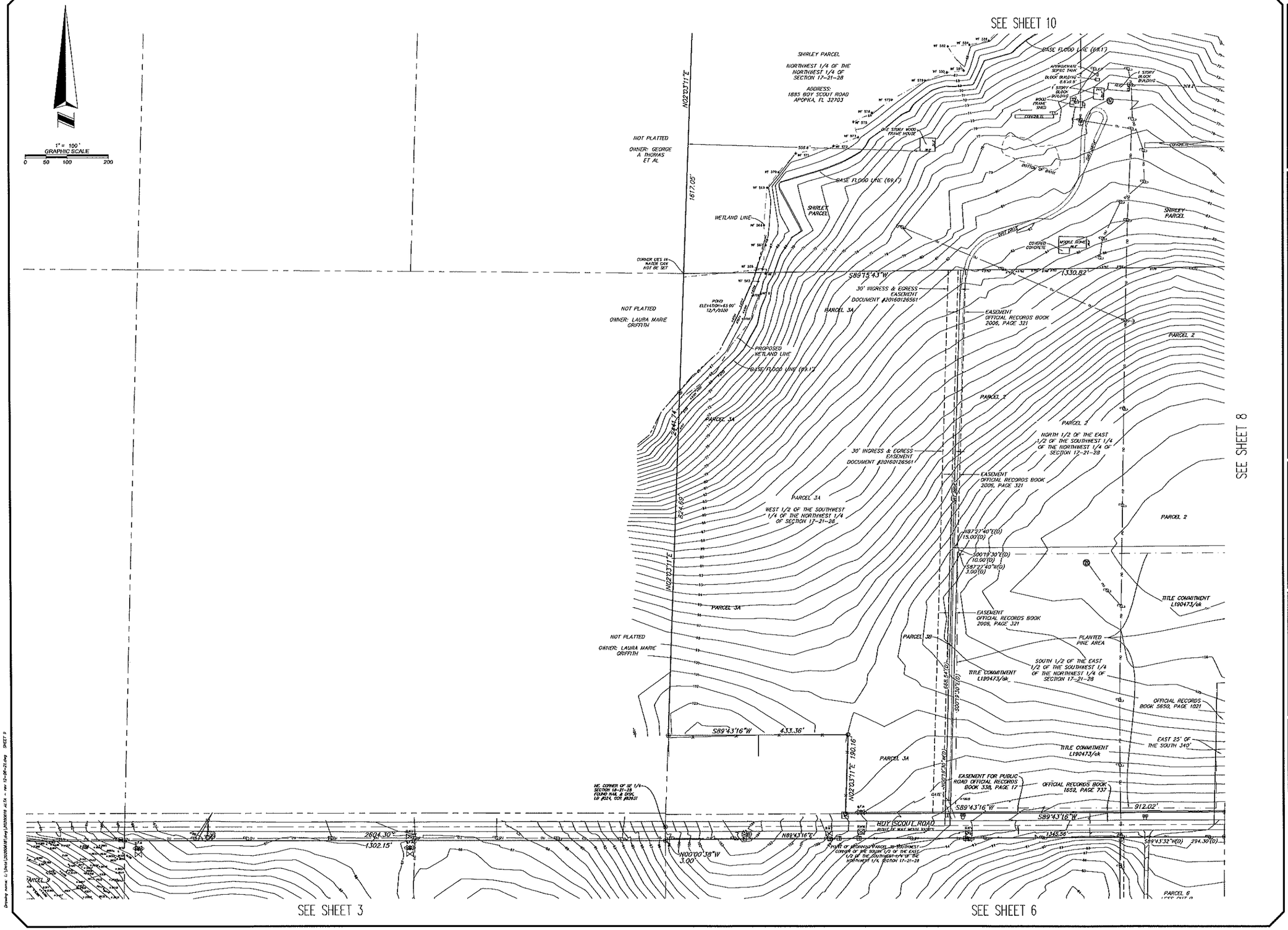
DATE	REVISIONS

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 8 OF 12

Drawing name: I:\Work\2020\618\Survey\20200618 ALTA - rev 12-04-20.dwg SHEET 8



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ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
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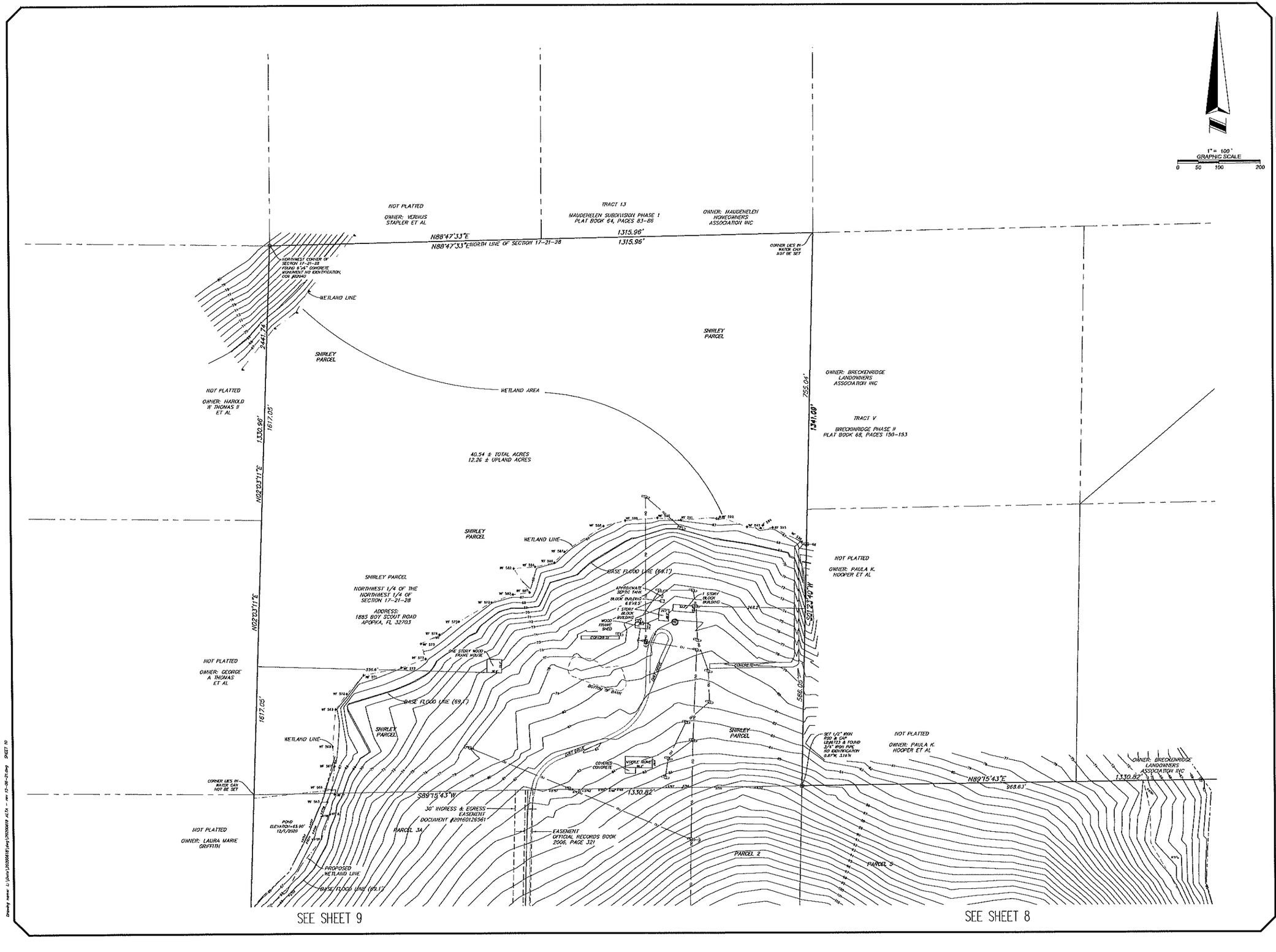
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

DATE	REVISIONS

JOB # 20200516
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 9 OF 12



1" = 100'
GRAPHIC SCALE
0 50 100 200

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ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
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SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

DATE	REVISIONS

JOB # 20200818
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BBH
CHECKED BY: SEJ

SHEET 10 OF 12

TREE TABLE

POINT NUMBER	DESCRIPTION
8299	22" OAK
8300	25" OAK
8301	30" OAK
8302	12" PALM
8303	12" PALM
8304	15" PALM
8305	10" PALM
8306	9" OAK
8307	8" OAK
8308	8-10" OAK
8309	4" OAK
8310	4" OAK
8311	4" OAK
8312	13-8" OAK
8313	14" PALM
8314	4" OAK
8315	4" OAK
8316	32" OAK
8317	12" OAK
8318	7-8" OAK
8319	5" OAK
8320	12" OAK
8321	4" OAK
8322	4" OAK
8323	5" OAK
8324	10" OAK
8325	24" OAK
8326	14" PALM
8327	10" OAK
8328	4" OAK
8329	11-11" OAK
8330	4" OAK
8331	4" OAK
8332	25" OAK
8333	25" OAK
8334	12-10" OAK
8335	8" OAK
8336	15" OAK
8337	24" OAK
8338	26" OAK
8339	15" OAK
8340	13" OAK
8341	10" PALM
8342	24" OAK
8343	12" OAK
8344	25" OAK
8345	12" PALM
8346	24" OAK
8347	5" OAK
8348	5" OAK
8349	27" OAK
8350	4" OAK
8351	14" OAK
8352	10" OAK
8353	9" OAK
8354	12" OAK
8355	12" OAK
8356	15" OAK
8357	11" PALM
8358	12" PALM
8359	8-4" OAK
8360	22" OAK
8361	4" OAK
8362	4" OAK
8363	19" OAK
8364	12" OAK
8365	22" OAK
8366	5" OAK
8367	10" PALM
8368	10" OAK
8369	6" PALM
8370	15-15" OAK
8371	12" OAK
8372	10" PALM
8373	10" OAK
8374	11" PALM
8375	4" OAK
8376	13" OAK
8377	13" OAK
8378	38" OAK
8379	4" OAK
8380	31" OAK
8381	5" OAK
8382	15" OAK
8383	12" PALM
8384	10" OAK
8385	14-10" OAK
8386	14-10" OAK
8387	13" OAK
8388	18" OAK
8389	10-6-5" OAK
8390	4" OAK
8391	13-12" OAK
8392	5" PALM
8393	19-25" OAK
8394	13" PALM
8395	20-15" OAK
8396	6" OAK
8397	16" OAK
8398	4" OAK
8399	11" OAK
8400	4" OAK
8401	12" PALM
8402	8" OAK
8403	8" OAK
8404	29-19" OAK
8405	17" OAK
8406	12" OAK
8407	7" OAK
8408	4" OAK
8409	8" OAK
8412	13" PALM
8413	44" OAK
8414	34" OAK
8415	15-15" OAK
8416	8" OAK
8417	28" OAK
8418	30" OAK
8419	12" PALM
8420	13" OAK
8421	12" PALM
8422	8" OAK
8423	4" OAK
8424	6" OAK
8425	5" OAK
8426	7" OAK
8427	5" OAK
8428	12" OAK
8429	11" PALM
8430	12" PALM
8431	20" OAK
8432	14" PALM
8433	12" PALM
8434	18-10" OAK
8435	4" OAK
8436	5" OAK
8437	15-10-10-7-8" OAK
8438	18" OAK
8439	18" OAK
8440	14-12" OAK
8441	10-7" OAK
8442	15" OAK
8443	13-15" OAK
8444	15" OAK
8445	20" OAK
8446	13" OAK
8447	5" OAK
8448	17" OAK
8449	10" PALM
8450	5" OAK
8451	18" OAK
8452	11" PALM
8453	13" PALM
8454	5" OAK
8455	4" OAK
8456	18" OAK
8457	16" OAK
8458	12" OAK
8460	4" OAK
8461	5" OAK
8462	10" OAK
8463	5-5" OAK
8464	23" OAK
8465	4" OAK
8466	20-22-24" OAK
8467	26" OAK
8468	26" OAK
8469	22-17" OAK
8470	22" OAK
8471	4" OAK
8472	4" OAK
8473	5" OAK
8474	10" OAK
8475	6" OAK
8476	5" OAK
8477	4" OAK
8478	4" OAK
8479	8" OAK
8480	12" PALM
8481	5" OAK
8482	5" OAK
8483	8" OAK
8484	10" OAK
8485	11" PALM
8486	23" OAK
8487	12" PALM
8488	8" OAK
8489	20" OAK
8490	12" PALM
8491	12" PALM
8492	4" OAK
8493	13" PALM
8494	4" OAK
8495	20" OAK
8496	5" OAK
8497	22" OAK
8498	32" OAK
8499	10" OAK
8500	4" OAK
8501	24" OAK
8502	6" PALM
8503	13" OAK
8504	12" OAK
8505	19" OAK
8506	24" OAK
8507	18" OAK
8508	23" OAK
8509	10" OAK
8510	10" OAK
8511	6" OAK
8512	20" OAK
8513	18" OAK
8514	5" OAK
8515	15" OAK
8516	18-8" OAK
8517	16" OAK
8518	15" OAK
8519	4" OAK
8520	4" OAK
8521	10-8" OAK
8522	12-8" OAK
8523	12-10" OAK
8524	10" OAK
8525	11" OAK
8526	12" OAK
8527	15-15" OAK
8528	9-13" OAK
8529	10" OAK
8530	12" OAK
8531	10" PALM
8532	20" OAK
8533	18" OAK
8534	8" OAK
8535	5" OAK
8536	4" OAK
8537	8" PALM
8538	8" PALM
8539	17" OAK
8540	8" PALM
8541	5" OAK
8542	5" OAK
8543	5" OAK
8544	5" OAK
8545	10" PALM
8546	4" OAK
8547	18" OAK
8548	6" OAK
8549	12" OAK
8550	7" OAK
8551	7" PALM
8552	4" OAK
8553	10" OAK
8554	7" OAK
8555	18" OAK
8556	7" OAK
8557	8" OAK
8558	12" OAK
8559	12" OAK
8560	12" OAK
8561	11" OAK
8562	11" OAK
8563	15" OAK
8564	12" OAK
8565	13" OAK
8566	5-5" OAK
8567	4" OAK
8568	15-12" OAK
8569	30" OAK
8570	16" OAK
8571	30" OAK
8572	20" OAK
8573	15" OAK
8574	23" OAK
8575	6" OAK
8576	7" OAK
8577	13" PALM
8578	12" OAK
8579	19" OAK
8580	7" OAK
8581	8" OAK
8582	19" OAK
8583	11" OAK
8584	13" OAK
8585	10" OAK
8586	12" PALM
8587	9-6" OAK
8588	12" OAK
8589	12-12" OAK
8590	10" PALM
8591	10" OAK
8592	4" OAK
8593	4" OAK
8594	5" OAK
8595	13" OAK
8596	9" OAK
8597	7" OAK
8598	11" OAK
8599	6" OAK
8600	8" PALM
8601	8" PALM
8602	4" OAK
8603	6" OAK
8604	19" OAK
8605	12" PALM
8606	10" OAK
8607	13" OAK
8608	7" OAK
8609	9" OAK
8610	13" OAK
8611	7" OAK
8612	4" OAK
8613	17" OAK
8614	11-10" OAK
8615	12" OAK
8616	14-10-10" OAK
8617	10" OAK
8618	15-15" OAK
8619	9" OAK
8620	8" PALM
8621	18" OAK
8622	7" PALM
8623	8" OAK
8624	4" OAK
8625	8" OAK
8626	4" OAK
8627	15" OAK
8628	12" OAK
8629	14" OAK
8632	38" OAK
8633	38" OAK
8634	4" OAK
8635	5" OAK
8636	12" PALM
8637	4" OAK
8638	5" OAK
8639	4" OAK
8640	10" PALM
8641	5" OAK
8642	12" PALM
8643	15" OAK
8644	22" OAK
8645	8" OAK
8646	5" OAK
8647	14" PALM
8648	12" PALM
8649	12" PALM
8650	38" PALM
8651	10" OAK
8652	28" OAK
8653	4" OAK
8654	24" OAK
8655	4" OAK
8656	4" OAK
8657	4" OAK
8658	6" OAK
8659	15" PALM
8660	8" PALM
8661	4" OAK
8662	4" OAK
8663	8" OAK
8664	4" OAK
8665	14-18" OAK
8666	12" PALM
8667	4" OAK
8668	4" OAK
8669	6" OAK
8670	14" OAK
8671	4" OAK
8672	11" PALM
8673	12" PALM
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8676	15-15" OAK
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8678	7-8" OAK
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8680	4" OAK
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8684	12" PALM
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8687	6" OAK
8688	12" PALM
8689	12" PALM
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8691	22" OAK
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8693	18" OAK
8694	13" OAK
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8696	12" OAK
8697	15" OAK
8698	17" OAK
8699	10" OAK
8700	12" OAK
8701	5" OAK
8702	29" OAK
8703	10" OAK
8704	6" PALM
8705	20-18" OAK
8706	10-6" OAK
8707	12" OAK
8708	7" OAK
8709	10" OAK
8710	9" OAK
8711	11" OAK
8712	6" PALM
8713	7" OAK
8714	12" PALM
8715	4" OAK
8716	36" OAK
8717	12" OAK
8718	15" OAK
8719	15" OAK
8720	6" PALM
8721	7" OAK
8722	6" PALM
8723	12" OAK
8724	14" PALM
8725	6-6" OAK
8726	15" OAK
8727	14" OAK
8728	13" PALM
8729	18-12" OAK
8730	19" OAK
8731	5" OAK
8732	10" PALM
8733	11" PALM
8734	5" OAK
8735	19" OAK
8736	24" OAK
8737	11" OAK
8738	7" OAK
8739	8" PALM
8740	15" PALM
8741	10" PALM
8742	8" PALM
8743	18" OAK
8744	18" OAK
8745	6" OAK
8746	7" OAK
8747	10" OAK
8748	19-12" OAK
8749	7" OAK
8750	14" OAK
8751	12" OAK
8752	11" OAK
8753	15" OAK
8754	18" OAK
8755	12" OAK
8756	12" OAK
8757	13" OAK
8758	6" OAK
8759	16" OAK
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8761	10" OAK
8762	10" PALM
8763	14" OAK
8764	15" OAK
8765	4" OAK
8766	10" OAK
8767	15-12" OAK
8768	10" PALM
8769	36" OAK
8770	13" OAK
8771	32" OAK
8772	5" OAK
8773	10-6" OAK
8774	4" OAK
8775	4" OAK
8776	6" OAK
8777	6" OAK
8778	4" OAK
8779	12" PALM
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8782	11" PALM
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8784	6" OAK
8785	4" OAK
8786	14" PALM
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8789	24" OAK
8790	8" PALM
8791	12" PALM
8792	12" PALM
8793	12" OAK
8794	12" OAK
8795	5" OAK
8796	9" PALM
8797	5" OAK
8798	4" OAK
8799	15" PALM
8800	18" OAK
8801	24-20" OAK
8802	15" OAK
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8829	13" OAK
8830	12" PALM
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8833	15" OAK
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8839	10" OAK
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8841	10" OAK
8842	18-10" OAK
8843	7" OAK
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8845	16" OAK
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8847	12-15-15" OAK
8848	12" OAK
8849	24" OAK
8850	15" OAK
8851	24" OAK
8852	13" OAK
8853	16" OAK
8854	11" OAK
8855	6" OAK
8856	12" OAK
8857	5" OAK
8858	15" OAK
8859	15" OAK
8860	6" PALM
8861	10" PALM
8862	12" OAK
8863	11" OAK
8864	21" OAK
8865	7" OAK
8866	7" OAK
8867	15" OAK
8868	8" PALM
8869	12" OAK
8870	9" OAK
8871	13" OAK
8872	14" PALM
8873	20" OAK
8874	10" OAK
8875	15" OAK
8876	13" OAK
8877	4" OAK
8878	8" PALM
8879	8" OAK
8880	18" OAK
8881	18" OAK
8882	4" OAK
8883	4" OAK
8884	8" OAK
8885	12" OAK
8886	12-12" OAK
8887	12" OAK
8888	4" OAK
8889	10" OAK
8890	12" OAK
8891	7" OAK
8892	18" OAK
8893	14" OAK
8894	8" OAK
8895	15" OAK
8896	14" OAK
8897	8" OAK
8898	8" OAK
8899	15" OAK
8900	17" OAK
8901	14" OAK
8902	16" OAK
8903	16" OAK
8904	4" OAK
8905	18-15" OAK
8906	4" OAK
8907	5" OAK
8908	8" OAK
8909	6" OAK
8910	10" PALM
8911	4" OAK
8912	18" OAK
8913	10-10" OAK
8914	5" OAK
8915	5" OAK
8916	4" OAK
8917	6" OAK
8918	36" OAK
8919	36" OAK
8920	30" OAK
8921	4" OAK
8924	12" PALM
8925	15" PALM
8926	32" OAK
8927	30" OAK
8928	11" PALM
8929	7" OAK
8930	20" OAK
8931	6" OAK
8932	6" OAK
8933	5" OAK
8934	10" OAK
8935	10" OAK
8936	7" OAK
8937	16" PALM
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8942	36" OAK
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8944	26" OAK
8945	32" OAK
8946	14" OAK
8947	26" OAK
8948	4" OAK
8949	6" OAK
8950	5" OAK
8951	5" OAK
8952	32" OAK
8953	7" OAK
8954	9" OAK
8955	4" OAK
8956	4" OAK
8957	20" OAK
8958	24" OAK
8959	6" OAK
8960	5" OAK
8961	5" OAK
8962	5" OAK
8963	26" OAK
8964	20" OAK
8965	20" OAK
8966	5" OAK
8967	5" OAK
8968	23" OAK
8969	12" PALM
8970	13" PALM
8971	18" OAK
8972	4" OAK
8973	4" OAK
8974	13" PALM
8975	25" OAK
8976	5-6" OAK
8977	15" OAK
8978	18-11-21" OAK
8979	34" OAK
8980	13" OAK
8981	22" OAK
8982	4" OAK
8983	4" OAK
8984	15-8" OAK
8985	20" OAK
8986	20-24-13" OAK
8987	11" OAK
8988	16" OAK
8989	18" OAK
8990	12" OAK
8991	7" OAK
8992	13-6" OAK
8993	19" OAK
8994	7" OAK
8995	24" OAK
8996	12" OAK
8997	4" OAK
8998	25-10" OAK
8999	17" OAK
9000	12" OAK
9001	13" PALM
9002	7" OAK
9003	13-12-4" OAK
9004	20" OAK
9005	12" OAK
9006	8" OAK
9007	12" OAK
9008	4" OAK
9009	13" OAK
9010	4" OAK
9011	6" OAK
9012	4" OAK
9013	23" OAK
9014	5" OAK
9015	18-20" OAK
9016	5" OAK
9017	4" OAK
9018	15" PALM
9019	5" OAK
9020	5" OAK
9021	4" OAK
9022	6" OAK
9023	12" OAK
9024	10" OAK
9025	10" OAK
9026	15" OAK
9027	8" OAK
9028	12" OAK
9029	16" OAK
9030	20" OAK
9031	20" OAK
9032	10" PALM
9033	14" PALM
9034	14" PALM
9035	16" PALM
9036	38" OAK
9037	48" OAK
9038	12" PALM
9039	20" OAK
9040	15" OAK
9041	18" OAK
9042	8-7" OAK
9043	5" OAK
9044	10" OAK
9045	15" PALM
9046	22-7" OAK
9047	13" PALM
9048	4" OAK
9049	24" OAK
9050	5-6" OAK
9051	16-6" OAK
9052	23" OAK
9053	12" PALM
9054	16" OAK
9055	8" OAK
9056	14" PALM
9057	24" OAK
9058	8" PALM
9059	13" OAK
9060	15" OAK
9061	7" OAK
9062	17" OAK
9063	13" PALM
9064	12" OAK
9065	12" OAK
9066	14" OAK
9067	8-5" OAK
9068	15" PALM
9069	18" OAK
9070	17" OAK
9071	19" OAK
9072	12" OAK
9073	15" OAK
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9075	14" OAK
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9077	18" OAK
9078	16" OAK
9079	18" OAK
9080	12" PALM
9081	6" OAK
9082	5" OAK
9083	4" OAK
9084	4" OAK
9085	13" OAK
9086	36" OAK
9087	15-15" OAK
9088	8" OAK
9091	13" PALM
9092	15" PALM
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9101	4" OAK
9102	12" PALM
9103	13" PALM
9104	10-15-18" OAK
9105	15" PALM
9106	5" OAK
9107	6" OAK
9108	5-6" OAK
9109	10" OAK
9110	15" PALM
9111	12" PALM
9112	12" PALM
9114	12" PALM
9115	10" PALM
9116	14" PALM
9117	30" OAK
9118	15" PALM
9119	24" OAK
9120	12" OAK
9121	14" PALM
9122	19" OAK
9123	24" OAK
9124	11-11" OAK
9125	18" OAK
9126	8" OAK
9127	15" OAK
9128	13" OAK
9129	12" OAK
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9132	12" PALM
9133	8" OAK
9134	10" OAK
9135	12" OAK
9136	15" OAK
9137	8" OAK
9138	10" PALM
9139	10" PALM
9140	16" PALM
9141	7" OAK
9142	7" OAK
9143	8" OAK
9144	7" OAK
9145	15" PALM
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9148	4" OAK
9149	4" OAK
9150	4" OAK
9151	4" OAK
9152	6" OAK
9153	6" OAK
9154	6" OAK
9155	13" PALM
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9157	17-15" OAK
9158	15" OAK
9159	7" OAK
9160	15" PALM
9161	9" OAK
9162	7" OAK
9163	11" OAK
9164	5" OAK
9165	5" OAK
9166	15" PALM
9167	10" OAK
9168	6" OAK
9169	15" OAK
9170	4" OAK
9171	4" OAK
9172	13" OAK
9173	12" PALM
9174	4" OAK
9175	6" OAK
9176	7" OAK
9177	5" OAK
9178	4" OAK
9179	18" PALM
9180	6" OAK
9181	6" OAK
9182	4" OAK
9183	17" OAK
9184	20" OAK
9185	15" PALM
9186	18" OAK
9187	6" PALM
9188	16" OAK
9189	4" OAK
9190	12" OAK
9191	15" OAK
9192	11" OAK
9193	18" OAK
9194	10" PALM
9195	10" OAK
9196	29" OAK
9197	7" OAK
9198	4" OAK
9199	4" OAK
9200	8" OAK
9201	24" OAK
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9203	13" OAK
9204	10" PALM
9205	15" OAK
9206	5" OAK
9207	16" OAK
9208	7" OAK
9209	14" OAK
9210	17" OAK
9211	8" OAK
9212	9" OAK
9213	13" OAK
9214	18" OAK
9215	11-6" OAK
9216	14-9" OAK
9217	7" OAK
9218	18" OAK
9219	18" OAK
9220	13" OAK
9221	14" OAK
9222	16" OAK
9223	4" OAK
9224	4" OAK
9225	4" OAK
9226	4" OAK
9227	6" OAK
9228	6" OAK
9229	8" OAK
9230	7" OAK
9231	7" OAK
9232	13" PALM
9233	12" OAK
9234	18" OAK
9235	4" OAK
9236	18-12-6-6" OAK
9237	24" OAK
9238	15" OAK
9239	4" OAK
9240	10" OAK
9241	8" OAK
9242	24" OAK
9243	20-18" OAK
9244	13" PALM
9245	11" PALM
9246	5" OAK
9247	5-5" OAK
9248	10" OAK
9249	10" OAK
9250	4" OAK
9251	20-23-12" OAK
9252	10" OAK
9253	26" OAK
9254	14" PALM
9255	20" OAK
9256	20" PALM
9257	4" OAK
9258	5" OAK
9259	12" PALM
9260	18" OAK
9261	14" OAK
9262	11" OAK
9263	8" OAK
9264	11" PALM
9265	6" OAK
9266	4" OAK
9267	5" OAK
9268	4" OAK
9269	5" OAK
9270	18" PALM
9271	10" OAK
9272	7" OAK
9273	5" OAK
9274	4" OAK
9275	5" OAK
9276	5" OAK
9277	12" OAK
9278	10" OAK
9279	9" OAK
9280	12" OAK
9281	9" OAK
9282	10-12" OAK
9283	11-11" OAK
9284	18" PALM
9285	6" OAK
9286	11" OAK
9287	9" PALM
9288	18" OAK
9289	6" OAK
9290	6" OAK
9291	10-5" OAK
9292	12" PALM
9293	9-16" OAK
9294	6" OAK
9295	8" OAK
9296	26" OAK
9297	7" OAK
9298	13-5" OAK
9299	14" PALM
9300	6" OAK
9301	10" PALM
9302	10" OAK
9303	7-5" OAK
9304	11-9" OAK
9305	15" PALM
9306	7" PALM
9307	9-7" OAK
9308	8" OAK
9309	11" PALM
9310	14-15" OAK
9311	4" OAK
9312	11" OAK
9313	4" OAK
9314	18" OAK
9315	8" OAK
9316	10" PALM
9317	4" OAK
9318	24" OAK
9319	10" OAK
9320	6" OAK
9321	13" OAK
9322	26" OAK
9323	10" OAK
9324	12" OAK
9325	8" OAK
9326	4" OAK
9327	6" OAK
9328	6" OAK
9329	10" PALM
9330	15" PALM
9331	5" OAK
9332	4" OAK
9333	4" OAK
9334	7" OAK
9335	7" OAK
9336	11" PALM
9337	20" OAK
9338	12" OAK
9339	8" OAK
9340	12-4" OAK
9341	10" OAK
9342	13" OAK
9343	12" OAK
9344	5" OAK
9345	14" OAK
9346	15-18" OAK
9347	15" PALM
9348	6" OAK
9349	15" PALM
9350	15" PALM
9351	9" OAK
9352	12" OAK
9353	6" PALM
9354	8" PALM
9355	15-15" OAK
9356	15-12" OAK
9357	6" OAK
9358	7" OAK
9359	8" PALM
9360	24" OAK
9361	5" OAK
9362	8" OAK
9363	6" OAK
9364	25" OAK
9365	8" PALM
9366	11" OAK
9367	18" OAK
9368	15" OAK
9369	4" OAK
9370	4" OAK
9371	14" PALM
9372	10" OAK
9373	10" OAK
9374	7" OAK
9375	12" OAK
9376	40" OAK
9377	18" OAK
9378	18" OAK
9379	15" OAK
9380	12" PALM
9381	12" PALM
9382	36" OAK
9383	14" PALM
9384	4" OAK
9385	18-12" OAK
9386	15-12" OAK
9387	10" OAK
9388	15" OAK
9389	19" OAK
9390	18-9" OAK
9391	15" OAK
9392	15" OAK
9393	4" OAK
9394	5" OAK
9395	22" OAK
9396	8" PALM
9397	8-9" OAK
9398	20" OAK
9399	18" OAK
9400	8" OAK
9401	15" OAK
9402	8" PALM
9403	30-15" OAK
9404	5" OAK
9405	14" PALM
9406	15" OAK
9407	18" OAK
9408	12" PALM
9409	22" OAK
9410	18" OAK
9411	15" PALM
9412	11" OAK
9413	15" PALM
9414	20" OAK
9415	4" OAK
9416	5" OAK
9417	12-13" OAK
9418	9" OAK
9419	12" PALM
9420	10" OAK
9421	5" OAK
9422	6" PALM
9423	13" OAK
9424	13" OAK
9425	8" PALM
9426	24" OAK
9427	15" PALM
9428	4" OAK
9429	9" OAK
9430	5" OAK
9431	10" OAK
9432	7" OAK
9433	4"

TREE TABLE

POINT NUMBER	DESCRIPTION
9527	19" OAK
9528	11-11" OAK
9529	7" OAK
9530	15" OAK
9531	36" OAK
9532	7" OAK
9533	10" OAK
9534	15" OAK
9535	5" OAK
9536	8" PALM
9537	14" PALM
9538	22" OAK
9539	30" OAK
9540	10" PALM
9541	18" OAK
9542	15" OAK
9543	12" OAK
9544	15" OAK
9545	4" OAK
9546	5" OAK
9547	20" OAK
9548	11" PALM
9549	6-6-8" OAK
9550	14-14" OAK
9551	24" OAK
9552	19" OAK
9553	19" OAK
9554	22" OAK
9555	8" OAK
9556	20" OAK
9557	19-16" OAK
9558	25" OAK
9559	18" OAK
9560	24" OAK
9561	15-15" OAK
9562	12" OAK
9563	8" OAK
9564	15" PALM
9565	14-6" OAK
9566	15" PALM
9567	4-8-8" OAK
9568	14" PALM
9569	11" PALM
9570	10" PALM
9571	18" OAK
9572	5-5" OAK
9573	4" OAK
9574	18" OAK
9575	31" OAK
9576	26" OAK
9577	36" OAK
9578	15" PALM
9579	15" PALM
9580	12" PALM
9581	20-20" OAK
9584	21" OAK
9585	13" PALM
9586	20" OAK
9587	20" OAK
9588	24" OAK
9589	23" OAK
9590	15" PALM
9591	18-4" OAK
9592	18" OAK
9593	18" OAK
9594	10" OAK
9595	17" OAK
9596	4" OAK
9597	13" OAK
9598	8-8" OAK
9599	12" OAK
9600	15" PALM
9601	9" OAK
9602	20" OAK
9603	32" OAK
9604	8-5-5" OAK
9605	24" OAK
9606	26" OAK
9607	20-15" OAK
9608	4" OAK
9609	10" OAK
9610	10" OAK
9611	5" OAK
9612	28" OAK
9613	12-10" OAK
9614	11" OAK
9615	27" OAK
9616	12" OAK
9617	24" OAK
9618	18-9-12" OAK
9619	18" OAK
9620	10" OAK
9621	15" OAK
9622	15-11" OAK
9623	11" OAK
9624	18" OAK
9625	20-18-18" OAK
9626	9" OAK
9627	14" OAK
9628	20" OAK
9629	12" PALM
9630	6" PALM
9631	5" OAK
9632	4" OAK
9633	15" OAK
9634	12" OAK
9635	6" OAK
9636	8" OAK
9637	10" PALM
9638	10" OAK
9639	20" OAK
9640	20-12" OAK
9641	4" OAK
9642	13" OAK
9643	24" OAK
9644	5" OAK
9645	20-15" OAK
9646	18-10-5" OAK
9647	8" PALM
9648	4" OAK
9649	34-12" OAK
9650	16" OAK
9651	12" PALM
9652	8" PALM
9653	15" OAK
9654	11" OAK
9655	12" OAK
9656	15-8" OAK
9657	5" OAK
9658	13" OAK
9659	7" OAK
9660	12-11-5" OAK
9661	20" OAK
9662	15" OAK
9663	18-11-9" OAK
9664	20-10" OAK
9665	12" PALM
9666	15" PALM
9668	5" OAK
9669	4" OAK
9670	30-14" OAK
9671	12" OAK
9672	12" OAK
9673	4" OAK
9674	12" PALM
9675	6" OAK
9676	26" OAK
9677	27" OAK
9678	24" OAK
9679	37" OAK
9680	18-9-15-8" OAK
9681	6" OAK
9682	13" OAK
9683	19" OAK
9684	6" OAK
9685	12" PALM
9686	12" PALM
9717	12" PALM
9719	10" OAK
9720	16" OAK
9721	18-12" OAK
9722	14" OAK
9723	14" OAK
9724	15" OAK
9725	19" OAK
9726	10-6" OAK
9727	12" PALM
9728	18" OAK
9729	12" PALM
9757	34" OAK
9761	39" OAK
9762	15" PALM
9764	14" PALM
9765	36-30" OAK
9766	12" PALM
9767	10" PALM
9768	15" PALM
9770	20" OAK
9773	48" OAK
9791	32" OAK
9797	10" PALM
9810	12" PALM
9811	12" PALM
9812	14" PALM
9813	10" PALM
9814	15" PALM
9817	5" OAK
9818	54" OAK
9819	10" PALM
9820	8" OAK
9821	13" OAK
9822	8" OAK
9823	12" PALM
9824	13" OAK
9825	15" OAK
9826	11" OAK
9827	13" OAK
9828	8" PALM
9829	11" OAK
9830	8" OAK
9831	34" OAK
9832	5" OAK
9836	10" PALM
9837	12-12-12-12" PALM
9838	24-22" OAK
9839	12" OAK
9840	15" PALM
9841	12" PALM
9842	15" PALM
9843	10" PALM
9844	15" PALM
9845	10" PALM
9846	12" PALM
9847	12" PALM
9848	10" PALM
9849	12" PALM
9850	15" PALM
9851	15" PALM
9852	15" PALM
9853	15" PALM
9854	12" PALM
9855	15" PALM
9856	15" PALM
9860	15" PALM
9861	11" PALM
9872	7-5" OAK
9873	8" OAK
9874	35" OAK
9875	16" OAK
9876	10" OAK
9877	10-8" OAK
9878	10" MAPLE
9879	9" MAPLE
9880	7" MAPLE
9881	10" PALM
9882	7" MAPLE
9883	10" MAPLE
9884	11" MAPLE
9885	9" MAPLE
9886	12" MAPLE
9895	19" PALM
9896	15" PALM
9897	13" PALM
9898	20-17" OAK
9899	14" OAK
9900	30" OAK
9901	12" PALM
9902	20" OAK
9903	12" OAK
9904	13" PALM
9905	12-8" OAK
9906	15" PALM
9907	10" OAK
9908	15" PALM
9909	12" PALM
9910	22" OAK
9911	15" PALM
9912	15" PALM
9913	14" PALM
9914	12" PALM
9915	18" PALM
9916	18" PALM
9917	12" OAK
9918	6" PALM
9919	10" PALM
9920	6" PALM
9921	28" OAK
9922	25" OAK
9923	13" OAK
9924	9" PALM
9925	22" OAK
9926	19" OAK
9927	10" PALM
9928	8" PALM
9929	10" PALM
9930	18" OAK
9931	15" OAK
9932	8" PALM
9933	19" OAK
9934	20" OAK
9935	14" PALM
9936	12" PALM
9937	12" PALM
9938	28" OAK
9939	12" PALM
9940	19" OAK
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9943	12" PALM
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9947	14" PALM
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9951	12" PALM
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9953	14" OAK
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9955	13" OAK
9956	12" PALM
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9963	4" OAK
9964	18" OAK
9965	18" OAK
9966	19" OAK
9967	20" OAK
9968	15" OAK
9969	13" OAK
9970	5" OAK
9971	4" OAK
9972	12-12" PALM
9973	12-12-12" PALM
9974	11" OAK
9975	8" OAK
9976	6" OAK
9977	4-4" OAK
9978	10" OAK
9979	8" OAK
9980	10" OAK
9981	5" OAK
9982	6-4" OAK
9983	4" OAK
9984	10" PALM
9985	4" OAK
9986	10-12" PALM
9987	19" OAK
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9994	6" OAK
9995	20" OAK
9996	6" OAK
9997	18" OAK
9998	15" PALM
9999	10" OAK
10000	20" OAK
10001	12" OAK
10002	13" PALM
10003	18" OAK
10004	12" PALM
10005	25" OAK
10006	18" OAK
10007	18" OAK
10008	12" PALM
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10014	12" PALM
10015	12" PALM
10016	18" OAK
10017	24" OAK
10018	30" OAK
10019	8" OAK
10020	50" OAK
10021	20" OAK
10022	18" OAK
10023	27" OAK
10024	8" PINE
10025	14-9" OAK
10026	10" OAK
10027	24" OAK
10028	20" OAK
10029	8" OAK
10030	10-8" OAK
10031	6" OAK
10032	4-4" OAK
10033	7" OAK
10034	15" OAK
10035	30" OAK
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10044	4" OAK
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10048	22" OAK
10049	11" PALM
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10052	18" OAK
10053	18" OAK
10054	16-6" OAK
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10057	18" OAK
10058	24" OAK
10059	10" PALM
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10061	4" OAK
10062	5" OAK
10063	19-19" OAK
10064	10" PALM
10065	10" PALM
10066	10" PALM
10067	10" PALM
10068	12" PALM
10069	10" PALM
10070	13" PALM
10071	30" OAK
10072	15" OAK
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10075	6" OAK
10076	4" OAK
10077	7" OAK
10078	5" OAK
10079	6" OAK
10082	6" OAK
10083	18" PALM
10084	12" PALM
10085	14" PALM
10086	18" PALM
10087	12" PALM
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10089	12" PALM
10090	15" PALM
10091	15" PALM
10092	15" PALM
10093	18" PALM
10097	18" PALM
10098	18" PALM
10099	18" PALM
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10102	18" OAK
10103	18" OAK
10104	18" OAK
10105	18" OAK
10106	20" OAK
10107	12" PALM
10108	12" PALM
10109	12" PALM
10110	10" PALM
10111	16" OAK
10112	11" OAK
10113	10" OAK
10114	8" OAK
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10140	12" PALM
10141	12" PALM
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10143	18" PALM
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10145	17" PALM
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10168	38" OAK
10169	13" PALM
10170	48" OAK
10171	18-22-8" OAK
10172	12" PALM
10173	15-20" OAK
10174	30" OAK
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10180	12" PALM
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10193	42-24" OAK
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10363	10-12" PALM
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10464	5" OAK
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10467	4" OAK
10468	5" OAK
10469	4-4-4" OAK
10470	6" OAK
10471	5" OAK
10472	52" OAK
10473	24" OAK
10474	45" OAK
10475	6-4-5-4" OAK
10476	30-32-24-24" OAK
10477	10-10" OAK
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10480	5-5-6-5" OAK
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admin@allen-company.com

ALTA/NSPS LAND TITLE BOUNDARY, TOPOGRAPHIC & TREE SURVEY
OF
BRONSON PROPERTY
SECTION 17 & 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

FOR: CENTERLINE CAPITAL

DATE	REVISIONS

JOB # 20200618
DATE: 11/9/2020
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: DH
DRAWN BY: BRH
CHECKED BY: SEJ

SHEET 12 OF 12

Drawing name: c:\Data\2020\Survey\20200618 ALTA - rev 12-04-20.dwg SHEET 12

CITY OF APOPKA

Minutes of the City Council regular meeting held on July 21, 2021 at 7:00 p.m., in the City of Apopka Council Chambers.

PRESENT: Mayor Bryan Nelson
Commissioner Doug Bankson
Commissioner Kyle Becker
Commissioner Alexander Smith
Commissioner Diane Velazquez
City Administrator Edward Bass
City Attorney Michael Rodriguez

PRESS PRESENT: John Peery, The Apopka Chief

INVOCATION – Commissioner Smith provided the Invocation and led in the Pledge of Allegiance. He then recited the Fact of the Day as follows: On July 21, 2011, NASA's space shuttle program completes its final, and 135th, mission, when the shuttle Atlantis lands at Kennedy Space Center in Florida. During the program's 30-year history, its five orbiters—Columbia, Challenger, Discovery, Atlantis and Endeavour—carried more than 350 people into space and flew more than 500 million miles, and shuttle crews conducted important research, serviced the Hubble Space Telescope and helped in the construction of the International Space Station, among other activities. NASA retired the shuttles to focus on a deep-space exploration program.

APPROVAL OF MINUTES

1. Regular Council Meeting Minutes of June 7, 2021.

Mayor Nelson asked if anyone had any questions about the minutes. Commissioner Velazquez requested additional content be added to one of the public comments and asked if we can move this to the next meeting to allow time for this.

Mayor Nelson said we will postpone the approval until the next meeting.

AGENDA REVIEW

Edward Bass, City Administrator Edward Bass advised that there were no changes to the Agenda.

PUBLIC COMMENT PERIOD

Gary McSweeney, 1629 Spinfisher Drive, Apopka, FL 32712, and President of the Rock Springs Ridge HOA provided an update Rock Springs Ridge. He said we had a meeting today with the golf

group/developer/owner of the golf course lands. He said the HOA and that group put together a declaration of intent. He said this is a 7-point document from a white board and sent forward that outlines our understanding of what our agreement is. He said this been forwarded to the Mayor, where it will be articulated in a more formal way. He said based upon the combined review with the Commissioners, we will react to that and within a short period of time, we'll put together the written documents, which will be prepared by Kurt Ardamon, our Attorney. He said in order to give you confidence that the majority of people in Rock Springs Ridge are for this agreement, they're prepared to rent out the Amphitheater and said we can have you speak and have Kurt Ardamon there to answer any questions. He said we could have tables to sign up so that everything will be a hub of activity.

Mayor Nelson said during the week you won't need to rent it and asked him to be sure to get Susan on board so we can get this published so it will be a Sunshine meeting so that all of the Commissioners can come and weigh in as well. . He said the sooner the better.

Gary said that he feels the residents will be very favorable to this agreement. He said if there are any changes, it is what it is and we're all here to work together. He said this has been a long-time issue with Rock Springs Ridge and with the City and the developer and said the fact that we can come together as a three-way partnership here to make this work is pretty outstanding. He said much of it has to do with the Mayor in that he afforded us the opportunity to voice ourselves to voice even opposition to what is being proposed in an effort to try to and make all parties comfortable. He said this has been a real tribute to Apopka and its leadership.

Commissioner Velazquez asked if all of the residents were sent a letter asking them if they were interested in this. She said it was asked of the HOA during the meetings to send to all of the residents in Rock Springs Ridge, a small questionnaire as to whether they're interested in the purchase. She said she is being contacted by residents that are not on board and said it's likely that the other Commissioners are as well. She said she's assuring them that at some point, the HOA is going to send this letter to each individual household to ask them.

Gary said that we will be doing that over the next two weeks and said we're hopeful to have our meeting at the amphitheater 2 weeks from yesterday. He said we will be putting out information of our collective thoughts on this and said we just put the package together on his today and said prior to today, it's been somewhat in transition. He confirmed that they will make everyone aware of what this agreement is and how it will affect them.

Commissioner Velazquez asked that before you present that to the households, will you ask them if they're interested. She said at previous HOA meetings, it was asked if a letter will be sent to ask people if they're interested to which Gary said we can certainly do that as a part of this process. She said she represents the residents of Rock Springs Ridge and said this will give her the confidence to vote on something to move ahead. She said that's all she's asking.

Mayor Nelson asked Gary to put the list of the items we've talked about today at the bottom and said that way people can vote for both. He said we're not here to mandate what Rock Springs Ridge does and said we're not making the decision. He said we're providing the opportunity to the residents of Rock Springs Ridge to buy it or not and said they have the ability to do what they want to do.

Gary said on April 27th when the Mayor made his presentation and the Commissioners were all on stage with him, he said there was a significant outcry.

Commissioner Becker interjected and said that should not be indicative and said that there could've been people there that were part of the audience in the dissent. He said to Commissioner Velazquez's point, whenever you survey your neighborhood, it needs to be a binary yes or no with facts to support it.

CONSENT (Action Item)

1. Approve and Execute the Purchase and Sale Agreement for Camp Wewa.
2. Execute Release of Code Enforcement Lien for My Three Sons, LLC - 495 Sheeler Avenue Apopka, Florida.
3. Authorize the Mayor to sign the State of Florida transfer form, transferring the mobile command post from the OCSO to the City of Apopka.
4. Authorize the execution of piggyback contracts for fiscal year 2021.
5. Accept the disbursement report for June 2021.
6. Accept the third quarter Budget to Actual Report; beginning April 1, 2021 and ending June 30, 2021.

Mayor Nelson asked if anyone had any questions or needed to pull any of the other items from the Consent Agenda.

Commissioner Becker asked about item #6 and said this isn't just a quarterly report, it looks like it's total year to date.

Edward confirmed that this is year to date and said if you recall, two meetings ago, we provided a quarter report and said you'll get this report monthly and said this is an annual accounting so this is FY to date.

Commissioner Bankson asked to pull item #1 so he can vote on that separately. He said he also wanted to comment on item #3 and said that's tremendous thing for our ability to respond.

Mayor said Orange County Sheriff's office had a really nice command center and asked Chief McKinley to brief us on this.

Chief McKinley said that the Orange County Sheriff's office, using Urban Area Security Initiative Funding in 2004, applied for a mobile command post and received the vehicle and said it's a 2006 Freightliner and said the cost was a little over $1 million dollars at the time. He said it's been kept indoors as they have a great big warehouse facility they keep all their specialty vehicles in and said it hasn't been exposed to the exterior. He said he took Charlie from Fleet and Rob from IT and they went down and looked at it to make sure everything was functioning properly. He said they just took it to Freightliner and had them go through it and fixed a couple of things including hydraulic lines for the slide outs. He said our current command post is small and this gives us about 3 times the space. He said we can use it as a unified command with Police and Fire if needed during a critical incident. He said due to the funding they used, they can't sell it so they put it out to give it away. He said he claimed first right or refusal so we're going to accept it providing you all accept it. He said we've offered Winter Garden our current command post and said there is a little issue with the flooring. He said they're coming to look at this next week and if you all agree, we'll then donate this to the Winter Garden Police Department.

Mayor Nelson asked for a motion to approve item #'s 2-6 on the Consent Agenda.

MOTION by Commissioner Bankson, and seconded by Commissioner Becker to approve item #'s 2-6 on the Consent Agenda. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker, Smith & Velazquez voting aye.

Mayor Nelson then asked for a motion to approve item # 1 and execute the Purchase and Sale Agreement for Camp Wewa.

MOTION by Commissioner Smith, and seconded by Commissioner Becker to approve item # 1 and execute the Purchase and Sale Agreement for Camp Wewa. Motion carried 4-1 to approve with Mayor Nelson, and Commissioners Becker, Smith & Velazquez voting aye and Commissioner Bankson voting nay.

MILLAGE RATE (Action Item)

1. Approve and Set the Proposed Fiscal Year 2021-22 Millage Rate.
   Presented by: Edward Bass

Edward Bass, City Administrator, provided an overview and said as you know, every year, we have to set the proposed millage rate and notify the Property Appraiser so that they can mail the notices out for the Property Taxes for the upcoming FY22 fiscal year. He said it's been a long week, we've had 3 workshops and have been through all of the line items of the departments and heard their requests and needs. He said he'll go through the budget you have before you tonight and will try and go through the lines and try and cover everything we covered in the workshops and significant items that you need to be aware of for your benefit as well as the Public. He said keep in mind, as

you look through this budget, it does not include Camp Wewa. He said you have just recently approved the purchase agreement for Camp Wewa so now Camp Wewa will need to be put into this budget. He said keep in mind, as you look through this budget, it does not include Camp Wewa. He said you have just recently approved the purchase agreement for Camp Wewa so now Camp Wewa will need to be put into this budget. He said as you saw tonight in your workshop from the Recreation Department, that is pretty much a break- even scenario. He said what we'll do is adjust this to reflect the increase in revenues and expenses and said the revenues will go up by a little more than $1 million dollars and the expense side will go up by $1 million dollars. He said Camp Wewa will be a separate cost center so we will add a separate line to this budget under Recreation's budget as we're going to keep those expenditures separate. He said that being neutral or break even, it won't have an impact on needing an increase into the revenues at this point. He said as we go through the revenues, he'll show you if we're using any reserves and specific reserves, he'll highlight as well. He said as you recall, we talked about some of the Duke Energy dollars to fund certain projects so I'll point those out as we move forward.

Commissioner Becker asked who was tracking this over the last 3 days as and asked how confident are we that this is the budget. He said he saw the lead in packet and what the staff recommendation is for millage rate.

Edward said that the budgets you received were the original budgets submitted by the departments. He said the Mayor and I went through these budgets with each department and said the presentations they presented to you at the workshops reflect those changes that were updated from the original budget package you have to what you'll see in this packet. He said this packet includes the original numbers that you saw in their presentations. He said he'll point this out to you as you we go along. He said you'll be setting the millage rate tonight and said it's hard to go up but we can go down before we get to September. He said in addition, he wants the public to know that we're also setting our first tentative hearing which will show on their proposed property tax bill. He said there are 2 hearings that will be held after 5:00 p.m. and said that in both of those hearings, the budget will be presented as the State numbers are still not finalized and won't be until August when the Revenue Estimating Council meets.

He said he'll start with the budget calendar that's in your packet and you can see that we're here tonight to set the proposed millage rate and said you'll see the dates of the budget workshops we've just gone through and said we must notify the Property Appraiser of the proposed millage rate by July 30th. He said there are dates included in this calendar in the event that we need to have another workshop. He said the CRA Budget will be brought forward on August 18, 2021 at 6:00 p.m. and said as you know, this is a separate board and separate budget. He said we're anticipating the date to be September 8, 2021 at 5:15 p.m., at City Hall for the First Reading and Public Hearing of the Tentative Budget and said you'll set this date tonight. He said we have to submit an ad to the paper before the next meeting and we'll schedule our Second Reading and Final Public Hearing, which will be the final meeting to adopt the millage rate and the Budget on September 15, 2021.

He said as a reminder, Council approved the meeting change from September 1, 2021 to September 8th, 2021 and this is reflected on our website.

He reviewed the changes to our personnel including proposed new positions, lateral changes and promotions. He said you'll note that under support services for Police, the 10 new officers are not in here as we're waiting to hear about the COPS Grant and said that would be an adjustment we'll need to make to this line. He said as you know their capital and their equipment is already in here. He said, also on Police, you'll see 1 additional support, new employee for the Code Enforcement officer. He said you'll see 2 dispatch positions for dispatch communications and said that as you recall, the Police Chief spoke about adding those and said they're included in this budget. He said Community Development will be adding 2 positions under Building Safety including 1 new inspector and 1 new Permit Clerk. He said Public Services has requested to add 1 Sanitation Equipment Operator and this is included in this budget. He said Facilities Maintenance requested an Electrician and said this is also included in this budget. Parks, Athletics and Events, requested 5 total positions and said 3 have been added into Parks and 2 have been added into Athletic Events. He said overall, you can see that last year, we had 479 approved and authorized positions and we've added 12 new positions in this budget and removed 1 position so we're at a total of 490 total full-time positions in this proposed budget.

Commissioner Bankson asked about the Clerk's office request to move the part-time position to full-time and asked if that in this budget to which Edward said this position is still in the budget as a part-time position.

Edward said this is the schedule that shows the millage rate and said that from FY21-FY22, our tax base went up a little over $397 million dollars and equates to a 10.4% increase in taxable assessed value. He said you can see that last year, our tax base generated almost $15.5 million dollars, based on a millage rate of 4.2876. He said this current budget FY22 is balanced using 4.1876, which is a tenth of a mil reduction and said this budget will generate an additional $1 million dollars from the Municipal Service Tax from the electric, water and gas bills. He said with that millage rate of 4.1876, it will generate an additional $1.2 million dollars over the last fiscal year or about 7.8% increase in property tax revenue. He said the scenarios on the bottom are what it would generate if we were to go to the roll-back rate; if you maintain the same current rate; and; what it would generate with the reduction of the .10 mil. He said the reduction of the .10 mil, would equal a $400,000 reduction to the budget. Edward spoke about the projected General Fund Revenues and said you can see property taxes represent 41.5% of the revenues that come in to fund the General Fund. He said licenses and permits reflect 12%; intergovernmental revenue (sales tax) reflects 19%; charges for services are at 7%; fines and forfeiture are at 1%; miscellaneous revenue is about 2.1%. He said transfer from other funds there is about 13%; transfer from reserves reflects 2.8%. He said 3% of this budget is being balanced with the reserves and said that as you know, we've built those reserves to 32% so this impact on the reserves will still leave the reserves at that 25%.

He said this budget is balanced currently at the millage rate of 4.1876 right at $57 million dollars. He said this is almost a 9% increase over last years fiscal year budget. He said this is one of the biggest increases we've had in the General Fund in a long time.

Edward said when you look at the Expenditures side, you can see that the Public Safety is at 60% and said it hovers around that percentage in just about every jurisdiction and said as you can see, with all of the money that's coming in, it's still maintaining that 60%. He said Community Development is a little over 4.5% of the budget; Recreation is 10% which is common in most jurisdictions; Public Services is a little more than 5%; Debt Service is 4%; Transfer to other funds is 2.4%; Administration is 11.7% and the Finance Department is right at 1.8%. He said on the expenditure side, this is balanced at $57 million dollars and said this budget is currently balanced at the millage rate of 4.1876.

He said another area that's critical to watch is your intergovernmental revenues and said that you can see that your state revenue sharing number is down so these numbers will probably change when the Revenue Estimating Council meets in August. He said the local government ½ cent sales tax is your actual sales tax number that is split with the County in all of the jurisdictions. He said you'll see that this is a little over 2% increase in that number but it's relatively flat and the projection for FY22 is not much of an increase. He said these numbers are subject to change but overall, you have less than 2% increase in your sales tax revenue and said this is a big revenue source. He said over the years, that has been $10 million dollars plus over the years. He said it's important for us to watch this number. He said the fees for the Orange County Services is the contract that we have to provide services to the Orange County Service Area and said there's a 3% increase in here and said this is the ad-velorum revenue that we get from the County to provide the Fire Service to that area and said this number is also dependent on Orange County's tax rate. He said we've added that increase in there for growth however as noted, this can change. He said the items that we went through tonight and that we reviewed in the workshops are the items that are in this budget. He said any items that you add this evening, we would need to balance that so we'll need to take from somewhere else. He said we're setting our millage rate tonight and said keep in mind that we can go down but it's difficult to go up.

Commissioner Becker said the business before us is just the millage rate. He said sometimes the millage gets a lot of focus and said it's at 4.28 right now and said we're the lowest of any full-service City and asked why staff is suggesting a 4.18 millage rate for the sacrifice of $400,000 when after hearing critical needs across the departments after the last few days. He said we talked about going for grants but those aren't guaranteed.

Edward said the water and wastewater you mentioned has nothing to do with the millage rate is an Enterprise Fund and is set based upon the utility rates so when the utility rate study comes to you, it will lay that out and you'll set that utility rate to fund those needs and said that will come at a later date. He said the millage rate is only for the services you see before you tonight.

Commissioner Bankson said if we're coming down the .10 mil to offset what they're going to be paying now through a different tax so they're not paying lower, they'll have to pay the roll-back rate to actually pay the same so it's actually an increase. He said to keep them where they're at, we'd have to go to the roll-back rate and said we have all of this uncertainty and we have to give ourselves that buffer that if there's something missing, and we don't realize it, we don't want to leave ourselves short.

Commissioner Velazquez said that there are so many things we need to fund and said that with the Police Department going for a grant, we don't know if they'll fund 5 officers or the full 10 yet and said if we roll this back from where we currently are, we're going to be back where we always are. She said the level of service will be the same, yet we're still growing and don't have the revenues from the newer developments yet. She said keeping it the same will give us that buffer. Commissioner Smith said he's in favor of leaving the millage rate where it is and if we need to in September, we can roll it back. He said he would like to see the position that the Clerk asked for become a full-time position and said that Fire asked for some additional personnel and said let's look at what we can do for them as well.

Mayor Nelson said he wanted to remind everyone that last March when Covid hit, we were 6 months into our budget and we were able to balance our budget where we lost $3 million dollars in 6 months. He said we have a great team and said we understand how to manage our budget and said we worked hard to put together a budget that will meet the needs of the residents; have a lot of funds available for grant opportunities as they come along and still give our residents a slight decrease in property taxes to offset their Municipal Service Tax increases.

Mayor Nelson then asked for a motion to approve and set the proposed millage rate of 4.2876.

MOTION by Commissioner Bankson, and seconded by Commissioner Becker to approve to and set the proposed millage rate of 4.2876. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

Edward said we need to set the tentative budget hearing date for September 8, 2021 at 5:15 p.m.

Mayor Nelson then asked for a motion to set the tentative budget hearing date for September 8th, 2021 at 5:15 p.m.

MOTION by Commissioner Smith, and seconded by Commissioner Becker to set the tentative budget hearing date for September 8th, 2021 at 5:15 p.m. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

BUSINESS (Action Item)

1. Designate an official voting delegate for the Florida League of Cities annual conference.
   Presented by: Edward Bass

Edward Bass said that every year, the Florida League of Cities has their annual conference and I believe all of you are planning to attend. He said we're required to designate an official voting delegate that will represent the City of Apopka at this conference so we need a motion to elect someone to serve as the delegate.

Commissioner Bankson said he would make a motion to have Commissioner Smith serve as our delegate.

Mayor Nelson said we have a MOTION by Commissioner Bankson, and seconded by Commissioner Velazquez, to designate Commissioner Alexander Smith as the voting delegate for the Florida League of Cities annual conference. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

2. Major Development Plan – Apopka 429
Owner: Cypress Business Park, LLC
Applicant: Kimley-Horn & Associates, c/o Jason A. Lewis
Location: 4670 W Orange Blossom Trail
Project: 246.18 +/- acres
Project Manager: Bobby Howell

Bobby Howell said the applicant is requesting approval of the Major Development Plan for a parcel located Southwest of US 441 and West of the Apopka Airport. He said the Major Development Plan details the development of infrastructure servicing a proposed industrial warehouse development totaling 2,471,040 square feet on 246.8 acres, He said this major development plan is only for infrastructure and not for the buildings that are depicted on the major development plan. He said the internal roadway is proposed for construction leading from Orange Circle by the airport, up to Wesley Road, and terminating at US 441. He said the intersection is proposed to be a signalized intersection at full project build out and provided a summary of the additional onsite improvements.

Mayor Nelson asked if anyone else had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to approve the Major Development Plan for the Apopka 429 project.

MOTION by Commissioner Bankson, and seconded by Commissioner Smith, approve the Major Development Plan for the Apopka 429 project. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)

1. Ordinance No. 2838 – Second Reading - Small Scale – Future Land Use Amendment – Golden Gem Property (-066)
From: County Rural

To: Mixed-Use
Owner: Carl C. and Donna S. Redder
Applicant: GL Summit Engineering c/o Geoffrey L. Summit, P.E.
Location: Southwest corner of Sadler Road and Golden Gem Road
Project: 1.79 +/- acres; Density: 5 du/acre minimum, 10 du/acre maximum
Project Manager: Jean Sanchez

Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were no changes.

Bobby Howell then provided a brief update as regards to OCPS. He said he spoke with Christopher Mills, the facilities planning manager for OCPS and said he indicated that the school board is looking to do a Workshop for elected officials with regard to capacity and concurrency. He said everyone should have received the information for all of the developments regarding capacity.

Commissioner Becker said we received preliminary data from School Board Member Byrd about a month ago and she had provided a list of all of the current OCPS schools that were over capacity including current enrollment was and their percentage. He said you've provided a list of all of the developments that have capacity reservations from the beginning of this year and said this provided a directional view and he thanked him for this. He said we as a board need to advocate to our school board member to make sure that those funds stay here in Apopka and don't get allocated elsewhere.

Mayor Nelson said Bobby ran some numbers on what we've paid into school impact fees for the last three years and said we'd like to go back to when the last school was built which was Wolf Lake.

Bobby stated the impact fees that were sent from the City to the school board for the years 2019, 2020 & 2021, were $10,944,832.68 and said according to Christopher Mills, the cost for the K-8 was $28,521,195.78.

Mayor Nelson said Bobby will go a little further back to when Wolf Lake Elementary and Middle Schools were being built in order to track where we're at with the money we're sending them. He then asked if anyone had any other questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2838.

MOTION by Commissioner Smith, and seconded by Commissioner Velazquez to adopt Ordinance No. 2838. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

2. Ordinance No. 2839 – Second Reading – Small Scale – Future Land Use Amendment – Golden Gem Property (-085)

From: County Rural
To: Mixed-Use
Owner: Carl C. and Donna S. Redder
Applicant: GL Summit Engineering c/o Geoffrey L. Summit, P.E.
Location: Southwest corner of Sadler Road and Golden Gem Road
Project: 8.62 +/- acres; Density: 5 du/acre minimum, 10 du/acre maximum
Project Manager: Jean Sanchez

Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2839.

MOTION by Commissioner Bankson, and seconded by Commissioner Velazquez to adopt Ordinance No. 2839. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

3. Ordinance No. 2840 – Second Reading - Floridian Town Center - Change of Zoning and approval of PD Master Plan
From: Transitional (T)
To: Planned Development (PD)
Owner: Collier Benge Land Joint Venture LLC
Applicant: Andrew McCowan, GAI Consultants, Inc
Location: North of West Orange Blossom Trail and west of S.R. 429
Project: 73.93 +/- acres (0-15 dwelling units per acre, maximum of 0.25 Floor Area Ratio)
Project Manager: Phil Martinez
Postponed to date certain August 18, 2021

Bobby Howell announced that staff and the applicant are requesting to postpone the Second Reading of Ordinance No. 2840 to a date certain of Wednesday, August 18, 2021 in order to allow time to work out issues related to the development agreement.

MOTION by Commissioner Smith and seconded by Commissioner Bankson to adopt Ordinance No. 2840 to a date certain of Wednesday, August 18, 2021 in order to allow additional time to work out issues related to the development agreement. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

4. Ordinance No. 2841 – Second Reading - Change of Zoning, Assignment of KPI neighborhood overlay district and Master Plan – Plymouth Sorrento Assemblage
   From: Transitional (T)
   To: Kelly Park Interchange Mixed Use (KPI-MU) and neighborhood overlay
   Owner: Klepzig Family Trust, Klepzig Dennis R Life Estate, Klepzig Joann Life Estate, Min Sun Cho, Hong Sik Kim and Deok Hwa Kim
   Applicant: Pulte Homes Company, LLC c/o Aaron Struckmeyer
   Location: East of SR 429, west of Plymouth Sorrento Road, and south of Joey McGuckin Road
   Project: 50.79 +/- acres; Density: 5 du/acre maximum; Proposed 3.5 du/ac
   Project Manager: Jean Sanchez

   Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2841.

   MOTION by Commissioner Bankson, and seconded by Commissioner Velazquez to adopt Ordinance No. 2841. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

5. Ordinance No. 2845 – Second Reading - Change of Zoning, Assignment of KPI neighborhood overlay district and Master Plan – Oakview
   From: Agriculture District (AG)
   To: Kelly Park Interchange Mixed Use (KPI-MU) and neighborhood overlay
   Owner: Kent A. Greer and Annie M. Greer
   Applicant: Ben Snyder, Hanover Land Company
   Location: South of W. Kelly Park Road and east of Round Lake Road
   Project: 39.6 +/- acres; Proposed Maximum Density: 2.85 dwelling units per acre, Maximum Density Permitted: 5 dwelling units per acre
   Project Manager: Phil Martinez

   Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2845.

   MOTION by Commissioner Smith, and seconded by Commissioner Velazquez to adopt Ordinance No. 2845. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

6. Ordinance No. 2848 – Second Reading – Annexation – Roper Property

Owner: Bert E. Roper and Barbara C. Roper Family Limited Liability Partnership
Applicant: JCF Living c/o Tara Tedrow
Location: Located west of SR 429 and north of Hooper Farms Road
Project: 1.53 +/- acres
Project Manager: Jean Sanchez

Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2848.

MOTION by Commissioner Smith, and seconded by Commissioner Becker to adopt Ordinance No. 2848. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

7. Ordinance No. 2850 – Second Reading - Small Scale – Future Land Use Amendment – Golden Gem Property
   From: County Rural (1 DU/10 AC)
   To: Mixed-Use (5-10 DU/AC AND/OR 0.5-0.75 FAR)
   Owner: PMDW Ventures, LLC
   Applicant: GL Summit Engineering c/o Geoffrey L. Summit, P.E.
   Location: Southwest corner of Sadler Road and Golden Gem Road
   Project: 9.86 +/- acres; Density 5 du/acre minimum, 10 du/acre maximum
   Project Manager: Jean Sanchez

   Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2850.

   MOTION by Commissioner Becker, and seconded by Commissioner Velazquez to adopt Ordinance No. 2850. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

8. Ordinance No. 2852 – Second Reading – Annexation – 1002 S Hawthorne Ave
   Owner: City of Apopka
   Applicant: City of Apopka, c/o Richard Earp

Location: 1002 S Hawthorne Ave
Project: 0.52 +/- acres
Project Manager: Allyson Williams

Mayor Nelson asked if there have been any changes since the first reading to which Bobby Howell advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2852.

MOTION by Commissioner Smith, and seconded by Commissioner Bankson to adopt Ordinance No. 2852. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

9. Ordinance No. 2858 – Second Reading - Change of Zoning and approval of the PD Master Plan– The Ridge
From: Residential Single-Family Estate (RSF-1A), Community Commercial (C-C) and Mixed- Use East Shore Gateway (MU-ES-GT)
To: Planned Development (PD)
Owners: Troy S. Bronson Family LP; John and Donna Marie Kirkland; Binion Partners, LLC; and Apopka Centerline
Development, LLC
Applicant: VHB c/o John Prowell, P.E.
Location: North of south of Boy Scout Road; west of SR 451
Project: 366 +/- acres; Density: 15 du/ac maximum; 1321 total dwelling units proposed
Project Manager: Jean Sanchez

Mayor Nelson asked if there have been any changes since the first reading.

Bobby Howell said as a point of clarification, on the Master Plan, the minimum unit size for the townhomes is 1,350 square feet and the staff report said he minimum unit size was 1,800 square feet and explained that 1,800 square feet is for the townhome pad itself. He said that is in the master plan as presented at the first reading. He said other than that, there are no changes.

Mayor Nelson asked if any had any questions or if anyone from the public wished to speak on this item.

Dion Ross, 664 Longford Loop, Apopka, FL. He said he's the HOA President for Breckenridge and said that one of his concerns with this project is the major impact that this will cause on our entrance. He said anyone traveling Boy Scout Road knows that at our call box, we only have a 2-car stacking and whenever that delays, we have cars lining up in the street.

Erica Hughes, VHB, 225 E. Robinson, Orlando, FL 32801 spoke on behalf of the applicant and said as a part of their PD Agreement, there will be an extensive transportation improvement plan that we're dedicated to and that includes improvements along Boy Scout Road. She said we've been in contact with Breckenridge and have sent them our plans in order to keep them in the loop and understand the sensitivity to that entrance area.

Rod Olsen, 3156 Rolling Hills Lane, Apopka, FL, commented that this will be an additional 400-500 kids and said when OCPS opened Wolf Lake Elementary and Middle School approximately 15 years ago, there were 46 portables and we still have 46 portables. He said we keep adding and adding. Mayor Nelson asked if anyone else wished to speak and hearing none, he asked for a motion to adopt Ordinance No. 2858.

MOTION by Commissioner Becker, and seconded by Commissioner Velazquez to adopt Ordinance No. 2858. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

10. Ordinance No. 2860 – Second Reading - Registration of Residential Property subject to foreclosure actions.
Presented by: Michael Rodriguez

Mayor Nelson asked if there have been any changes since the first reading to which Michael Rodriguez, City Attorney, advised there were none. He then asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Ordinance No. 2860.

MOTION by Commissioner Bankson, and seconded by Commissioner Smith to adopt Ordinance No. 2860. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

11. Ordinance No. 2861 – First Reading – Amendment to the Florida Building Code relating to FEMA prerequisites for communities that participate in the Community Rating System (CRS) program.
Presented by: Richard Earp

Richard Earp, City Engineer, said this Ordinance reflects the specific requirements from FEMA and the State. He said there will be another ordinance brought forward at the next meeting to request the adoption of changes to the Land Development Code and said those are also required by FEMA.

Mayor Nelson asked anyone has any questions or if anyone from the Public wishes to speak on this matter. Hearing none, he closed the Public Hearing and asked for a Motion to approve Ordinance No. 2861 at first reading and hold over for a second reading and adoption.

MOTION by Commissioner Becker and seconded by Commissioner Smith, to approve Ordinance No. 2861 at first reading and hold over for a second reading and adoption. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker, Smith and Velazquez voting aye.

12. Resolution No. 2021-32 - FY20/21 Budget Amendment
Presented by: Gladymir Ortega
Gladymir Ortega, Finance Director said this Budget Amendment has 4 different amendments. She said the first one includes changes in funding appropriations related to the Duke Energy Public Service Tax revenue. She said this amendment recognizes the revenue received for Duke and assigns expenditure funds for the Recreation Department. The funds will be used for the Amphitheater bathrooms & concession; the Fran Carlton storage building and park improvements. She said the remainder of these funds will be expensed and recognized via future adopted budgets or budget amendments that will be presented to the Council. She said the second budget amendment reflects the changes in funding and appropriations regarding the Airport fuel sales revenue and expenditures. She said the final sale of the Airport is currently pending with First Landing Aviation. She said the third budget amendment is in funding and appropriations related to the SJRWMD, Florida Spring Run program for the Distributed Sewer Retrofit project. She said lastly, the fourth budget amendment is for the funding and appropriations related to the American Rescue Plan for the Coronavirus State and Local fiscal recovery fund. She said the City of Apopka was awarded a total of $7,037,307 to provide resources to meet pandemic responsive needs.

Mayor Nelson asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to adopt Resolution No. 2021-32.

MOTION by Commissioner Bankson and seconded by Commissioner Velazquez to approve Resolution No. 2021-32. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

CITY COUNCIL REPORTS

Commissioner Velazquez said she had nothing further to report.

Commissioner Bankson said it's been a long week and thanked all of his Colleagues and said our hearts are really in this. In addition, he thanked the City and all of our Staff and said over this last couple of years, everyone has worked hard and said he believes we'll come up with something that will be workable for everyone including our taxpaying public as well.

Commissioner Smith said he has a plaque for the Apopka Police Department. He said two weeks ago, the Apopka Police Department provided police protection for a kidney walk that was held at a location on SR 441 and they walked down to Central Avenue. He said the two officers escorted those walkers and was very cooperative and they wanted to show their appreciation.

Commissioner Becker said he had nothing further to report.

CITY ADMINISTRATOR REPORT

Edward Bass said he had nothing further to report.

CITY ATTORNEY'S REPORT

Michael Rodriguez said he has two items as a part of his report. He said the first item is in relation to the subject that was brought up at previous Council meetings which is a desire to regulate what are known as Small Box Discount Stores. He said the Community Development Department as well as the City Attorney's office has begun to do initial research as to the avenues the City has for regulation of this type of use. He said as we move forward to propose changes to the Land Development Code to address this matter, he suggested that the Council make a motion to authorize staff to begin the process. He said in that, authorize staff to bring forward a Moratorium Ordinance. He said Statutorily, what a moratorium ordinance will do is stop applications for such a use for approval for a fixed time. He said we can propose a moratorium of 6 months and said that during that time, there will be no applications for building permits for uses; no applications for site plans; no applications for zoning changes and no applications for land use amendments that will be accepted by the City, while the City conducts a study for the proper regulation of the use. He said the moratorium would take effect upon adoption of said Ordinance.

Mayor Nelson asked if anyone had any questions or if anyone from the public wished to speak on this item. Hearing none, he asked for a motion to authorize staff to bring forward a Moratorium to allow time to conduct a study for the proper regulation of Small Box Discount Stores.

MOTION by Commissioner Smith, and seconded by Commissioner Velazquez to authorize staff to begin the process and bring forward a Moratorium to allow time to conduct a study for the proper regulation of Small Box Discount Stores. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

Michael Rodriguez said the second item is a summary of the 2021 Florida Legislative Bill Summary, which I've distributed to all of you. He said these are mainly the bills that specifically address issues of concern to or directly impact the City. He said earlier this year, he presented to you a list of bills that we're monitoring and said that not all of those bills were adopted by the Legislature or signed by

the Governor. He said the Growth Management Act has been amended and said the threshold for the Small-Scale Comprehensive Plan Amendments is now 50 acres instead of 10 acres. He said there will be fewer Comp Plan Amendments that will go through the dual process of State review and coming back. He said additionally, the State has stepped in and decided to regulate how local governments can adopt their impact fees and said increases to impact fees cannot be increased by more than 25%. He said if the City decides to go between 25% - 50%, there are certain regulations that will take effect. He said one of the other changes to the Growth Management Act is that Planned Development and Development Agreements can be amended without the consent of all property owners. He said the other one that is of concern and he's following as it's currently subject to federal litigation is HB1, which is the Public Disorder Bill. He said while there are the issues that are in the news and are of concern, there is one provision in HB1 that is of concern to the City He said that is that if a property owner suffers property damage during a disturbance, and that property owner believes that the City did not adequately respond to the disturbance, the property owner may file an action against the City. He said what is concerning is that the State has waived the sovereign immunity and therefore, there is no cap on what the City is financially liable to a property owner. He said the bill analysis noted concerns over this issue as well. He said other changes are that legislature has tried to encourage more electronic submission for Permit Applications as well as responses in trying to better streamline the permitting process. He said lastly, in the issue of preemption and erosion of Home Rule, the legislature has now deemed that the regulation of home businesses falls within the purview of the state and local governments cannot do anything to prohibit folks from having home businesses. He said the Statute does provide that the Cities can no longer create a category for home businesses and must treat them the same as regular businesses.

Commissioner Smith asked about the bill that passed in reference to Code Enforcement regarding anonymous calls.

Michael said that yes, the legislature has amended Chapter 162 to now prohibit anonymous complaints of Code Enforcement violations, which means if a violation is reported, the complainant has to leave their name and address.

Commissioner Smith then asked if the Code Enforcement Officer responds to an anonymous complaint, and the person didn't give their name and address, whether the officer has to divulge who reported it.

Michael said the complainant would be required to leave their identifying information in order to create a report.

Commissioner Becker said that if I had witnessed a crime, can I not call the Police Department anonymously and say there's a crime taking place? He said the same generally logic would apply here and said anonymity is protection to the person to ease that fear of retribution against retaliation.

MAYOR'S REPORT

Rock Springs Update
Mayor Nelson said he was glad Gary McSweeney came and updated him so we'll try and press forward to see where we get with that.

Camp Wewa Update
Mayor Nelson said that after the vote tonight, Lowes is trying to schedule something for the 1st two weeks of September to completely renovate Camp Wewa. He said he'll be reaching out to both Wekiva and Apopka High School for kids who need their community service hours and any community leaders and Friends of Wewa to come out and help so as soon as he gets the dates, we'll let everyone know. He said they'll have approximately 200 Lowe's Associates there to help. He said Kate Manley of the Apopka Chamber received a call from Finfah and said they want to rent Camp Wewa right out of the gate and said they'll have 1,000 people coming to that.

9/11 Events
Mayor Nelson said Gerry Maynard has really worked hard on this event and said we start out with registration from 6:00 a.m. – 6:30 a.m. for a 5 K race. He said what's unique about this race is that every member of the 1st Responders that we lost in the Towers and across the Country, will have their name on a plaque and said as you run around the course, you'll be able to remember all of the people that we lost during that tragic event. He said he's really excited about that. He said the proceeds will benefit the Armando Borjas Scholarship Foundation and said he was a firefighter and served for 14 years before dying at the age of 39 from Esophageal Cancer. He said the foundation helps send local youth to Fire and EMT School. He said the 9/11 Memorial Service will start at 8:30 a.m. and said we have a featured speaker from NYC Fire Department and said we're trying to find someone from NYPD as well.

Commissioner Velazquez asked if this will be at the Amphitheater to which Mayor Nelson confirmed yes. She said she would like to have something at our 9/11 Memorial as well. .

Mayor Nelson said that same evening, we have the Tribute to Heroes concert, which is sponsored by CFL Hope out of Clermont and said proceeds will go toward the Hope Center and the Armando Borjas Foundation. He said the general admission is $25 and $35 for covered seating. He said there will be a 20% discount for veterans and first responders and said there will be a Food Trucks; Fire Trucks; Military Vehicles and a kid zone. He said the featured musicians will be Low Cash; Donnie Lee; Randall Crawford; Adam Cunningham; Brandon Bing; and Country Airwaves.

Florida League of Cities Proposed Resolutions

Mayor Nelson said the FLC Proposed Resolutions are in your packets and asked if anyone had any problems with any of those that the FLC has presented. Hearing none, he asked for a motion to adopt those Resolutions.

MOTION by Commissioner Bankson, and seconded by Commissioner Smith to approve the Proposed Resolutions as presented by the FLC. Motion carried unanimously with Mayor Nelson, and Commissioners Bankson, Becker & Velazquez voting aye.

Sheeler Oaks Update

Mayor Nelson said we've got one inlet up and working and said we should have most of the project done within the next two weeks. He said we also added a 2nd pipe that will go from the last junction box, down to the lake. He said we're making progress there.

Lobby Closures

Mayor Nelson said that due to the increase in the Delta variant, we've closed all Public access to City Hall; Fire Departments; Police Department; Utility Billing and said we'll revisit this on Friday, next week. He said this is in an effort to protect not only our citizens but our employees here. He said on that note, the DOH mobile vaccination unit will be at the Billie Dean Community Center, on Friday, July 23rd, from 2:30 p.m. until 5:00 p.m.

Golden Gem

Mayor Nelson said lastly, we'll officially be taking on water at Golden Gem as of tomorrow. He said our 300-Million-gallon pond has been tested and no leaks.

ADJOURNMENT - There being no further business the meeting adjourned at 9:42 p.m.

Bryan Nelson

Bryan Nelson, Mayor

ATTEST: Susan M Bone

Susan M. Bone, City Clerk

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Rec Fee: $299.00
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

Prepared by and Return to:
Thomas R. Sullivan, Esq.
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801

PLANNED DEVELOPMENT AGREEMENT
(THE RIDGE)

This **Planned Development Agreement** (the "**PD Agreement**") is made and entered into this 18 day of August, 2021 (the "**Effective Date**") by and among, City of Apopka, a Florida municipal corporation, whose mailing is 120 East Main Street, Apopka, Florida 32703 (the "**City**"), and Apopka Development Opportunity, LLC, a Delaware limited liability company whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**ADO**"), Apopka Centerline Development, LLC, a Florida limited liability company, whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**Apopka Centerline**") ("ADO and Apopka Centerline are hereinafter collectively referred to as "**Centerline**"); Ruth Ina Bronson Trust and Troy S. Bronson Trust, whose mailing address is 1400 Ocoee Apopka Road, Apopka, Florida 32703 ("**Homestead**"), Troy S. Bronson Family, LP, a Florida limited partnership, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 ("**Bronson LP**"); Binion Partners, LLC, a Florida limited liability company, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 ("**Binion**"); and John and Donna Kirkland, as joints tenants with right of survivorship, whose mailing address is 1920 Boy Scout Road, Apopka, Florida 32703 ("**Kirkland**"), (Centerline, Homestead, Bronson LP, Binion and Kirkland are collectively hereinafter referred to as "**Developer**").

RECITALS

A. Developer is currently the owner and developer of that certain real property located in the City of Apopka, Florida legally described in **Exhibit "A"** attached hereto and made a part hereof ("**The Ridge**");

B. The Ridge is subject to that certain Planned Development zoning ordinance duly enacted by the City, as may be amended from time to time (the "**PD**"), consisting of a multi-phase single family, townhome, apartment, commercial, industrial, flex space and recreational use project (collectively, the "**Project**");

C. The City and the Developer are sometimes collectively referred to herein as the "**Parties**"; and

D. The Parties will establish a Community Development District ("**CDD**") as an independent local unit of special-purpose government created pursuant to, and existing under, the provisions of Chapter 190, Florida Statutes, to among other things; fund and administer the maintenance of certain common elements of the Project in order to ensure the orderly development of the Project as a quality community.

NOW THEREFORE, for and in consideration of, the mutual obligations contained herein and the sum of ten dollars ($10.00) and other good and valuable consideration the sufficiency of which is hereby conclusively acknowledged the parties agree as follows:

AGREEMENT

1. **Recitals.** The Recitals contained above are true and correct and are incorporated in this PD Agreement as full as if set forth herein verbatim.

2. **Project Phasing**. Developer may construct the Project in phases consistent with the Master Plan attached to the PD (the "**PD Master Plan**"), but shall not be required to construct them in the sequence set forth on the PD Master Plan. Phasing must occur consistent with limitations and conditions set forth in the Transportation Improvements Development Agreement and Grant of Easement attached hereto as **Exhibit "B"** and made part hereof (the "**Transportation Agreement**").

3. **CDD.** Prior to the issuance of the first building permit for the initial phase of the Project, the City and the Developer shall establish the CDD pursuant to the requirements of Chapter 190, Florida Statutes. The parties will execute any documents reasonably necessary to affect the establishment of the CDD. Any of the obligations of the Developer created herein on in the Transportation Agreement, PD, or in any other development approval issued by the City for the Project, may be funded or undertaken by the CDD pursuant to Sections 190.012(1)(g), (h), Florida Statutes. Developer shall cause the CDD to create a Board of Supervisors which shall, in turn, establish all governing documents for the CDD (the "**Governing Documents**"). The Governing Documents shall be consistent with this PD Agreement and the Transportation Agreement and, to the extent of a conflict, this PD Agreement and the Transportation Agreement shall supersede the Governing Documents. Developer shall also create a property owners' association that shall provide for the establishment of an Architectural Review Committee ("**ARC**"). Each individual phase of the Project shall be required to submit plans and specifications to the ARC before seeking approval of the same from the City. The ARC shall require that all such plans and specifications are consistent with this PD Agreement and the Transportation Agreement. The ARC shall issue an approval letter to the City as part of permit applications submitted to the City for the Project. The City and the Developer agree that the Project is intended to be a first-class community and the ARC shall establish review criteria consistent with such intent and similar communities within the Central Florida area.

4. **Ridge Permitted Uses.** Consistent with the PD, the permitted uses for the Project within The Ridge are attached hereto as **Exhibit "C"** and incorporated herein by this reference (the "**Permitted Uses**").

5. **Parking and On-Site Infrastructure.** Although the Project may be constructed in phases consistent with the PD Master Plan and this PD Agreement, each individual phase of the Project shall be required to provide sufficient on-site infrastructure to satisfy the applicable City Code requirements. Further, each individual phase shall be required to provide the number of parking spaces set forth within the PD and PD Master Plan. All on-street parking spaces within the public right-of-way shall be accessible to residents and guests of the entire Project.

6. **Shared Use Recreation Area**. The common recreational area of the Project is depicted on the PD Master Plan as Parcel 8 (the "**Shared Use Recreational Area**"). The City and Developer agree that the Recreational Area Phase will be developed by the Developer in one phase with the first phase of the Project. The Governing Documents of the CDD shall require that the CDD obtain and maintain ownership and control over the Shared Use Recreational Area once built. The Shared Use Recreational Area shall be consistent with the amenities appearing on the PD Master Plan.

7. **Apartments.** The apartment phases of the Project are characterized as luxury apartments and shall contain the following amenity features: (1) balconies/porches; (2) resort-style swimming pool; (3) recreational clubhouse and (4) washer and dryer in each apartment.

8. **Development Design Review**. Prior to or commensurate with the submittal of the Major Development Plan for the Project, Developer shall submit a document for review by City's Community Development Department demonstrating common design themes for utility and equipment located within common areas or private and public roadways, entrance features design, including but not limited to the street names, community theme, and recreational uses pursuant to section 3.7.2.E.1.a, Land Development Code, as may be amended ("**Land Development Code**"), and agreed to by Developer as per section 3.7.2.E.1.a., Land Development Code. Consistent with the Transportation Agreement, the CDD shall be responsible for maintaining the landscaping, trees and grass within all medians and rights-of-way along the Spine Road. Maintenance shall include, but not be limited to, mowing grass and maintaining any vegetation or trees planted within the right-of-way or round-about.

9. **Landscaping/Buffers**. Required landscaping shall comply with the minimum requirements of the Land Development Code, as amended. Developer shall, at its sole expense, install all common areas of The Ridge, as well as exercise any other measures reasonably necessary to ensure the long-term maintenance of the landscaping by the CDD.

10. **Utility Service; Connection Points and Oversizing**. The City shall provide water, sewer and reclaimed water service for The Ridge for all phases of the Project through buildout. In connection with the PD, the City has reviewed the master utility plan provided by the Developer and Developer agrees to connect to the existing City system at the connection points set forth on the PD. The route(s) of any off-site lines shall be consistent with engineering plans produced by Developer and approved the City. The Developer shall construct the facilities, lines and appurtenances necessary to serve the Project and provide such documentation necessary for the City to determine that the lines shall meet the minimum line size requirements as specified in the City's Land Development Code. Developer shall provide the City such easements or right of way in form reasonably acceptable to the City Attorney, as the City deems necessary for the installation and maintenance of utility services located on The Ridge, including but not limited to sewer, water, and reclaimed water services. No building permits shall

be issued for the Project by the City until water, sewer and reclaimed water are provided to an individual phase of the Project requiring such service, or until a bond or letter of credit is in place to guarantee the completion of off-site improvements. Developer shall be responsible for all costs of onsite and offsite improvements, including but not limited to the design, material, permitting and installation of sufficient size lines, lift stations and other appurtenances necessary to allow the City to serve the Project. Notwithstanding the foregoing to the contrary, with respect to the sewer force main connection at the intersection of Marden Road and State Road 414 (the "**Force Main Connection**"), the City has requested that the Developer oversize the force main from the size needed to serve the Project to a twenty (20) inch force main from the intersection of the Spine Road (as defined in the Transportation Agreement) to the Force Main Connection for an approximate distance of 6,500 linear feet as well as oversizing the force main along Boy Scout Road from the size needed to serve the Project to a twenty (20) inch force main along Boy Scout Road an approximate distance of 1,000 line feet for future use (collectively, the "**Force Main Oversizing**"). The City agrees to provide sewer impact fee credits to Developer for the actual out-of-pocket cost difference in construction and labor costs for such Force Main Oversizing. Such credits shall be issued within thirty (30) days of Developer completing the Force Main Oversizing work and may be freely used or assigned by Developer within the limits of the Corridor Study (as defined in the Transportation Agreement).

11. **Model Homes**. Each parcel/subdivision within the Project can apply for building permits and construct up to four (4) model homes per each such parcel/subdivision.

12. **Stormwater Management.** Developer agrees to provide at its expense a comprehensive stormwater management system consistent with all regulatory requirements of the City and the St. John's River Water Management District. Impacts to flood plains are allowed in accordance with the Water Management District procedures for compensating storage and will be based on the 100-year floodplain established by FEMA.

13. **Environmental Considerations**. The minimum requirements of Article 6, Land Development Code, as amended, shall be met.

14. **Covenants Running with the Land/Assignment**. The terms, provisions, covenants, conditions and restrictions set forth in this PD Agreement and the rights, privileges and benefits and duties, obligations and burdens assigned, granted, imposed and created pursuant to this PD Agreement shall and are hereby declared to be covenants running with the title to The Ridge. This PD Agreement shall legally benefit and bind the Developer and its respective successors and assigns.

15. **Legal Proceedings, Attorneys' Fees**. In the event that either of party shall institute litigation or other legal proceedings against the other to interpret or enforce any term, provision, warranty, covenant or condition set forth in this PD Agreement, the prevailing party in such litigation or other legal proceedings following all appeals therefrom, if any, shall be entitled to recover from the non-prevailing party in such litigation or other legal proceedings reasonable attorneys', paralegals', and experts' fees and expenses and court costs incidental thereto, including those incurred on any bankruptcy proceeding and/or appeal of a lower court decision.

16. **Notices.**

a. All notices provided for in this PD Agreement shall be in writing and delivered personally (including delivery by courier) or by registered or certified mail, return receipt requested, postage prepaid, or via facsimile to the parties, at the addresses and facsimile numbers set forth below, with a copy forwarded to their respective attorneys, at the addresses and facsimile numbers set forth below, or at such other addresses as the parties shall designate to each other in writing:

City: Edward Bass, City Administrator
120 East Main Street
Apopka, Florida 32703
Telephone: (407) 703-1712

With a copy to: Michael A. Rodriguez, City Attorney
120 East Main Street
Apopka, Florida 32703
Telephone: (407) 703-1658

Developer: Apopka Development Opportunity, LLC
Attention: Craig Perry
15481 SW 12th Street, Suite 309
Sunrise, Florida 33326
Telephone (954) 324-1710

With a copy to: Thomas R. Sullivan, Esq.
GrayRobinson, P.A.
301 E. Pine Street, Suite 1400
Orlando, Florida 32801
Telephone (407) 244-5664

b. Any notice, request, demand, instruction or other communication to be given to either party hereunder, shall be in writing and shall be hand-delivered, sent by Federal Express or a comparable overnight mail or delivery service, mailed by U.S. registered or certified mail, return receipt requested, postage prepaid, or transmitted by facsimile or telecopier to the parties and their listed co-recipients, at their respective addresses and/or facsimile numbers set forth herein. Any notice delivered as aforesaid shall be deemed delivered immediately upon mailing, delivery to an appropriate carrier, or receipt or refusal of delivery of said notice, whichever is earliest. The inability to deliver because of change in address of which no notice is given shall be deemed to be a receipt of the notice, demand and request. The party claiming delivery of notice via telecopier or facsimile shall have the burden of proving notice was in fact sent, which burden can be carried without further evidence if confirmed by the transmitting telecopier or facsimile machine. Any communication sent by facsimile or telecopier shall promptly be followed by a copy delivered by one of the other approved methods.

Receipt shall be deemed to have occurred if delivered to an authorized agent or any employee of the addressee or of the addressee's company. A time period in which a response to any notice, demand or request must be given pursuant to the terms of the PD Agreement, shall commence to run from the date of receipt. Any party may change the address for receiving notices, request, demands, or other communication by not less than three (3) days prior notice in accordance with this Paragraph. Telephone numbers are provided for convenience only.

c. City and Developer may from time to time notify the other of changes regarding where and to whom notices should be sent by sending notification of such changes pursuant to this Paragraph.

17. **Miscellaneous Provisions.**

a. **Entire Agreement**. This PD Agreement constitutes the complete and entire understanding and agreement between City and Developer concerning or with respect to the topics addressed in this PD Agreement and supersede any and all prior or contemporaneous covenants, agreements, undertakings, statements, representations or warranties, whether written or oral, of any party hereto concerning or with respect thereto.

b. **Relationship of the Parties**. This PD Agreement does not evidence the creation of, nor shall it be construed as creating a partnership or joint venture between the City and Developer. Developer cannot create an obligation or responsibility on behalf of City or bind City in any manner. Each Party is acting for its own account, and it has made its own independent decisions to enter into this PD Agreement and as to whether the same is appropriate or proper for it based upon its own judgment and upon advice from such advisers as it has deemed necessary. Each Party acknowledges that none of the other Parties hereto is acting as a fiduciary for or as an adviser to it in respect of this PD Agreement or any responsibility or obligation contemplated herein.

c. **Agency**. Developer and City, and their agents, contractors and subcontractors, shall perform all activities described in this PD Agreement as independent entities and not as agents of one another.

d. **Sovereign Immunity**. Nothing contained in this PD Agreement shall be construed as a waiver of City's right to sovereign immunity for tort claims under and subject to § 768.28, Florida Statutes.

e. **Captions and Paragraph Headings**. Captions and paragraph headings contained in this PD Agreement are for convenience of reference only and are in no way intended, and shall in no way be deemed, to define, describe, extend or limit the scope, content or intent of this PD Agreement or of any particular term, provision or paragraph hereof.

f. **Modification, Amendment or Termination**. This PD Agreement may not be changed, modified, amended or terminated except as expressly set forth in a

separate writing signed by both of the parties to this PD Agreement or their respective successors in interest or title.

g. **Recording in Public Records.** Developer shall that this PD Agreement and the Transportation Agreement are recorded among the public records of Orange County, Florida promptly after the execution of the PD Agreement and Transportation Agreement by all parties.

h. **Indemnification.** Developer hereby indemnifies and holds City and its elected and appointed officials, employees and agents harmless from and against any and all claims (at law or in equity), disputes, lawsuits, injuries, damages, attorneys' fees and all adverse matters in any way arising out of or relating to the risks assumed by Developer under this PD Agreement.

i. **Default**. Failure by a Party to perform any of its obligations hereunder shall constitute default hereunder. Prior to termination of this PD Agreement, the non-defaulting Party exercising such right shall first provide the defaulting Party with written notice specifying such default and the actions needed to cure same, in reasonable detail. Upon receipt of said notice, the defaulting Party shall be provided thirty (30) day opportunity within which to cure such default.

j. **Bankruptcy**. In the event (a) an order or decree is entered appointing a receiver for Developer or its assets or (b) a petition is filed by Developer for relief under federal bankruptcy laws or any other similar law or statute of the United States, which action is not dismissed, vacated or discharged within sixty (60) days after the filing thereof, then City shall have the right to terminate immediately this PD Agreement.

k. **No Liability or Monetary Remedy**. Notwithstanding anything herein to the contrary, Developer and City, on behalf of themselves, and their respective successors and assigns, hereby agree that neither Party shall be liable to the other for any direct, indirect, special, punitive or consequential damages, including but not limited to, damages based on loss of service, revenues, profits or business opportunities, and hereby waive any and all claims and causes of action for the recovery of such direct, indirect, special, punitive or consequential damages.

l. **Governing Law; Binding Effect**. This PD Agreement and the construction, interpretation and enforcement thereof shall be construed in accordance with and governed by the laws of the State of Florida and shall be binding upon, inure to the benefit of and be enforceable by the parties hereto and their respective successors in interest or title.

m. **Venue**. The location for settlement of any and all claims, controversies, or disputes, arising out of or relating to any part of this PD Agreement, or any breach hereof, shall be Orange County, Florida.

n. **Construction of Agreement**. The fact that any one of the parties to this PD Agreement shall have drafted or structured or shall be deemed to have drafted or

structured this PD Agreement or any particular term or provision of this PD Agreement shall not be considered by any court or other tribunal in the construction or interpretation of this PD Agreement or any particular term or provision of this PD Agreement, either in favor or to the disadvantage of such party.

o. **Severability**. If any of the terms, provisions, covenants or conditions set forth in this PD Agreement or the application thereof to any particular circumstance shall be held by any Court having jurisdiction to be illegal, invalid or unenforceable under applicable law, the remainder of this PD Agreement shall not be affected thereby and each provision of this PD Agreement shall be valid and enforceable to the fullest extent otherwise permitted by law.

p. **Counterparts**. This PD Agreement may be executed in two or more counterparts, each of which shall be and be taken to be an original and collectively but one instrument.

q. **Time of the Essence**. Time, and timely performance, is of the essence of this PD Agreement and of the covenants and provisions hereunder. When a date upon which a specified event shall occur or be performed falls upon a weekend or legal holiday, the time allowed for the event or performance to occur shall be extended to 5:00 p.m. on the next succeeding business day. For purposes of this PD Agreement, a "business day" shall mean any weekday that the banks in the county in which The Ridge is located are open for business (thereby excluding Saturdays, Sundays and legal holidays).

r. **Statutory Development Agreement**. This PD Agreement is not a statutory development agreement pursuant to Chapter 163, Florida Statutes (Florida Local Government Development Agreement Act) and is being entered into by the City pursuant to the City's home rule authority.

[SIGNATURES APPEAR ON FOLLOWING PAGES]

Witnesses:

Printed Name: Katherine Asencio

Printed Name: Ernesto Mitsuhashi

APOPKA DEVELOPMENT OPPORTUNITY, LLC, a Delaware limited liability company

By:
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 2nd day of August, 2021, by Craig Perry, as Manager of Apopka Development Opportunity, LLC, a Delaware limited liability company, who is known to me ✓ or who produced N/A as identification on behalf of the company.

Notary Public State of Florida
Vanessa Bodden
My Commission HH 068766
Expires 02/03/2025

Notary Public
State of Florida at Large

My Commission Expires: 2/3/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Katherine Asencio

Printed Name: Ernesto Matsumagu

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

By:
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 2nd day of August, 2021, by Craig Perry, as Manager of Apopka Centerline Development, LLC, a Florida limited liability company, who is known to me ✓ or who produced N/A as identification on behalf of the company.

Notary Public State of Florida
Vanessa Bodden
My Commission HH 088766
Expires 02/03/2025

Notary Public
State of Florida at Large

My Commission Expires: 2/3/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Troy S. Bronson, **as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009**

Printed Name: Charlie Echols

By: Troy S. Bronson
Name: TROY S. BRONSON
Title: Trustee

Printed Name: Andrew Bassler

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July, 2021, by Troy S. Bronson, as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me X or who produced _____ as identification on behalf of the company.

Donna M. Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/21

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112083
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Charlie Vickers

Printed Name: Andrew Bassler

Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009

By: Troy S. Bronson

Name: Roy S. Bronson

Title: Trustee

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July, 2021, by Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Donna M. Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/21

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112083
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Charlie Williams

Printed Name: Andrew Bassler

TROY S. BRONSON FAMILY, LP, a Florida limited partnership

By: Troy S Bronson

Name: Troy S. Bronson

Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July, 2021, by Troy S. Bronson as General Partner of Troy S. Bronson Family Limited Partnership, a Florida limited partnership, who is known to me X or who produced _____ as identification on behalf of the company.

Donna M. Kirkland

Notary Public
State of Florida at Large

My Commission Expires: 7/27/25

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112083
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Charlie Vickers

Printed Name: Andrew Basden

BINION PARTNERS, LLC, a Florida limited liability company

By: Troy S. Bronson

Name: Troy S. Bronson

Title: Manager

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July, 2021, by Troy S. Bronson as Manager of Binion Partners, LLC, a Florida limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Donna M Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/21

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112083
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Charlie Vickers

Printed Name: Andrew Bassler

Printed Name: _____

JOHN KIRKLAND and DONNA MARIA ROBERTSON KIRKLAND, as joint tenants with rights of survivorship

By: John Kirkland

Name: John Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30th day of July, 2021, by John Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of himself.

Nafeeza Khan

Notary Public
State of Florida at Large

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

My Commission Expires: 11/24/2023

Printed Name: Andrew Bassler

Printed Name: Charlie Vickers

By: Donna M Kirkland

Name: Donna Maria Robertson Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30th day of July, 2021, by Donna Maria Robertson Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of herself.

Nafeeza Khan

Notary Public
State of Florida at Large

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

My Commission Expires: 11/24/2023

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

CITY OF APOPKA

By: Bryan Nelson

Bryan Nelson, Mayor

ATTEST:

Susa M Bone

Susan Bone, City Clerk

Approved as to Form:

Michael A. Rodriguez, City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 18 day of August, 2021, by Bryan Nelson, who is known to me X or produced ___ as identification as Mayor of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida.

Victoria D. Parker

Notary Public
State of Florida at Large

My Commission Expires: January 3, 2022

#43852157 v13

Exhibit "A"

The Ridge

Legal Description

Beginning at the intersection of the South line of the right of way of Boy Scout Road with a line 42.50 feet East of the East line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89 degrees 43 minutes 32 seconds West, along said South right of way line, for a distance of 294.30 feet; thence run South 00 degrees 22 minutes 4 8 seconds West, parallel with the East line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83 degrees 13 minutes 27 seconds East for a distance of 296.12 feet; thence run North 00 degrees 22 minutes 48 seconds East parallel with the East line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the POB.

A portion of Section 17, Township 21 South, Range 28 East, Orange Country, Florida more particularly described as follows:

Commence at the South Quarter corner of said Section 17; thence N 07 degrees 19' 56" E to a point on the Westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the East and the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00', a delta of 11 degrees 35' 09", along a cord bearing of N26 degrees 13' 56" E, an arc distance of 191.70'; thence leaving said right of way run N75 degrees 44' 09" W, 278.00'; thence S57 degrees 12' 05" W, 100.86'; thence S10 degrees 59' 06" W, 134.01'; thence S79 degrees 38' 16" E, 300.05 to the Point of Beginning.

The South one-half (S 1/2) of the East one-half (E 1/2) of the Southwest one-quarter (SW 1/4) of the Northwest one-quarter (NW 1/4), (LESS the East twenty-five feet (E 25') of the South three hundred and forty feet (S 340')) of Section 17, Township 21 South, Range 28 East, Orange County, Florida, Less the South 30 feet thereof for Boy Scout Road.

Also less the land contained in Warranty Deed recorded in Official Records Book 1652, page 737, Public Records of Orange County, Florida, to wit:

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

PARCEL 1

The East half of the Southeast quarter of the Southeast quarter of Section 18, Township 21 South, Range 28 East, in Orange County, Florida;

and

The Southwest quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, in Orange County, Florida;

and

The West 400 feet of: Begin 144 feet West of the Southeast corner of the Southwest quarter and run West to the Southwest corner of the Southeast quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, thence run North 996.6 feet, South 75° East, a distance of 1,419 feet to a point 15 feet west of road, thence Southwesterly to the Point of Beginning, in Orange County, Florida.

PARCEL 2

The North one half (1/2) of the East one half (1/2) of the Southwest quarter (1/4) of the Northwest quarter (1/4) of Section 17, Township 21 South, Range 28 East, all in Orange County, Florida.

PARCEL 3A

The West 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, less the West 433 feet of the South 220 feet;

PARCEL 3B

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

PARCEL 4

That part of the Southeast 1/4 of the Northwest 1/4, the Northeast 1/4 of the Southwest 1/4 and the West 1/2 of the Southeast 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying northwesterly of the northwesterly right of way line of Ocoee-Apopka Road, northeasterly of the northeasterly right of way of Boy Scout Road, and easterly of the east right of way line of Galway Blvd. (Tracts P and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 5

Beginning at the southeast corner of the East 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East; run thence West 25 feet, thence North 340 feet, thence East 25 feet, thence South 340 feet to the Point of Beginning;

and

The Southeast 1/4 of the Northwest 1/4 and that part of the Northeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East lying northerly and northeasterly of the right of way of Boy Scout Road and lying northerly and westerly of the north and west right of way lines of Galway Blvd. (Tracts O and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 6

That part of the West 1/2 of the Southeast 1/4, the North 1/2 of the Southwest 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying westerly of the westerly right of way line of Ocoee-Apopka Road, and southerly and southwesterly of the southern and southwestern right of way line of Boy Scout Road, less and except the following parcels A, B and C:

A. Beginning 144 feet west of the quarter section post on the south boundary of Section line, 15 feet west of center of public road, run west 17 chains and 82 links, North 15 chains and 10 links, thence South 75° 30' East 21 chains and 55 links to a point 15 feet west of center of public road, southerly along said road to beginning.

B. Beginning at the intersection of the south line of the right of way of Boy Scout Road with a line 42.50 feet east of the east line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89° 43' 32" West, along said south right of way line, for a distance of 294.30 feet; thence run South 00° 22' 48" West, parallel with the east line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83° 13' 27" East for a distance of 296.12 feet; thence run North 00° 22' 48" East parallel with the east line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the Point of Beginning.

C. A portion of Section 17, Township 21 South, Range 28 East, Orange County, Florida, more particularly described as follows:

Commence at the south quarter corner of said Section 17; thence North 07° 19' 56" East to a point on the westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the east and the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00 feet, a delta of 11° 35' 09", along a chord bearing of North 26° 13' 56" East, an arc distance of 191.70 feet; thence leaving said right of way run North 75° 44' 09" West, 278.00 feet; thence South 57° 12' 05" West, 100.86 feet; thence South 10° 59' 06" West, 134.01 feet; thence South 79° 38' 16" East, 300.05 feet to the Point of Beginning.

PARCEL 7

The Northeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, and beginning 110 yards north of the southwest corner of the Northwest 1/4 of the Southeast 1/4, run North 110 yards, East 440 yards to the 40 line, South 110 yards, West 440 yards to beginning, Section 18, Township

21 South, Range 28 East, Orange County, Florida; less and except that portion conveyed to the State of Florida for State Road 437 by the Quit Claim Deed recorded in Deed Book 770, page 209, and less that part vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9893 page 1729 of the public records of Orange County, Florida.

PARCEL 8

The South 1/2 of the North 1/2 of the Southwest 1/4 of the Southeast 1/4 and the West 1/2 of the Southeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, Orange County, Florida, less and except those portions lying westerly of the easterly right of way line of State Road 429 vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9893, page 1729 of the public records of Orange County, Florida.

PARCEL 9

The North 1/2 of the Northwest 1/4 of the Southeast 1/4 of Section 18, Township 21 south, Range 28 East, Orange County, Florida, less and except the North 33 feet thereof for road right of way and less road right of way on west.

Containing: 366.38 acres, more or less

Exhibit "B"

Transportation Improvements Development Agreement and Grant of Easement

Prepared by and Return to:
Thomas R. Sullivan, Esq.
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801

TRANSPORTATION IMPROVEMENTS DEVELOPMENT AGREEMENT AND GRANT OF EASEMENT

THIS **TRANSPORTATION IMPROVEMENTS DEVELOPMENT AGREEMENT AND GRANT OF EASEMENT** (the "Transportation Agreement") is made and entered into as of the ____ day of _____, 2021, by and between **City of Apopka**, a Florida municipal corporation, whose mailing address is 120 East Main Street, Apopka, Florida 32703 (hereinafter referred to as "**City**"), and Apopka Development Opportunity, LLC, a Delaware limited liability company whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**ADO**"), Apopka Centerline Development, LLC, a Florida limited liability company, whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**Apopka Centerline**") ("ADO and Apopka Centerline are hereinafter collectively referred to as "**Centerline**"); Ruth Ina Bronson Trust and Troy S. Bronson Trust, whose mailing address is 1400 Ocoee Apopka Road, Apopka, Florida 32703 ("**Homestead**"), Troy S. Bronson Family, LP, a Florida limited partnership, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 ("**Bronson LP**"); Binion Partners, LLC, a Florida limited liability company, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 ("**Binion**"); and John and Donna Kirkland, as joints tenants with right of survivorship, whose mailing address is 1920 Boy Scout Road, Apopka, Florida 32703 ("**Kirkland**"), (Centerline, Homestead, Bronson LP, Binion and Kirkland are collectively hereinafter referred to as "**Developer**").

RECITALS

1. Developer is the of owner of The Ridge (as defined in the PD Agreement).

2. Developer is processing certain land use and zoning approvals with the City, including the PD (as defined in the PD Agreement), with respect to The Ridge.

3. Developer is planning to construct a multi-phase community featuring single family, townhome, apartment, commercial, industrial, flex space and recreational uses on The Ridge (the "**Project**").

4. The City envisions the development of other properties in the immediate vicinity of The Ridge.

5. The City has reviewed and approved that certain transportation methodology and associated analysis for The Ridge by Luke Transportation Engineering Consultants dated April, 2021 (the "**Approved Transportation Analysis**").

6. Based upon the Approved Transportation Analysis, the City has determined that the construction of certain improvements to a new two-lane public road with related improvements (the "**Spine Road**") generally from Ocoee Apopka Road through The Ridge to Boy Scout Road as more particularly described herein (collectively, the "**Spine Road Improvements**") are required in order to achieve the appropriate traffic circulation to and from the Project as well as other projects in the immediate area.

7. Developer agrees to undertake the Spine Road Improvements as set forth in this Transportation Agreement.

8. Based upon the significant public benefit to the City, the City has requested, and the Developer hereby agrees, to perform a preliminary design study to determine what specific transportation improvements are needed with respect to Ocoee-Apopka Road from Harmon Road to Bradshaw Road (the "**Corridor Study**"). Within thirty (30) days of the delivery of the Corridor Study to the City, the City agrees to reimburse the Developer for the actual out-of-pocket costs incurred by Developer in procuring the Corridor Study through the issuance of impact fee credits which Developer may use or freely assign within the limits of the Corridor Study (the "**Corridor Study Credits**").

9. In recognition of existing conditions, Developer agrees to undertake certain intersection improvements as part of the initial phase of construction for the Project which shall include the intersection of Binion Road and Boy Scout Road and the roadway elevation at the intersection of Boy Scout Road and Ocoee Apopka Road (collectively, the "**Initial Intersection Improvements**").

10. Developer further agrees to undertake additional transportation improvements to the intersections of Boy Scout Road and Ocoee-Apopka Road, and Spine Road and Ocoee-Apopka Road the extent of which shall be pursuant to the results of the Corridor Study, in return for credits against transportation impact fees to be paid in the future in connection with the Project (the "**Transportation Improvements**").

11. The Initial Intersection Improvements and the Transportation Improvements are hereinafter collectively referred to as the "Transportation Improvements".

12. Any of the obligations of the Developer created herein may be funded and/or undertaken by the CDD pursuant to Sections 190.012(1(g), (h), Florida Statutes.

13. City and Developer now desire to set forth in writing the terms and conditions regarding the foregoing.

NOW, THEREFORE, in consideration of the mutual covenants, premises and promises hereinafter set forth, the receipt, adequacy and sufficiency of which are hereby acknowledged, the City and the Developer hereby agree as follows:

1. **Recitals**. The foregoing recitals are true and correct in all respects and are expressly incorporated herein by reference.

2. **Transportation Impact Fee Credits**. In addition to the Corridor Study Credits, the City agrees that Developer shall be entitled to receive transportation impact fee credits for 100% of the actual out-of-pocket expenses incurred by Developer in performing the Transportation Improvements, including without limitation all costs of survey, design, permitting, construction, construction engineering, construction administration, performance/construction bonds, final testing and certification costs, as well as other customary and normal costs of the Transportation Improvements, which Developer may use or freely assign within the limits of the Corridor Study (the "**Transportation Improvements Credits**"). The City agrees to reimburse the Developer through the issuance of the Transportation Impact Fee Credits not later than thirty (30) days after receipt by, and the City's review of, of a written letter requesting Transportation Impact Fee Credits for a phase of the Transportation Improvements completed by (or caused to be completed by) Developer.

3. **Spine Road Improvements.**

A. Construction plans for the Spine Road Improvements must be approved by the City Engineer prior to commencing construction. The design of the Spine Road must comply with the City's design engineering standards.

B. The Spine Road Improvements may be constructed by the Developer in phases, as set forth in PD Master Plan (as defined in the PD Agreement).

4. **City Right-of-Way.**

A. In connection with the City's issuance of a right-of-way permit to Developer for the purposes of constructing the Spine Road Improvements and the

Transportation Improvements (hereinafter, collectively the "**Improvements**"), such permit issuance shall grant to Developer the right to perform the Improvements in all areas where the Improvements are to be located within public right-of-way or on Ridge Property otherwise owned by the City.

B. The City and Developer acknowledge that Developer may need to obtain certain approvals from Orange County in order to perform the Improvements. The City agrees to cooperate with Developer in connection with such County approvals.

C. The City shall inspect the Improvements during construction.

5. **Conveyance of Improvements.**

A. Developer shall, at is sole cost and expense, convey the Improvements, to the extent the same are under the control by Developer, to the City or County, as applicable, free and clear of all liens and encumbrances, within ten (10) business days of the issuance of a certificate of completion for the Improvements by the City and any other governmental agency, including the County, with authority over the Improvements.

B. As evidence of such transfer and conveyance, Developer shall convey each component of the Improvements to the City by plat or separate Bill of Sale. Developer shall also grant an access and maintenance easement in favor of the City with respect to the Improvements at the same of such transfer and conveyance.

C. Final acceptance ("**Final Acceptance**") of each component of the Improvements by the City shall occur upon satisfaction of the following:

a. Completion of construction of the particular component of the Improvements in accordance with the plans and specifications as approved by the City in the permitting process.

b. Delivery to City of one (1) complete set of record drawings with AutoCAD files and specifications certified by Developer's engineer.

c. Developer's assigning all warranties Developer has obtained from its contractors, suppliers, and/or materialmen with respect to the construction of the Improvements and materials used therein.

Provided all such conditions are met, the City agrees to accept such conveyance without delay, and shall thereafter be responsible for the operation and maintenance of the Improvements so conveyed to the City. As part of such conveyance, Developer agrees to warrant the Improvements so conveyed for a period of one (1) year from the date of acceptance by the City.

In the event that the City initiates an annexation of any portion of The Ridge on which the Improvements are located, Developer agrees to support any such annexation.

6. **Documentation from Developer.** The Developer shall submit to the City from the Developer's project engineer, contractor's affidavits, and certificates from the project engineer.

7. **Development Approvals.** This Transportation Agreement shall in no manner constitute a development approval regarding The Ridge. Except as may otherwise approved by the City, Developer must comply with all applicable provisions section 3.7.2.E.1.a, Land Development Code with Development Standards pursuant to Article 7 (Concurrency), Land Development Code, as may be amended, and agreed to by the Developer regarding the development of The Ridge.

9. **Disclaimer of Third Party Beneficiaries.** This Transportation Agreement is for the sole benefit of the parties hereto, and no right of action shall accrue upon or by reason hereof, to or for the benefit of any third party. Nothing in this Transportation Agreement either express or implied, is intended or shall be construed to confer upon or give any person, corporation or governmental entity, other than the parties hereto, any right, remedy or claim under or by reason of this Transportation Agreement or any provisions or conditions hereof, and all of the provisions, representations, covenants and conditions herein contained shall inure to the sole benefit of and shall be binding upon the parties hereto and their respective representatives, successors and assigns.

10. **Successors and Assigns.** This Transportation Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

11. **Waiver; Modification.** The failure by any party to insist upon or enforce any of its rights shall not constitute a waiver thereof and nothing shall constitute a waiver of any party's right to insist upon strict compliance with the terms of this Transportation Agreement. Any party may waive the benefit of any provision or condition for its benefit which is contained herein. No oral modification of this Transportation Agreement shall be binding upon the parties and any modification must be in writing and signed.

12. **Governing Law.** This Transportation Agreement shall be governed by and construed under the laws of the State of Florida.

13. **Application; Effect.** If any provision of this Transportation Agreement or the application thereof to any party, person or circumstance shall be held or deemed to be invalid or unenforceable to any extent, the remainder of this Transportation Agreement and the application of such provisions to other parties, persons, or circumstances shall not be affected thereby and shall be enforced to the greatest extent permitted by law.

14. **Notices.** Any notices which may be permitted or required hereunder shall be in writing and shall be deemed to have been duly given as of the date and time the same are personally delivered, transmitted electronically (i.e. telecopier device) or within three (3) days

after depositing the United State Postal Services, postage prepaid by registered or certified mail, return receipt requested, or within one (1) day after depositing with Federal Express or other overnight delivery service from which a receipt may be obtained, and addressed as follows:

City:	Edward Bass, City Administrator 120 East Main Street Apopka, Florida 32703 Telephone: (407) 703-1712
With a copy to:	Michael A. Rodriguez, City Attorney 120 East Main Street Apopka, Florida 32703 Telephone: (407) 703-1658
Developer:	Apopka Centerline Development, LLC Attention: Craig Perry 15481 SW 12th Street, Suite 309 Sunrise, Florida 33326 Telephone (954) 324-1710
With a copy to:	Thomas R. Sullivan, Esq. GrayRobinson, P.A. 301 E. Pine Street, Suite 1400 Orlando, Florida 32801 Telephone (407) 244-5664

15. **Attorney's Fees.** In the event of any dispute hereunder for any action to interpret or enforce this Transportation Agreement, any provision hereof or any matter arising herefrom, the prevailing party shall be entitled to recover its reasonable cost, fee, expenses, including, but not limited to, witness fees, expert fees, consultant fees, attorney, paralegal and legal assistant fees, costs and expenses and other professional fees, costs, and expenses, whether suit be brought or not, and whether in settlement, in any declaratory action, at trial or on appeal.

16. **Performance.** Time is of the essence in the performance of this Transportation Agreement.

17. **Traffic Capacity/Concurrency**. The City acknowledges that the City has reserved sufficient traffic capacity for the entire Project. The City further acknowledges that, pending the results of the Corridor Study, the performance of the Improvements as set forth herein satisfies all transportation improvement obligations of any kind, including but not limited to transportation concurrency and operational improvements, necessary for the full build out of The Ridge.

18. **Consistency**. To the extent any provisions of this Transportation Agreement are inconsistent with, or are more specific than, the PD, this Transportation Agreement controls.

IN WITNESS WHEREOF, the parties hereto have caused this Transportation Agreement to be executed in form and manner sufficient to bind them as of the date indicated hereinabove.

Witnesses:

Printed Name: Katherine Asencio

Printed Name: Ernesto Mitsumasu

APOPKA DEVELOPMENT OPPORTUNITY, LLC, a Delaware limited liability company

By:
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 17th day of August, 2021, by Craig Perry, as Manager of Apopka Development Opportunity, LLC, a Delaware limited liability company, who is known to me ✓ or who produced N/A as identification on behalf of the company.

Notary Public State of Florida
Vanessa Bodden
My Commission HH 088766
Expires 02/03/2025

Notary Public
State of Florida at Large

My Commission Expires: 2/3/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Katherine Asenco

Printed Name: Ernesto Hitsumasu

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

By: _____
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 17th day of August, 2021, by Craig Perry, as Manager of Apopka Centerline Development, LLC, a Florida limited liability company, who is known to me ✓ or who produced N/A as identification on behalf of the company.

Notary Public State of Florida
Vanessa Bodden
My Commission HH 088766
Expires 02/03/2025

_____
Notary Public
State of Florida at Large

My Commission Expires: 2/3/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses: Troy S. Bronson, **as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009**

Printed Name: Charlie Hilton

By: Roy S Bronson
Name: Troy S Bronson
Title: Trustee

Printed Name: Andrew Bassler

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July 2021, 2021, by Troy S. Bronson as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me X or who produced _____ as identification on behalf of the company.

Donna M. Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/25

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

#43852157 v13

Witnesses:

Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009

Printed Name: Charlie Vu

By: Troy S. Bronson
Name: Troy S. Bronson
Title: Trustee

Printed Name: Andrew Baker

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July 2021, by Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Donna M. Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/25

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Charlie Vickers

Printed Name: Andrew Baesler

TROY S. BRONSON FAMILY, LP, a Florida limited partnership

By: Troy S. Bronson
Name: Troy S. Bronson
Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July 2021, by Troy S. Bronson as General Partner of Troy S. Bronson Family Limited Partnership, a Florida limited partnership, who is known to me X or who produced _____ as identification on behalf of the company.

Donna M. Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/25

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

BINION PARTNERS, LLC, a Florida limited liability company

Printed Name: Charlie Tickey

By: Troy S. Bronson
Name: Troy S. Bronson
Title: Owner

Printed Name: Andrew Bassler

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30 day of July 2021, 2021, by Troy S. Bronson as Manager of Binion Partners, LLC, a Florida limited liability company, who is known to me ✗ or who produced _____ as identification on behalf of the company.

Donna M Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/25

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112083
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name:

Printed Name:

JOHN KIRKLAND and DONNA MARIA ROBERTSON KIRKLAND, as joint tenants with rights of survivorship

By:
Name: John Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30th day of July, 2021, by John Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of himself.

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

Notary Public
State of Florida at Large

My Commission Expires: 11/24/2023

Printed Name:

Printed Name:

By:
Name: Donna Maria Robertson Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 30th day of July, 2021, by Donna Maria Robertson Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of herself.

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

Notary Public
State of Florida at Large

My Commission Expires: 11/24/2023

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

CITY OF APOPKA

By: Bryan Nelson
Bryan Nelson, Mayor

ATTEST:
Susan M Bone
Susan Bone, City Clerk

Approved as to Form:

Michael A. Rodriguez, City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 18 day of August, 2021, by Bryan Nelson, who is known to me ✓ or produced ___ as identification as Mayor of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida.

Victoria D. Parks
Notary Public
State of Florida at Large

My Commission Expires: January 3, 2022

VICTORIA D. PARKS
Commission # GG 172529
Expires January 3, 2022
Bonded Thru Troy Fain Insurance 800-385-7019

Exhibit "C"

Permitted Uses

Permitted uses shall be those listed as Permitted under the RSF-1A, RSF-1B, C-C, I-L and MU-ES-GT zoning districts in Table 4.2.2.C: Principal Use Table in the City of Apopka's Land Development Code. The following uses are permitted based on the specific location in the development as listed,

- Heavy equipment sales, rental, repair, servicing or storage (permitted on Parcel 5 only and shall be enclosed and setback a minimum of 50 feet from the right-of-way line.
- Machine shop - permitted on Parcel 5 only and shall be enclosed.
- Automobile service station (permitted on Parcel 1 and Parcel 3 must be setback from Ocoee Apopka Road frontage.
- Car wash – must be enclosed; permitted on Parcel 1, and Parcel 3.
- Consolidated storage (self-service storage) - permitted on Parcel 5; additional architectural building features required; must have office like façade.
- Outdoor storage (as ancillary use) - permitted on Parcel 5; materials stored may not exceed 10 feet in height; 6-8 feet tall perimeter wall is required; Type D Landscape Buffer is required; located at least 50 feet from Spine Road.
- Restaurant, fast-food - permitted on Parcel 1 and Parcel 3 only; menu order board; drive-through and pick-up windows must not face any right-of-way; stacking must comply with requirements of Table 5.1.10.A.1.
- Solar energy collection facility - permitted on Parcel 5 only.
- Cigar shop only on Parcel 3.
- Building, heating/air conditioning, plumbing, or electrical contractor's storage yard materials stored may not exceed 10 feet in height; 6-8 foot tall screen wall is required; permitted on Parcel 5 only; must be screened and/or enclosed.
- Park and ride facility - permitted on Parcel 1, and Parcel 3 only; vehicle charging stations must be included.
- **Vehicle or trailer parking storage (permitted on Parcel 5 only; no frontage along internal Spine Road and must be located behind a 6-8 foot tall screen wall.**

Prepared by and Return to:
Thomas R. Sullivan, Esq.
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801

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12/09/2021 07:54:47 AM Page 1 of 10
Rec Fee: $86.50
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

FIRST AMENDMENT TO PLANNED DEVELOPMENT AGREEMENT (THE RIDGE)

This **First Amendment Planned Development Agreement** (the **"First Amendment"**) is made and entered into this __ day of December, 2021 (the **"Effective Date"**) by and among, City of Apopka, a Florida municipal corporation, whose mailing is 120 East Main Street, Apopka, Florida 32703 (the **"City"**), and Apopka Development Opportunity, LLC, a Delaware limited liability company whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 (**"ADO"**), Apopka Centerline Development, LLC, a Florida limited liability company, whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 (**"Apopka Centerline"**) ("ADO and Apopka Centerline are hereinafter collectively referred to as **"Centerline"**); Ina Ruth Bronson Trust and Troy S. Bronson Trust, whose mailing address is 1400 Ocoee Apopka Road, Apopka, Florida 32703 (**"Homestead"**), Troy S. Bronson Family, Limited Partnership, a Florida limited partnership, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 (**"Bronson LP"**); Binion Partners, LLC, a Florida limited liability company, whose mailing address is P.O. Box 1069, Apopka, Florida 32704 (**"Binion"**); and John and Donna Kirkland, as joints tenants with right of survivorship, whose mailing address is 1920 Boy Scout Road, Apopka, Florida 32703 (**"Kirkland"**), (Centerline, Homestead, Bronson LP, Binion and Kirkland are collectively hereinafter referred to as **"Developer"**).

RECITALS

WHEREAS, City and Developer entered into that certain Planned Development Agreement (The Ridge) recorded among the Public Records of Orange County, Florida on August 31, 2021 as Document Number #20210532976 (the **"Agreement"**);

WHEREAS, after entering into the Agreement, City and Developer established a Community Development District called The Ridge At Apopka CDD (the **"CDD"**) pursuant to Chapter 190, Florida Statutes to, among other things, construct certain improvements, including the Transportation Improvements; and

WHEREAS, City and Developer desire to amend the Agreement according to the terms, covenants and conditions as more particularly set forth herein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties, City and Developer agree to amend the Agreement as follows:

1. **Recitals**. The recitals set forth above are true and correct and are incorporated as if fully set forth herein.

2. **Definitions**. Capitalized terms not otherwise defined herein shall have the meanings ascribed to such terms in the Agreement.

3. **CDD**. Section 3 of the Agreement is hereby superseded and replaced as follows:

CDD. Prior to the issuance of the first building permit for the initial phase of the Project, the City and the Developer shall establish the CDD pursuant to the requirements of Chapter 190, Florida Statutes. The parties will execute any documents reasonably necessary to affect the establishment of the CDD. Any of the obligations of the Developer created herein on in the Transportation Agreement, PD, or in any other development approval issued by the City for the Project, may be funded or undertaken by the CDD pursuant to Sections 190.012(1)(g), (h), Florida Statutes. Developer shall cause the CDD to create a Board of Supervisors which shall, in turn, establish all governing documents for the CDD (the "**Governing Documents**"). The Governing Documents shall be consistent with this PD Agreement and the Transportation Agreement and, to the extent of a conflict, this PD Agreement and the Transportation Agreement shall supersede the Governing Documents. Developer shall also create and record a covenant that shall provide for the establishment of an Architectural Review Committee ("**ARC**"). Each individual phase of the Project shall be required to submit plans and specifications to the ARC before seeking approval of the same from the City. The ARC shall require that all such plans and specifications are consistent with this PD Agreement and the Transportation Agreement. The ARC shall issue an approval letter to the City as part of permit applications submitted to the City for the Project. The City and the Developer agree that the Project is intended to be a first-class community and the ARC shall establish review criteria consistent with such intent and similar communities within the Central Florida area.

4. **Ratification**. The Agreement remains in full force and effect except as expressly modified by this First Amendment and is ratified and confirmed. If there is a conflict between the terms of the Agreement and this First Amendment, the terms of this First Amendment shall control.

5. **Multiple Counterparts; Electronic Signatures**. This First Amendment may be executed in multiple counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same agreement. The counterparts of this First Amendment may be executed by electronic signatures and may be delivered electronically by any party to any other party and the receiving party may rely on the receipt of such document so executed and delivered by electronic means as if the original had been received.

Signatures appear on the following page(s).

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment as of the date first above written.

Witnesses:

Printed Name: Katherine Arenio

Printed Name: Ernesto Mitsumasu

APOPKA DEVELOPMENT OPPORTUNITY, LLC, a Delaware limited liability company

By:
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 2nd day of December 2021, by Craig Perry, as Manager of Apopka Development Opportunity, LLC, a Delaware limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Notary Public
State of Florida at Large

My Commission Expires: 10/7/2025

TATIANA IPARRAGUIRRE
MY COMMISSION # HH 176133
EXPIRES: October 7, 2025
Bonded Thru Notary Public Underwriters

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

Printed Name: Katherine Aseacio

By: _____
Name: Craig Perry
Title: Manager

Printed Name: Ernesto Mitsumasu

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 2nd day of December, 2021, by Craig Perry, as Manager of Apopka Centerline Development, LLC, a Florida limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Notary Public
State of Florida at Large

My Commission Expires: 10/7/2025

TATIANA IPARRAGUIRRE
MY COMMISSION # HH 176133
EXPIRES: October 7, 2025
Bonded Thru Notary Public Underwriters

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Margaret M. Bronson Snell

Printed Name: KEVIN TWIST

Troy S. Bronson and Margaret Marie Coressel, as Successor Trustees of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009

By: Troy S. Bronson

Name: Troy S. Bronson

Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3 day of December, 2021, by Troy S. Bronson, as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me X or who produced _____ as identification on behalf of the company.

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

Donna M Kirkland

Notary Public
State of Florida at Large

My Commission Expires: 7/27/2025

Printed Name: Dean Perry

Printed Name: KEVIN T. WISE

By: Margaret Marie Coressel

Name: Margaret Marie Coressel

Title: Co Trustee

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3 day of December, 2021, by Margaret Marie Coressel, as Successor Trustee of the Ina Ruth Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me X or who produced _____ as identification on behalf of the company.

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

Donna M Kirkland

Notary Public
State of Florida at Large

My Commission Expires:

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Margaret M. Bronson-Sewell

Printed Name: Kevin T. Cupler

Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009

By: Troy S. Bronson
Name: TROY BROWN
Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3 day of December, 2021, by Troy S. Bronson, as Trustee of the Troy S. Bronson Revocable Trust U/T/A dated February 17, 2009, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Donna M Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/2025

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

#45892990 v4

Witnesses:

Printed Name: Margaret M Bronson-Sewell

Printed Name: Kristin T Wirtsch

TROY S. BRONSON FAMILY, Limited Partnership, a Florida limited partnership

By: Troy S. Bronson
Name: Troy S. Bronson
Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3 day of December, 2021, by Troy S. Bronson as General Partner of Troy S. Bronson Family Limited Partnership, a Florida limited partnership, who is known to me X or who produced _____ as identification on behalf of the company.

Donna M Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/2025

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

#45892990 v4

Witnesses:

Printed Name: Margaret M. Bronson-Sewell

Printed Name: Ronnie T. Wolfe

BINION PARTNERS, LLC, a Florida limited liability company

By:
Name: TROY S BRONSON
Title: General Partner

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3 day of December, 2021, by Troy S. Bronson as Manager of Binion Partners, LLC, a Florida limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Donna M Kirkland
Notary Public
State of Florida at Large

My Commission Expires: 7/27/2025

Notary Public State of Florida
Donna M Kirkland
My Commission HH 112063
Expires 07/27/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

JOHN KIRKLAND and DONNA MARIA ROBERTSON KIRKLAND, as joint tenants with rights of survivorship

Printed Name: Dean Perry

Printed Name: KEVIN T. Walsh

By: Jon Kirkland

Name: John Kirkland

Jon Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3rd day of December, 2021, by John Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of himself.

Nafeeza Khan

Notary Public
State of Florida at Large

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

My Commission Expires:

Printed Name: Dean Perry

Printed Name: KEVIN T. Walsh

By: Donna M Kirkland

Name: Donna Maria Robertson Kirkland

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3rd day of December, 2021, by Donna Maria Robertson Kirkland, an individual, who is known to me ✓ or who produced _____ as identification on behalf of herself.

Nafeeza Khan

Notary Public
State of Florida at Large

Notary Public State of Florida
Nafeeza A. Khan
My Commission GG 934418
Expires 11/24/2023

My Commission Expires:

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

CITY OF APOPKA

By: Bryan Nelson
Bryan Nelson, Mayor

ATTEST: Susan M Bone
Susan Bone, City Clerk

Approved as to Form:

Michael A. Rodriguez, City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 2 day of December, 2021, by Bryan Nelson, who is known to me ✓ or produced ___ as identification as Mayor of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida.

Victoria D Parks
Notary Public
State of Florida at Large

My Commission Expires: Jan. 3, 2022

VICTORIA D. PARKS
Commission # GG 172529
Expires January 3, 2022
Bonded Thru Troy Fain Insurance 800-385-7019

Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

DOC# 20220758797
12/19/2022 09:46:48 AM Page 1 of 14
Rec Fee: $120.50
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00

FIRST AMENDMENT TO TRANSPORTATION IMPROVEMENTS DEVELOPMENT AGREEMENT AND GRANT OF EASEMENT

THIS **FIRST AMENDMENT TO TRANSPORTATION IMPROVEMENTS DEVELOPMENT AGREEMENT AND GRANT OF EASEMENT** (this "**First Amendment**") is entered into as of OCTOBER 19, 2022 (the "**Effective Date**") by and among **City of Apopka**, a Florida municipal corporation, whose mailing address is 120 East Main Street, Apopka, Florida 32703 (hereinafter referred to as "**City**"), and Apopka Development Opportunity, LLC, a Delaware limited liability company whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**ADO**"), Apopka Centerline Development, LLC, a Florida limited liability company, whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**Apopka Centerline**") ("ADO and Apopka Centerline are hereinafter collectively referred to as "**Centerline**"), AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company, whose mailing address is 245 Park Ave., 26th Floor, New York, NY 10167 ("**Lennar**"), DRP FL 5, LLC, a Delaware limited liability company whose address is 251 Little Falls Drive, Wilmington, DE 19808 ("**DRP**"), and Ridge 429 Owner, LLC, a Delaware limited liability company whose mailing address is 3411 Silverside Road Tatnall Building #104, Wilmington, DE 19810 ("**429**") (Centerline, Lennar, DRP and 429 are collectively hereinafter referred to as "**Developer**").

RECITALS:

WHEREAS, City, Apopka Development Opportunity, LLC, Apopka Centerline Development, LLC, Ruth Ina Bronson Trust and Troy S. Bronson Trust, Troy S. Bronson Family, LP, Binion Partners, LLC, and John and Donna Kirkland Developer entered into that certain Transportation Improvements Development Agreement and Grant of Easement Development Agreement recorded among the Public Records of Orange City, Florida on August 31, 2021 as Pages 22-35 of Document Number #20210532976 (the "**Agreement**");

WHEREAS, Lennar, DRP and 429 are successor owners of property in The Ridge (as defined in the Agreement);

WHEREAS, the Agreement contemplates that Developer perform certain Transportation Improvements in exchange for Transportation Impact Fee Credits (as such terms are defined in the Agreement);

WHEREAS, after entering into the Agreement, City and Developer established a Community Development District called The Ridge At Apopka CDD (the "**CDD**") pursuant to Chapter 190, Florida Statutes to, among other things, construct certain improvements, including the Transportation Improvements; and

WHEREAS, City and Developer desire to amend the Agreement according to the terms, covenants and conditions as more particularly set forth herein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties, City and Developer agree to amend the Agreement as follows:

1. **Recitals**. The recitals set forth above are true and correct and are incorporated as if fully set forth herein.

2. **Definitions**. Capitalized terms not otherwise defined herein shall have the meanings ascribed to such terms in the Agreement.

3. **Constructing Party**. City and Developer agree that Centerline shall be the party causing the performance of the Transportation Improvements.

4. **Transportation Improvements**. City and Centerline agree that the full extent of the Transportation Improvements to be performed by the CDD and Centerline has now been agreed upon and generally include the Corridor Study, Initial Intersection Improvements, approximately 1.2 miles of improvements to Ocoee Apopka Road from Harmon Road to 13th Street as identified by the Corridor Study, conveyance of right of way for the realignment of Boy Scout Road at Binion Road in connection with future ramps, all as more particularly depicted and described on The Ridge Corridor Study Limits attached hereto and incorporated herein by this reference as **Exhibit "1"**, The Ridge Initial Intersection Improvements Plan attached hereto and incorporated herein by this reference as **Exhibit "2"**, The Ridge Boy Scout Road ROW and Stormwater Area attached hereto and incorporated herein by this reference as **Exhibit "3"**, and The Ridge Ocoee Apopka Roadway Construction attached hereto and incorporated herein by this reference as **Exhibit "4"**. It is anticipated that the total cost of the Transportation Improvements will total approximately $12,000,000.00.

5. **Transportation Impact Fee Credits**. Consistent with the Agreement, the City agrees that Centerline shall receive the Corridor Study Credits in the manner set forth in the Agreement. The City further agrees that Centerline shall receive transportation impact fee credits for 100% of the actual out-of-pocket costs and expenses incurred by Centerline to design, permit and construct the Initial Intersection Improvements. Such transportation impact fee credits for the Initial Intersection Improvements shall be awarded by the City to Centerline not later than thirty (30) days after the City's receipt and review a written letter from Centerline requesting such credits for the completion of the Initial Intersection Improvements.

6. **Reimbursement to Centerline**. In lieu of the Transportation Impact Fee Credits described in the Agreement, City and Centerline agree that City shall reimburse Centerline in cash or immediately available funds 100% of the actual out-of-pocket costs and expenses incurred by Centerline in performing the Transportation Improvements other than the Initial Intersection Improvements and the Corridor Study, including without limitation all costs of survey, design, permitting, construction, construction engineering, construction administration, performance/construction bonds, final testing and certification costs, as well as other customary and normal costs of causing the performance of the Transportation Improvements. For clarity and avoidance of doubt, to the extent owned by Centerline, Centerline shall dedicate thirty (30) feet of right of way along Ocoee Apopka Road to the City for no consideration. Should the approved Corridor Study identify additional right of way owned by Centerline beyond said thirty (30) feet, the City shall reimburse Centerline for the conveyance of such additional right of way to the City consistent with the appraisal process set forth in the City Code.

7. **Phasing**. The Transportation Improvements may be completed in phases by Centerline, its sole discretion, but in coordination with the City.

8. **Administration and Timing of Reimbursement**. Prior to commencing the Transportation Improvements (other than the Initial Intersection Improvements and the Corridor Study) any phase thereof, Centerline shall submit notice of intent to proceed to the City with such notice including a summary of the particular Transportation Improvements to be performed and the associated anticipated costs thereof. City shall respond, in writing, to such notice within ten (10) business days thereby confirming its agreement with the work to be performed and its associated costs. Such confirmation by the City shall include a binding representation that the City has the funds needed to reimburse Centerline on a monthly basis within thirty (30) days of Centerline performing such work which shall be relied upon by Centerline in performance thereof. In the event that the City does not timely respond to the notice or responds indicating that is does not agree with Centerline proceeding with the performance of the Transportation Improvements or phase thereof, Centerline shall not be obligated to proceed and City and Centerline shall work together in good faith to implement another amicable option to the construction of the Transportation Improvements.

9. **Insurance**. Centerline and/or its contractor(s) shall procure and maintain, throughout the construction of the improvements, insurance with limits and terms as specified below:

- Workers' compensation insurance with statutory workers' compensation limits and no less than $100,000 limit for Employers' Liability with a waiver of subrogation in favor of City, its consultants, agents, employees, and officials.

- Commercial general liability insurance for all operations including but not limited to contractual, products and completed operations, and personal injury with limits of not less than $1,000,000 per occurrence and an aggregate limit of at least twice the per occurrence limit.

- Business automobile liability insurance for all owned, non-owned, and hired vehicles with limits of not less than $1,000,000 per occurrence.

Centerline shall be responsible for ensuring that each of its contractors and subcontractors of every tier procure and maintain the insurance specified above and shall furnish to City satisfactory evidence of such insurance prior to commencement of construction. City shall be listed as an additional insured on all insurance policies required herein, except workers' compensation. All coverage shall be primary and not contributory with any insurance Centerline shall be responsible for ensuring that each of its contractors and or self-insurance maintained by City. City shall be notified not less than thirty (30) days prior to any material change, cancellation, or non-renewal of any policy required herein.

9. **Indemnification**. Centerline shall and shall cause its contractor(s) to defend, indemnify, and hold harmless City, its officials, and employees from and against all liabilities, claims, damages, losses, costs, and expenses (including attorneys' fees) arising out of or resulting from the performance of the construction activities, provided that any such liability, claim, damage, loss, cost, or expense:

- Is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the construction activities themselves) including the loss of use resulting therefrom and

- Is caused in whole or in part by any act or omission of the contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in whole or in part by a party indemnified hereunder.

Provided, however, if this Agreement or any underlying contract for construction of any Improvements is deemed by a court of competent jurisdiction to be a construction contract under Section 725.06, Florida Statutes, any obligation of the contractors to defend, indemnify, or hold harmless City, its officials, and employees shall be limited to an obligation to indemnify and hold harmless to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the contractors and persons employed or utilized by the contractors in the performance of the construction activities.

The indemnification provisions contained herein shall survive the termination of this Agreement.

10. **Timeframe to Commence Transportation Improvements**. The City and Centerline agree that the Transportation Improvements are intended to be fully commenced within four (4) years of the Effective Date (the "**Commencement Date**"). In the event that the Transportation Improvements are not started by the Commencement Date, for any reason, then Centerline's obligation to perform any additional or remaining work that thhas not yet been commenced shall automatically terminate and be of no further force or effect.

11. **Ratification**. The Agreement remains in full force and effect except as expressly modified by this First Amendment and is ratified and confirmed. If there is a conflict between the terms of the Agreement and this First Amendment, the terms of this First Amendment shall control.

12. **Multiple Counterparts; Electronic Signatures**. This First Amendment may be executed in multiple counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same agreement. The counterparts of this First Amendment may be executed by electronic signatures and may be delivered electronically by any party to any other party and the receiving party may rely on the receipt of such document so executed and delivered by electronic means as if the original had been received.

Signatures appear on the following page(s).

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment as of the date first above written.

Witnesses:

Printed Name: Katherine Asenio

Printed Name: Ernesto Mitsuhagu

APOPKA DEVELOPMENT OPPORTUNITY, LLC, a Delaware limited liability company

By: _____
Name: Craig Perry
Title: Manager

STATE OF FLORIDA
CITY OF _____

The foregoing instrument was acknowledged before me this 24th day of October, 2022, by Craig Perry, as Manager of Apopka Development Opportunity, LLC, a Delaware limited liability company, who is known to me ___ or who produced _____ as identification on behalf of the company.

TATIANA IPARRAGUIRRE
MY COMMISSION # HH 176133
EXPIRES: October 7, 2025
Bonded Thru Notary Public Underwriters

Notary Public
State of Florida at Large

My Commission Expires: 10/7/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: Katherine Asenio

Printed Name: ERNESTO MITSUMATU

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

By:
Name: CRAIG PERRY
Title: MANAGER

STATE OF FLORIDA
CITY OF SUNRISE

The foregoing instrument was acknowledged before me this 24th day of October, 2024, by CRAIG PERRY, as MANAGER of Apopka Centerline Development, LLC, a Florida limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

TATIANA IPARRAGUIRRE
MY COMMISSION # HH 176133
EXPIRES: October 7, 2025
Bonded Thru Notary Public Underwriters

Notary Public
State of Florida at Large

My Commission Expires: 10/7/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

DRP

Signed, sealed and delivered in the presence of

DRP FL 5, LLC., a Delaware limited liability company

By: DW General Partner, LLC, a Delaware limited liability company, its manager

By: Houdin Honarvar
Name: HOUDIN HONARVAR
Title: AUTHORIZED SIGNATORY

Printed Name: Mila Janette Sunio

Printed Name: Victor Lee

STATE OF NEW YORK
CITY OF NEW YORK

The foregoing instrument was acknowledged before me by means of ✓ physical presence or ___ online notarization, this 25 day of OCTOBER, 2022. by HOUDIN HONARVAR, as AUTHORIZED SIGNATORY of DW General Partners, LLC, a Delaware limited liability company, the Manager of DRP FL 5, LLC, a Delaware limited liability company, on behalf of the company. He/She ✓ is personally known to me or ___ has produced _____ as identification.

[NOTARIAL

DANIEL JESSE KIMMEL NOTARY NO. 01KI6432051 QUALIFIED IN NEW YORK COUNTY COMM. EXP. 04-25-2026 PUBLIC STATE OF NEW YORK

Notary: _____
Print Name: DANIEL JESSE KIMMEL
Notary Public, State of ~~Florida~~ NEW YORK
My Commission Expires: 04-25-2026

SIGNATURES CONTINUED ON FOLLOWING PAGE]

429:

Signed, sealed and delivered in the presence of

RIDGE 429 OWNER, LLC, a Delaware limited liability company

Signature of Witness
Print Name: Michael Sabat

Signature of Witness
Print Name: Laura Nelson

By: _____
Name: Steven E. McCraney
Title: Manager

STATE OF FL
CITY OF Orlando

The foregoing instrument was acknowledged before me by means of ✓ **physical** presence or ___ online notarization, this 1st day of November, 2022, by Steven McCraney, as manager **of Ridge 429 Owner, LLC**, a Delaware limited liability company, on behalf of the entity. **He (a)** ✓ **is personally** known to me or (b) ___ has produced _____ as identification.

[NOTARIAL

HANNAH JORDAN
Notary Public
State of Florida
Comm# HH321765
Expires 10/13/2026

Notary: _____
Print Name: Hannah Jordan
Notary Public, State of Florida
My Commission Expires: 10/13/2026

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

LENNAR:

Signed, sealed and delivered in the presence of

AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company

BY: Essential Housing Asset Management, LLC, an Arizona limited liability company

Signature of Witness
Print Name: Jeanette Lakavage

Signature of Witness
Print Name: Wendy Stoeckel

By: _____
Name: Steven S. Benson
Title: Manager of Essential Housing Asset Management, LLC, an Arizona limited liability company, the Authorized Agent of AG EHC II (LEN) Multi State 1, LLC

STATE OF ARIZONA
CITY OF MARICOPA

The foregoing instrument was acknowledged before me by means of __ physical presence or ___ online notarization, this 4 day of November, 2022, by Steven S. Benson, as Manager of Essential Housing Asset Management, LLC, an Arizona limited liability company, the Authorized Agent of AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company, on behalf of the entity. He (a) ✓ is personally known to me or (b) ___ has produced _____ as identification.

Jaime Marie Adams
Notary Public
Maricopa County, Arizona
My Comm. Expires 07-01-25
Commission No. 607030

Notary: _____
Print Name: Jaime Marie Adams
Notary Public, State of Arizona
My Commission Expires: 07/01/2025

[NOTARIAL STAMP]

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

CITY OF APOPKA

By: _____
Bryan Nelson, Mayor

ATTEST:
_____
Susan Bone, City Clerk

Approved as to Form:
_____
Michael A. Rodriguez, City Attorney

STATE OF FLORIDA
CITY OF ORANGE

The foregoing instrument was acknowledged before me this 14 day of December, 2022, by Bryan Nelson, who is known to me ✓ or produced ___ as identification as _____ of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida.

VICTORIA D. PARKS
Commission # HH 212444
Expires January 3, 2026

_____
Notary Public
State of Florida at Large

My Commission Expires: January 6, 2026

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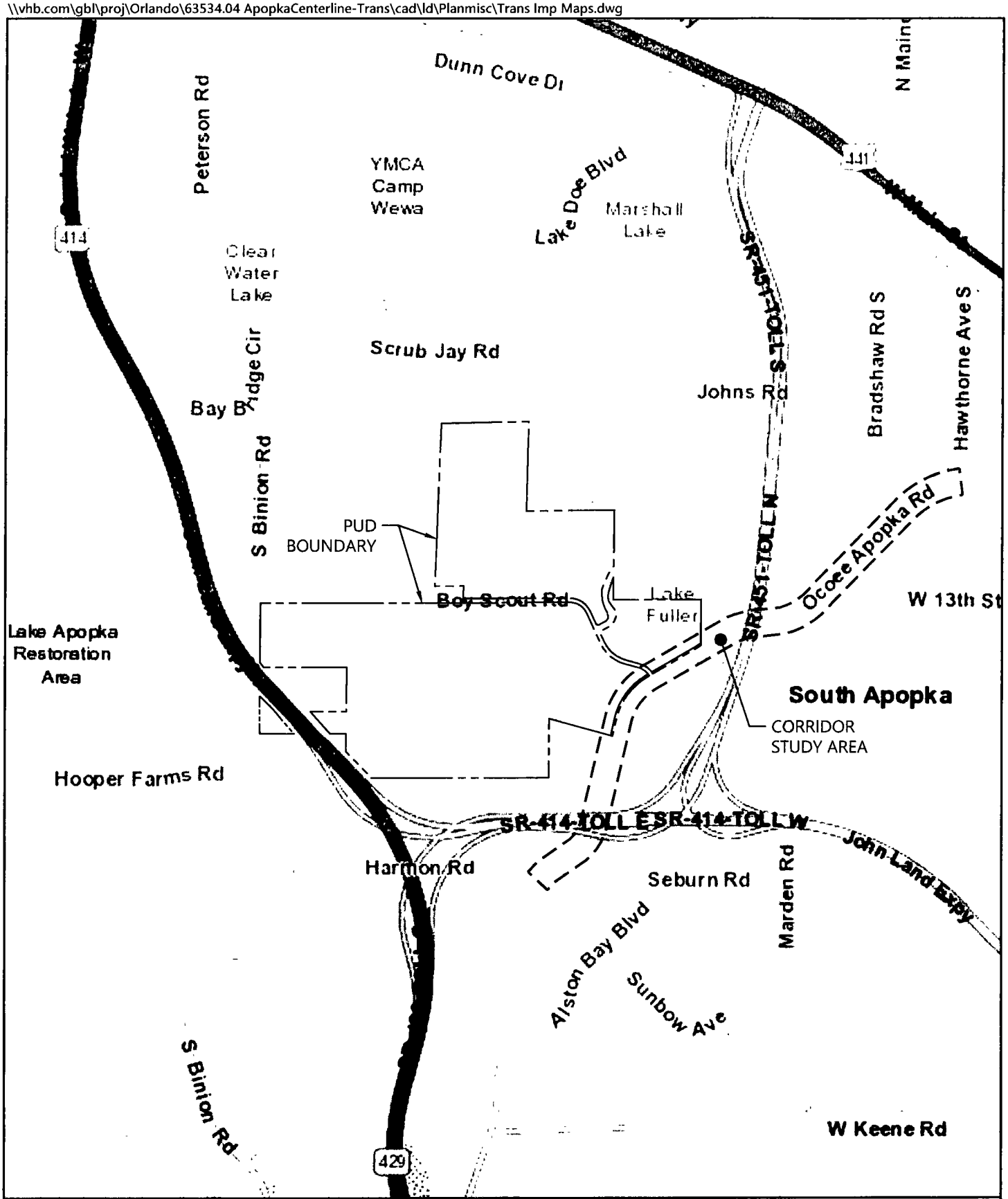

vhb
225 E. Robinson Street, Suite 300
Orlando, Florida 32801| 407.839.4006

The Ridge
Corridor Study Limits

Exhibit 1

March 2022

0 1,000' 2,000' 4,000'

N

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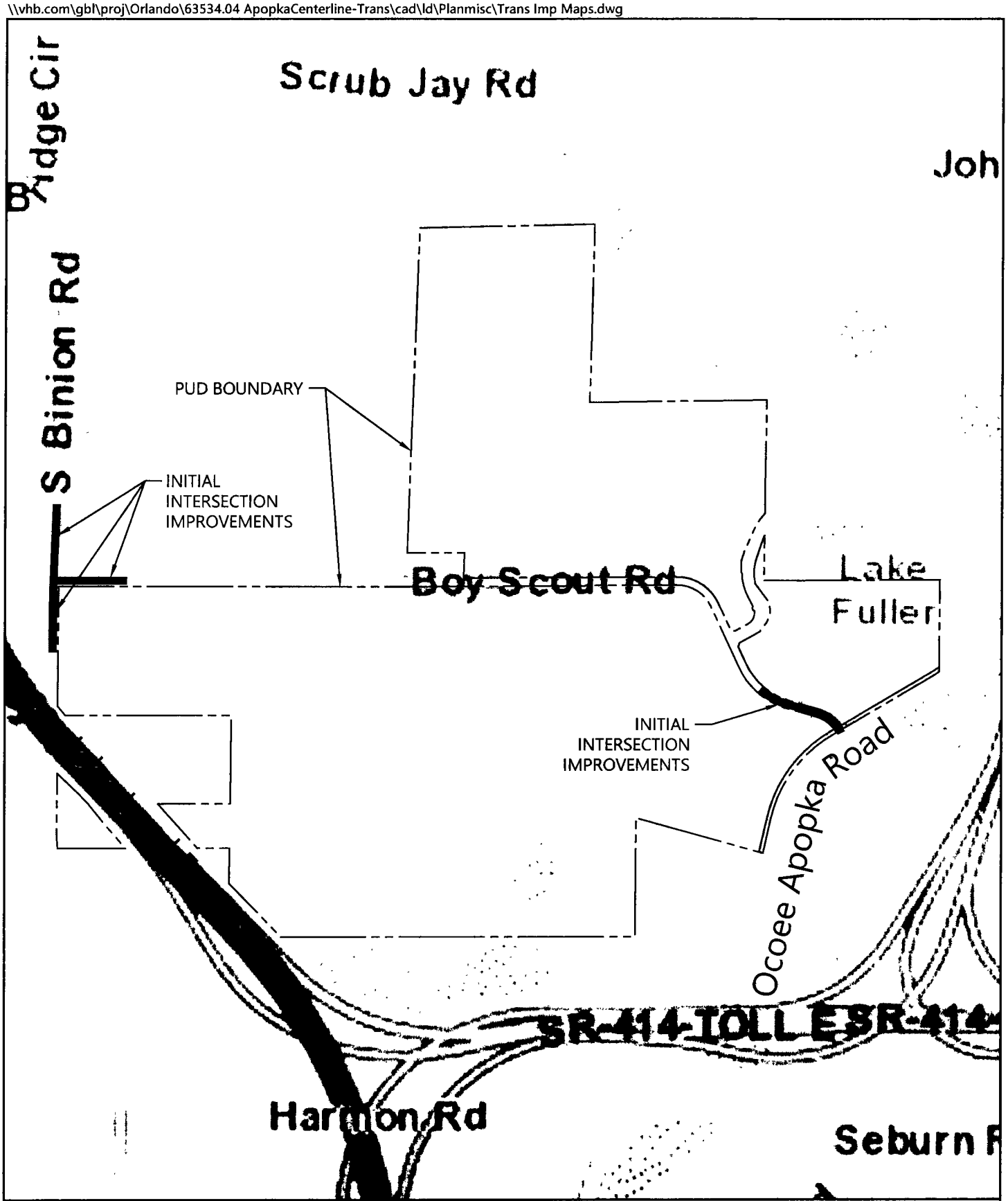

vhb
225 E. Robinson Street, Suite 300
Orlando, Florida 32801| 407.839.4006

The Ridge
Initial Intersection Improvements Plan
March 2022

Exhibit 2

N

0 500' 1,000' 2,000'

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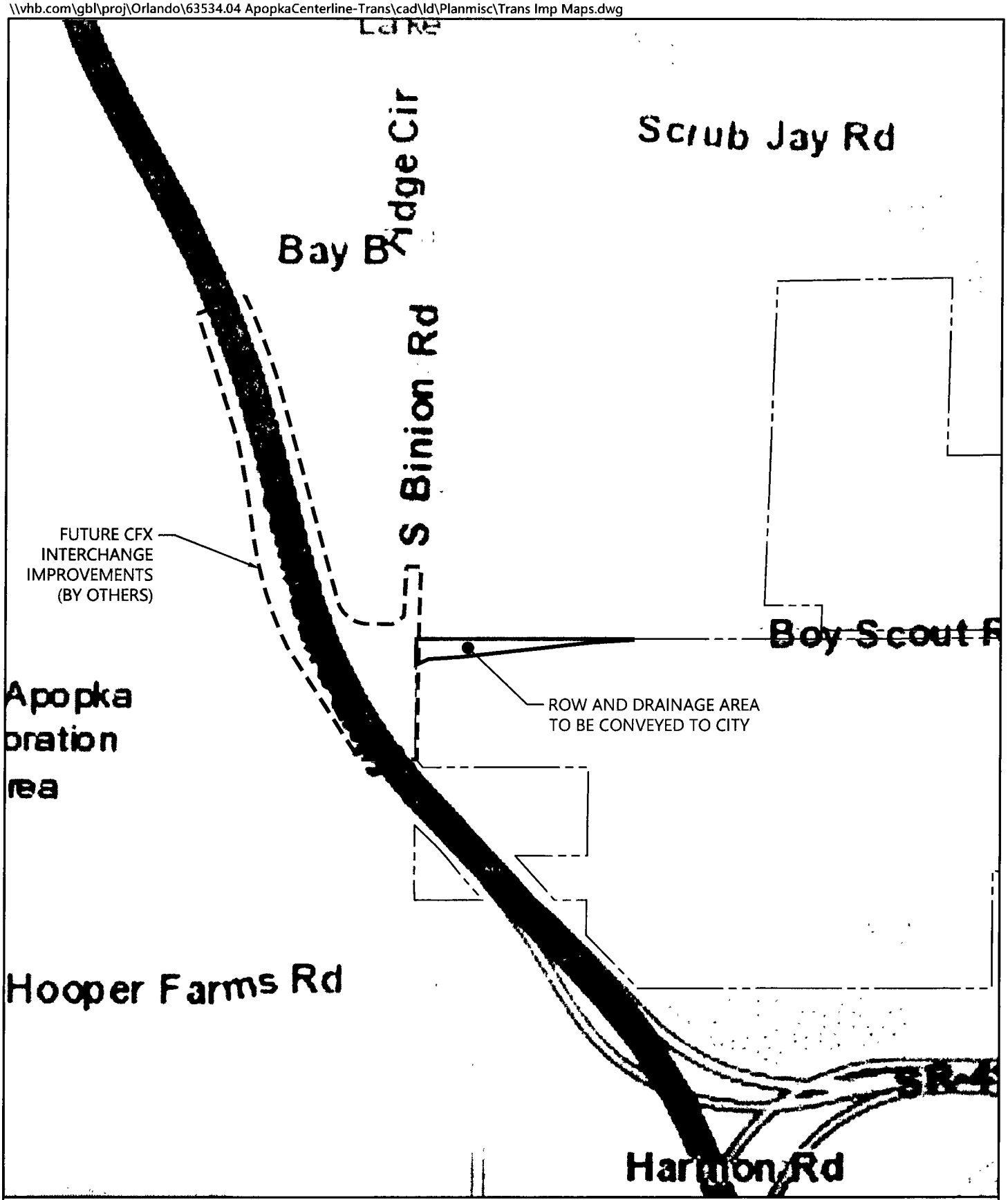

vhb
225 E. Robinson Street, Suite 300
Orlando, Florida 32801| 407.839.4006

The Ridge
Boy Scout Road ROW and Stormwater Area
March 2022

Exhibit 3

N

0 500' 1,000' 2,000'

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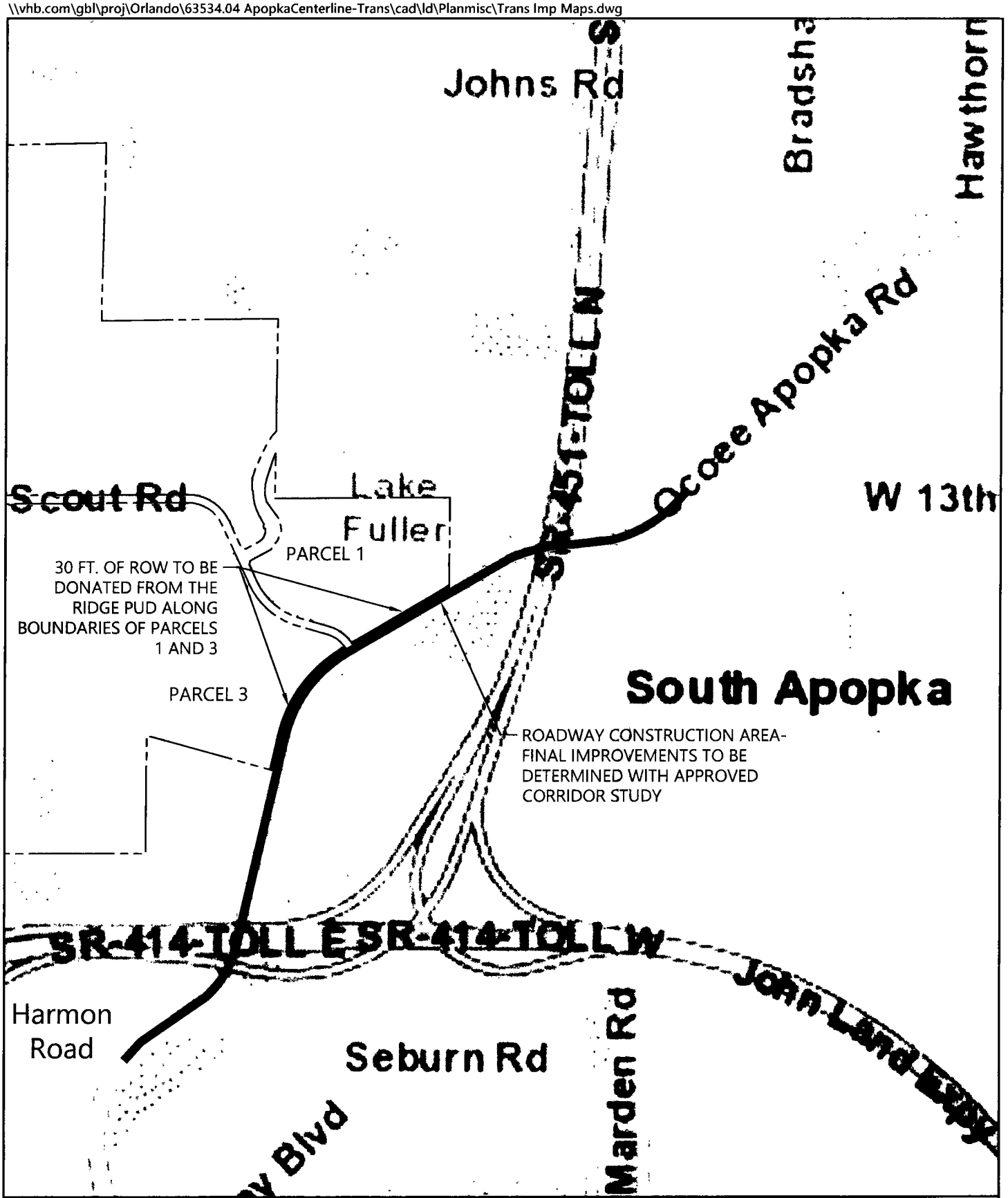

vhb
225 E. Robinson Street, Suite 300
Orlando, Florida 32801| 407.839.4006

The Ridge

Ocoee Apopka Roadway Construction

March 2022

Exhibit 4

N

0 500' 1,000' 2,000'

Orange County Public Schools

6501 Magic Way · Building 200 · Orlando, Florida 32809 · (407) 317-3700 · www.ocps.net

SCHOOL CONCURRENCY DETERMINATION
CAPACITY ENCUMBRANCE LETTER - REVISED

January 12, 2022

VIA E-MAIL: EHUGHES@VHB.COM
Erika Hughes
VHB
225 E. Robinson Street, Suite 300
Orlando, FL 32801

ACTION: RECOMMENDATION FOR APPROVAL for Application APK-21-021

This letter serves as the official Capacity Encumbrance Letter (CEL) on behalf of the City of Apopka by Orange County Public Schools that school capacity for the following development **is available**:

Type of Development Application	☒ Preliminary Plat/ Site Plan/ Functional Equivalent ☐ Amendment or Extension of CEL
Development Application #:	TBD
Project Name:	The Ridge PD
OCPS Completed Application Date:	October 26, 2021
Parcel #(s):	17-21-28-0000-00-006; -007; -008; -012; -013; -015; -017; -018; -023; -028; -030; 18-21-28-0000-00-013; -014; -032; -073
Requested Units (#):	Total: 1,259 SF <2,000: 390 SF 2,000–2,499: 0 SF 2,500-2,999: 0 SF 3,000–3,999: 0 SF >= 4,000: 0 MF: 678 TH: 191
School Board District:	# 7

Detailed Capacity Analysis: **Attachment A**

Upon review of the above-named application for School Concurrency Determination, the Department of Facilities Planning of Orange County Public Schools finds this application is approved based on sufficient school capacity at the affected Concurrency Service Areas (CSA) to support the development of 1,259 single family, townhome and multi-family residential units.

This determination expires on **June 13, 2022**. In the event this project does not possess a signed and notarized determination by the expiration date but still intends to move forward in the development process, the Applicant must resubmit the application and application fees, and be reevaluated by OCPS. In addition, should the scope of the project change (e.g., modification of unit count and/or unit type), a new determination will be required.

The following conditions shall apply to the approval of the CEL:

1. This letter must be signed and notarized by the Applicant, and returned to:

"The Orange County School Board is an equal opportunity agency."

Orange County Public Schools
Facilities Planning
6501 Magic Way, Building 200
Orlando Florida 32809

2. The Applicant must reserve capacity for the total units in the project in order to formally reserve school concurrency. As of the date of this CEL, the total School Capacity Reservation Fees for this project is $9,142,488.00, and shall be paid in accordance with the schedule below. Payment must be made using the Capacity Reservation Fee & Mitigation Form in Attachment B of this letter.

CAPACITY RESERVATION FEE SCHEDULE		
1st Installment Due On or Prior to June 13, 2022	$	3,047,496.00
2nd Installment Due On or Prior to June 13, 2023	$	3,047,496.00
3rd Installment Due On or Prior to June 13, 2024	$	3,047,496.00
TOTAL	**$**	**9,142,488.00**
Capacity reservation fees are NOT impact fees. However, capacity reservation fees should be applied as a credit toward school impact fees at the time of building permit issuance.		

3. Notwithstanding the schedule provided by Condition #2, the Applicant may prepay any or all of the Capacity Reservation Fees in advance or as the need arises. Applicant acknowledges and agrees that Applicant may only obtain building permits in direct proportion to the amount of Capacity Reservation Fees paid.
4. **If Applicant intends to start construction of the Project prior to the due date of the Capacity Reservation Fees, please contact the Department of Facilities Planning to discuss an alternate payment schedule.**
5. Upon issuance of this CEL, capacity for the Project will be encumbered for 180 days. Upon request, the CEL can be extended for an additional 180 days. Prior to the CEL expiration date, the owner of the account will be required to reserve the encumbered capacity by remitting the required payment.
6. School capacity for the project will be reserved for three years from the date of land use approval as long as payments are made in accordance with the Capacity Reservation Fee Schedule as described above. In the event a Capacity Reservation payment is not made, the reservation will be cancelled and the Applicant will need to re-apply for school concurrency.

This determination is governed by the provisions of the Amended Interlocal Agreement for Public School Facility Planning and Implementation of Concurrency, the provisions of the local government's adopted Comprehensive Plan, the Orange County Charter, and the Florida Statutes.

Please contact me at (407) 317-3700 ext. 2022391 or e-mail me at christopher.mills@ocps.net with any questions.

Sincerely,

Christopher Mills, AICP
Administrator, Facilities Planning

VJ/cm

Attachments – Attachment A: Detailed Capacity Analysis
Attachment B: Capacity Reservation Fee & Mitigation Form

CC: Bobby Howell, Planner, City of Apopka (via e-mail)
Jean Sanchez, Planner, City of Apopka (via e-mail)
Thomas Moore, OCPS (via email)
Project File

Acknowledgement of Conditions of Approval

Applicant acknowledges receipt of this Capacity Encumbrance Letter and agrees to the conditions set forth herein. Applicant also acknowledges that Concurrency is not formally reserved until:

- The conditions specified above are satisfied, and
- The first installment of the Capacity Reservation Fee is paid.

Signed By Applicant: _____ Date: _____

STATE OF FLORIDA COUNTY OF _____ .The foregoing instrument was acknowledged before me this ____ day of _____, 20__ by _____, as _____ of _____, a _____, on behalf of the _____. Said person (check one) ☐ is personally known to me or ☐ produced _____ as identification.

Printed Name:_____

Notary Public, State of _____

(Notary Seal)

Commission No._____

Commission expires:_____

Applicant must return a signed and notarized copy of this letter to OCPS Department of Facilities Planning.

Attachment A

Orange County Public Schools
Facilities Planning

School Concurrency Determination

User ID VSJ December 15, 20 14:17:50

Project ID: CMA-APK-21-021 Valid Until: June 13, 2022

Project Name:	THE RIDGE PD					
Unvested Units	SF <2,000 Sq. Ft. Units	229	SF 3,000-3,999 Sq. Ft. Units	0	Multi Family High Rise Units	0
	SF 2,000-2,499 Sq Ft Units	0	SF >=4,000 Sq. Ft Units	0	Townhome Units	62
	SF 2,500-2,999 Sq Ft Units	0	Multi-Family Units	300	Mobile Home Units	0

Concurrency				
	School Level	Elementary	Middle	High
	CSA:	BB		
	School:	WHEATLEY ES	WOLF LAKE MS	WEKIVA HS
	Analysis of Existing Conditions			
	CSA Capacity (2021-2022)	2,001	1,150	2,797
	Enrollment (2021-2022)	1,817	1,411	2,121
	Utilization (2021-2022)	90.8%	122.7%	75.8%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	384	0	676
	Analysis of Reserved Capacity			
	Encumbered Capacity	259	186	504
	Reserved Capacity	136	93	77
	Adjusted Utilization	110.5%	147.0%	96.6%
	Adjusted Available Seats	0	0	95
	Analysis of Proposed Development			
	Students Generated	91.956	44.588	58.028
	Adjusted Utilization	115.1%	150.8%	98.7%
	AVAILABLE/NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE*	AVAILABLE
	Number of Seats to Mitigate	91.956	44.588	0.000

Adjacency				
	School Level	Elementary	Middle	High
	CSA:	DD		
	School:	WOLF LAKE ES	PIEDMONT LAKES MS	WEKIVA HS
	Analysis of Existing Conditions			
	School Capacity (2021-2022)	1,638	1,113	2,797
	Enrollment (2021-2022)	973	991	2,121
	Utilization (2021-2022)	59.4%	89.0%	75.8%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	829	122	676
	Analysis of Reserved Capacity			
	Encumbered Capacity	376	131	504
	Reserved Capacity	24	2	77
	Adjusted Utilization	83.8%	101.0%	96.6%
	Adjusted Available Seats	429	0	95
	Analysis of Proposed Development			
	Students Generated	91.956	44.588	58.028
	Adjusted Utilization	89.4%	105.0%	98.7%
	AVAILABLE/NOT AVAILABLE	AVAILABLE	NOT AVAILABLE*	AVAILABLE
	Number of Seats to Mitigate	0.000	44.588	0.000

WHEATLEY ES
WOLF LAKE MS - *AVAILABLE – SCHEDULED FOR RELIEF IN 2022.
WEKIVA HS

Orange County Public Schools
Facilities Planning

School Concurrency Determination

User ID VSJ December 15, 20 14:26:14

Project ID: CMA-APK-21-021 A Valid Until: June 13, 2022

Project Name:	THE RIDGE PD					
Unvested Units	SF <2,000 Sq. Ft. Units	58	SF 3,000-3,999 Sq. Ft. Units	0	Multi Family High Rise Units	0
	SF 2,000-2,499 Sq Ft Units	0	SF >=4,000 Sq. Ft Units	0	Townhome Units	77
	SF 2,500-2,999 Sq Ft Units	0	Multi-Family Units	378	Mobile Home Units	0

Concurrency	School Level	Elementary	Middle	High
	CSA:	BB		
	School:	APOPKA ES	WOLF LAKE MS	WEKIVA HS
	Analysis of Existing Conditions			
	CSA Capacity (2021-2022)	2,001	1,150	2,797
	Enrollment (2021-2022)	1,817	1,411	2,121
	Utilization (2021-2022)	90.8%	122.7%	75.8%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	384	0	676
	Analysis of Reserved Capacity			
	Encumbered Capacity	259	186	504
	Reserved Capacity	136	93	77
	Adjusted Utilization	110.5%	147.0%	96.6%
	Adjusted Available Seats	0	0	95
	Analysis of Proposed Development			
	Students Generated	76.479	36.257	45.785
	Adjusted Utilization	114.4%	150.1%	98.2%
	AVAILABLE/NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE*	AVAILABLE
	Number of Seats to Mitigate	76.479	36.257	0.000

Adjacency	School Level	Elementary	Middle	High
	CSA:	DD		
	School:	WOLF LAKE ES	PIEDMONT LAKES MS	WEKIVA HS
	Analysis of Existing Conditions			
	School Capacity (2021-2022)	1,638	1,113	2,797
	Enrollment (2021-2022)	973	991	2,121
	Utilization (2021-2022)	59.4%	89.0%	75.8%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	829	122	676
	Analysis of Reserved Capacity			
	Encumbered Capacity	392	131	504
	Reserved Capacity	24	2	77
	Adjusted Utilization	84.8%	101.0%	96.6%
	Adjusted Available Seats	413	0	95
	Analysis of Proposed Development			
	Students Generated	76.479	36.257	45.785
	Adjusted Utilization	89.5%	104.3%	98.2%
	AVAILABLE/NOT AVAILABLE	AVAILABLE	NOT AVAILABLE*	AVAILABLE
	Number of Seats to Mitigate	0.000	36.257	0.000

APOPKA ES
WOLF LAKE MS - *AVAILABLE – SCHEDULED FOR RELIEF IN 2022.
WEKIVA HS

Orange County Public Schools
Facilities Planning

School Concurrency Determination

User ID VSJ December 15, 20 14:36:24

Project ID: CMA-APK-21-021 B Valid Until: June 13, 2022

Project Name:	THE RIDGE PD					
Unvested Units	SF <2,000 Sq. Ft. Units	103	SF 3,000-3,999 Sq. Ft. Units	0	Multi Family High Rise Units	0
	SF 2,000-2,499 Sq Ft Units	0	SF >=4,000 Sq. Ft Units	0	Townhome Units	52
	SF 2,500-2,999 Sq Ft Units	0	Multi-Family Units	0	Mobile Home Units	0

Concurrency	School Level	Elementary	Middle	High
	CSA:	BB		
	School:	APOPKA ES	WOLF LAKE MS	APOPKA HS
	Analysis of Existing Conditions			
	CSA Capacity (2021-2022)	2,001	1,150	3,189
	Enrollment (2021-2022)	1,817	1,411	3,525
	Utilization (2021-2022)	90.8%	122.7%	110.5%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	384	0	0
	Analysis of Reserved Capacity			
	Encumbered Capacity	259	186	0
	Reserved Capacity	136	93	82
	Adjusted Utilization	110.5%	147.0%	113.1%
	Adjusted Available Seats	0	0	0
	Analysis of Proposed Development			
	Students Generated	26.506	13.382	18.030
	Adjusted Utilization	111.9%	148.1%	113.7%
	AVAILABLE/NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE*	NOT AVAILABLE
	Number of Seats to Mitigate	26.506	13.382	18.030

Adjacency	School Level	Elementary	Middle	High
	CSA:	DD		
	School:	WOLF LAKE ES	PIEDMONT LAKES MS	WEKIVA HS
	Analysis of Existing Conditions			
	School Capacity (2021-2022)	1,638	1,113	2,797
	Enrollment (2021-2022)	973	991	2,121
	Utilization (2021-2022)	59.4%	89.0%	75.8%
	LOS Standard	110.0%	100.0%	100.0%
	Available Seats	829	122	676
	Analysis of Reserved Capacity			
	Encumbered Capacity	441	131	504
	Reserved Capacity	24	2	77
	Adjusted Utilization	87.8%	101.0%	96.6%
	Adjusted Available Seats	364	0	95
	Analysis of Proposed Development			
	Students Generated	26.506	13.382	18.030
	Adjusted Utilization	89.4%	102.2%	97.3%
	AVAILABLE/NOT AVAILABLE	AVAILABLE	NOT AVAILABLE*	AVAILABLE
	Number of Seats to Mitigate	0.000	13.382	0.000

APOPKA ES
WOLF LAKE MS - *AVAILABLE – SCHEDULED FOR RELIEF IN 2022.
APOPKA HS

Attachment B

Orange County Public Schools

6501 Magic Way, Building 200 · Orlando, Florida 32809 · (407) 317-3700 · www.ocps.net

CAPACITY RESERVATION FEE & MITIGATION FORM

A Concurrency Mitigation Agreement (CMA) or Capacity Encumbrance Letter (CEL) may require property owners and developers to pay a Capacity Reservation Fee (CRF) and/or Proportionate Share Mitigation at some point in the development process prior to issuance of a building permit. This form must be completed and returned to the Department of Facilities Planning at Orange County Public Schools (OCPS) along with a check for the estimated Capacity Reservation Fees, and/or Proportionate Share Mitigation. This form must be completed and returned to the Department of Facilities Planning at Orange County Public Schools. Any questions regarding this form should be directed to the following:

Contact: Christopher Mills, AICP
(407) 317-3700 x2022391
Christopher.Mills@ocps.net

SECTION 1: CMA/CEL INFORMATION	
	CMA \ CEL #:
	CMA \ CEL Title:
	Jurisdiction:
	Parcel ID(s):[1]
	General Location:
	Development Permit Type:[2]

SECTION 2: APPLICANT INFORMATION	
	Date:
	Applicant Name:
	Company:
	Address:
	Phone #:
	Email:

Revised 10/2021

SECTION 3: DEVELOPMENT PROFILE

Plat/Site Plan Title.[3]								
Project Name:								
Phase:								
Enter the # of units:								
Single Family					**Town-House**	**Multi-Family**	**Multi-Family High Rise**	**Total # of Units**
< 2,000	2,000 – 2,499	2,500 – 2,999	3,000 – 3,999	> = 4,000				
Local Governmental Approval date of Plat/Site Plan:								

SECTION 4: PAYMENT SUMMARY

Capacity Reservation Fee Amount (payable to the applicable local government)

Installment: ☐ 1st ☐ 2nd ☐ 3rd ☐ Remaining Balance **Installment Amount $**_____

A check made payable to the applicable local government must accompany this form. If the prepayment amount is correct and the form complete and sufficient, a Letter of Authorization will be prepared by OCPS to inform the Applicable Local Government to create a credit account. OCPS will forward the Letter of Authorization to the Applicable Local Government and copy the Applicant.

1/1/2017 – 9/30/2021	Single Family $8,784/unit	Multi-Family $5,919/unit	Townhouse $6,930/unit

Effective 10/1/2021- 1/31/2022

Single Family < 2,000 sq. ft.	$8,806.00/unit	Single Family > = 4,000 sq. ft.	$9,184.00/unit
Single Family 2,000 – 2,499 sq. ft.	$9,148.00/unit	Townhouse	$7,398.00/unit
Single Family 2,500 – 2,999 sq. ft.	$9,438.00/unit	Multi-Family (Non High Rise)	$6,335.00/unit
Single Family 3,000 – 3,999 sq. ft.	$9,591.00/unit	Multi-Family (High Rise)	$307.00/unit[4]

Does this CMA / CEL require an additional contribution? Yes ☐ No ☐

Identify the section of the CMA / CEL that requires the mitigation payment?

Proportionate Share Mitigation Amount (payable to Orange County School Board) $_____

Applicant Checklist:	
☐	Capacity Reservation Fee check, payable to the applicable **Local Government**. (Deliver to OCPS)
☐	Proportionate Share Mitigation check, payable to the **Orange County Public Schools**. (Deliver to OCPS)
☐	11 X 17 copy of the site plan/plat associated with this request. (Attach to email)

_____ Signature of Applicant

_____ Print Name of Applicant

_____ Date

CAPACITY RESERVATION FEE & MITIGATION FORM

For OCPS Use Only:	
Reviewer :_____ Date Reviewed:_____	Received Stamp
☐	Application Sufficient
☐	Letter of Authorization Approved

Footnotes:

1. List all parcel identification numbers assigned to the parcels within the Preliminary Subdivision Plan (PSP), site plan, or plat boundaries that apply to this application. List parcel IDs in a separate attachment, if necessary.
2. Development permit type – state whether the credit will be applied to a plat, PSP, site plan, or other type of permit required by local government. Only one development permit type should apply. A separate Prepaid School Impact Fee Form must be completed for each development permit application.
3. State the title of the PSP, site plan or plat exactly as it appears on that document.
4. Multi-Family High Rise rate is effective June 22, 2021.

DOC # 20240649686
11/13/2024 14:26 PM Page 1 of 9
Rec Fee: $78.00
Deed Doc Tax: $0.00
Mortgage Doc Tax: $0.00
Intangible Tax: $0.00
Phil Diamond, Comptroller
Orange County, FL
Ret To: CSC INC

After recording return to:

Christopher C. Mills, AICP
Orange County Public Schools
6501 Magic Way, Building 200
Orlando, Florida 32809

----------[SPACE ABOVE THIS LINE FOR RECORDING DATA]----------

SECOND AMENDMENT TO SCHOOL CONCURRENCY MITIGATION AGREEMENT APK-21-021-A2 THE RIDGE PD

PARCEL IDs#: 17-21-28-0000-00-006; 17-21-28-0000-00-007; 17-21-28-0000-00-017; 17-21-28-0000-00-018; 17-21-28-0000-00-023; 17-21-28-0000-00-030; 17-21-28-0000-00-031; 18-21-28-0000-00-013; 18-21-28-0000-00-014; 18-21-28-0000-00-103

THIS SECOND AMENDMENT TO SCHOOL CONCURRENCY MITIGATION AGREEMENT ("Second Amendment"), is entered into as of the Effective Date (as defined below) by **THE SCHOOL BOARD OF ORANGE COUNTY, FLORIDA** a body corporate and political subdivision of the State of Florida, ("School Board"); **CITY OF APOPKA**, a municipal corporation of the State of Florida, ("City"); and **APOPKA CENTERLINE DEVELOPMENT, LLC**, a Florida limited liability company, whose address is 15481 SW 12th Street, Suite 309, Sunrise, FL 33326; **DRP FL 5, LLC**, a Delaware limited liability company ("DRP") licensed to do business in Florida, whose address is c/o DW Partners, LP, 590 Madison Avenue, 13th Floor, New York, NY 10022; and **AG EHC II (LEN) MULTI STATE 1, LLC**, a Delaware limited liability company ("AG") licensed to do business in Florida, whose address is c/o Essential Housing Asset Management, LLC, 8585 E. Hartford Drive, Suite 118, Scottsdale, AZ 85255 (collectively, the "Applicants"). The School Board, the City and the Applicants are collectively referred to herein as the "Parties."

RECITALS:

WHEREAS, the School Board and Applicants entered into that certain School Concurrency Mitigation Agreement (APK-21-021) dated effective on September 13, 2022, and recorded on October 7, 2022, as Document #20220608957, as amended by that certain First Amendment to School Concurrency Mitigation Agreement (APK-21-021-A1) dated effective March 23, 2023, and recorded on April 6, 2023, as Document #20230193113, all in the Public Records of Orange County, Florida (collectively, the "Agreement"); and

WHEREAS, the First Amendment resulted in an extension of the above referenced agreement by 6 months and 60 days; and

WHEREAS, Governor DeSantis declared a State of Emergency on November 7, 2022, under Executive Order No. 22-253, declaring a State of Emergency due to the threat posed by

Subtropical Storm Nicole (referred to as the "Nicole EO"). On August 29, 2023, Governor DeSantis declared a State of Emergency due to Hurricane Idalia under Executive Order number 23-175 (referred to as the "Idalia EO"; the Nicole EO and the Idalia EO are sometimes hereinafter collectively referred to as the "Executive Orders"): and

WHEREAS, Section 252.363(1)(a), Florida Statutes, provides that in the event the Governor declares a state of emergency, the declaration tolls the period remaining under a permit or development order for the duration of the declaration and extends the permit or development order for an additional six-month period; and

WHEREAS, Senate Bill 250 amended Section 252.363(1)(a) to allow for an extension of twenty-four months, instead of six months, plus the length of time the state of emergency for a natural disaster is in effect, not to exceed forty-one (41) months and 305 days in total in the event of multiple natural emergencies; and

WHEREAS, the Executive Orders result in an extension of the above-referenced Agreement by a total of forty-one (41) months and 305 days; and

WHEREAS, the Parties desire to amend and modify the terms of the Agreement in accordance with the terms and conditions set forth herein and Section 16 of the Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. Recitals; Definitions. The foregoing recitals are true and correct and are incorporated herein by reference. Capitalized terms not otherwise defined herein shall have the meaning set forth in the Agreement.

2. Capacity Reservation Fee. The Parties agree and acknowledge that the payment schedule for the 2nd Installment of the School Capacity Reservation Fee, and each subsequent installment, as set forth in Section 9 of the Agreement, shall be extended for an additional forty-one (41) months and 305 days.

3. Recording of this Second Amendment. The School Board agrees to record this Second Amendment, at Applicants' expense, in the Public Records of Orange County, Florida.

4. Effective Date. The effective date of this Second Amendment shall be the date when the last one of the Parties has properly executed this Second Amendment as determined by the date set forth immediately below their respective signatures (the "Effective Date").

[SIGNATURE PAGES TO FOLLOW]

"SCHOOL BOARD"

THE SCHOOL BOARD OF ORANGE COUNTY, FLORIDA, a body corporate and political subdivision of the State of Florida

Signed and sealed in the presence of:

Print Name: Rebeca Helvander

Print Name: Nancy L. Conover

Attest: Maria F. Vazquez
Maria F. Vazquez, Ed.D., as its Secretary and Superintendent

Dated: Nov 11, 2024

STATE OF FLORIDA)
) s.s.:
COUNTY OF ORANGE)

The foregoing instrument was acknowledged before me by means of [x] physical presence or [ ] online notarization, this 11 day of November, 2024, by Maria F. Vazquez as Secretary and Superintendent of The School Board of Orange County, Florida, a body corporate and political subdivision of the State of Florida, on behalf of The School Board, who is personally known to me or has produced _____ (type of identification) as identification.

AFFIX NOTARY STAMP

CYNTHIA GOMEZ NOTARY PUBLIC MY COMMISSION EXPIRES 8-7-2028 STATE OF FLORIDA COMMISSION NUMBER HH 579634

NOTARY PUBLIC OF FLORIDA
Print Name: Cynthia Gomez
Commission No.: HH 579634
Expires: 8/7/2028

Reviewed and approved by Orange County Public School's Chief Facilities Officer

Rory A. Salimbene
Chief Facilities Officer

Date: 10/31, 2024

Approved as to form and legality by legal counsel to The School Board of Orange County, Florida, exclusively for its use and reliance.

Jad Brower, Esq.
Staff Attorney III, Planning & Real Estate

Date: 10/30, 2024

"APPLICANTS"

Signed and sealed in the presence of:

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

Print Name: ERNESTO MITSUMARU

By: _____

Print Name: Craig Perry

Print Name: Jose R. Mitsumaru

Title: Manager

Date: 8/22/2024

STATE OF FLORIDA)
) s.s.:
COUNTY OF ORANGE)

The foregoing instrument was acknowledged before me by means of [✓] physical presence or [ ] online this 22 day of August, 2024, by Craig Perry as Manager of **APOPKA CENTERLINE DEVELOPMENT, LLC**, on behalf of the organization. He/she is personally known to me or has produced _____ (type of identification) as identification.

Notary Public State of Florida
Katherine Asencio Gomez
My Commission
HH 280738
Exp. 6/26/2026

AFFIX NOTARY STAMP

NOTARY PUBLIC OF FLORIDA
Print Name: Katherine Asencio Gomez
Commission No.: HH 280738
Expires: 6/26/2026

"APPLICANTS"

Signed and sealed in the presence of:

Signature of Witness

Jeunette Lakavage
Print Name

Signature of Witness

Jeff Benson
Print Name

AG EHC II (LEN) MULTI STATE 1, LLC,
a Delaware limited liability company

By: Essential Housing Asset Management, LLC, an Arizona limited liability company, its Authorized Agent

By: Wendy Stoeckel
Wendy Stoeckel, Authorized Representative

Date: 8/23/24

STATE OF ARIZONA)
) s.s.:
COUNTY OF MARICOPA)

The foregoing instrument was acknowledged before me by means of [ ] physical presence or [ ] online this 23 day of August, 2024, by Wendy Stoeckel as Authorized Representative of Essential Hosuing Asset Management, LLC, Authorized Agent of **AG EHC II (LEN) MULTI STATE 1, LLC**, a Delaware limited liability company, for and on behalf of the organization. He/she is personally known to me or has produced _____ (type of identification) as identification.

Jaime Marie Adams
Notary Public
Maricopa County, Arizona
My Comm. Expires 07-01-25
Commission No. 607030

AFFIX NOTARY STAMP

NOTARY PUBLIC OF ARIZONA

Print Name: Jaime Marie Adams

Commission No.: 607030

Expires: 07/01/2025

"APPLICANTS"

Signed and sealed in the presence of:

Josephine Cimino
Signature of Witness

Josephine Cimino
Print Name

Address: 590 Madison Ave 13th Fl
New York, NY 10022

Signature of Witness

John D. Madkin
Print Name

Address: 590 Madison Ave 13th Fl
New York, NY 10022

DRP FL 5, LLC, a Delaware limited liability company

By: DW General Partner, LLC, a Delaware limited liability company, its Authorized Signatory

By: Houdin Honarvar
Houdin Honarvar, its Authorized Signatory

Date: September 18, 2024

STATE OF NEW YORK)
) s.s.:
COUNTY OF NEW YORK)

The foregoing instrument was acknowledged before me by means of [X] physical presence or [ ] online this 18th day of September, 2024, by Houdin Honarvar as Authorized Signatory of **DRP FL 5, LLC**, a Delaware limited liability company, for and on behalf of the organization. He/she is personally known to me or has produced _____ (type of identification) as identification.

JOSEPHINE G CIMINO
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01CI0026551
Qualified in Nassau County
My Commission Expires 7-5-2028

Josephine G. Cimino
NOTARY PUBLIC OF NEW YORK

Print Name: Josephine G Cimino

Commission No.: 01CI0026551

Expires: 7-5-2028

AFFIX NOTARY STAMP

"CITY"

CITY OF APOPKA, FLORIDA, a municipal corporation of the State of Florida

By: Bryan Nelson
Bryan Nelson, Mayor, City of Apopka

Date: 9-23-24

ATTEST:

By: Lisa M Bone
City Clerk

Date: 09-23-24

{Corporate Seal}

JOINDER OF TOLL SOUTHEAST LP COMPANY, INC.

Toll Southeast LP Company, Inc., who has entered into an option agreement to purchase lots within the DRP Property, hereby joins in the execution of this Second Amendment for the express purposes of: (i) agreeing to be bound by the provision of the Agreement, as amended by the Second Amendment, with respect to the payment of the portion of the Proportionate Share payment and Capacity Reservation Fees allocated to the DRP Property; and (ii) acknowledging its status and rights as a third-party beneficiary of the Agreement, as amended by this Second Amendment.

Signed and sealed in the presence of:

Signature of Witness

Johanna Bass

Print Name

Address: 2966 Commerce Park Dr
Orlando FL 32819

Signature of Witness

Glenda Toro

Print Name

Address: 2966 Commerce Park Drive
Orlando FL 32819

TOLL SOUTHEAST LP COMPANY, INC., a Delaware corporation

By:

Print Name: MARK McINTOSH

Title: VP. LAND Development

Date: 9/18/24

STATE OF FLORIDA)
) s.s.:
COUNTY OF ORANGE)

The foregoing instrument was acknowledged before me by means of [ ] physical presence or [ ] online notarization, this 18 day of September, 2024, by Mark McIntosh as Vice President of Toll Southeast Company, Inc., a Delaware corporation, for and on behalf of the corporation. He/she is personally known to me or has produced _____ (type of identification) as identification.

JOHANNA BASS
MY COMMISSION # HH 513640
EXPIRES: April 9, 2028

AFFIX NOTARY STAMP

NOTARY PUBLIC OF FLORIDA
Print Name: Johanna Bass
Commission No.: HH 513640
Expires: 4/9/28

JOINDER OF LENNAR HOMES, LLC

Lennar Homes, LLC, who has entered into an option agreement to purchase lots within the AG Property, hereby joins in the execution of this Second Amendment for the express purposes of: (i) agreeing to be bound by the provision of this Agreement, as amended by this Second Amendment, with respect to the payment of the portion of the Proportionate Share payment and Capacity Reservation Fees allocated to the AG Property; and (ii) acknowledging its status and rights as a third-party beneficiary of the Agreement, as amended by this Second Amendment.

Signed, sealed and delivered in the presence of:

Linda Chambers
Signature of Witness

LINDA CHAMBERS
Print Name 6675 Westwood Blvd. Orlando, FL 32821

Brent Kewley
Signature of Witness

Brent Kewley
Print Name 6675 Westwood Blvd. Orlando, FL 32821

LENNAR HOMES, LLC, a Florida limited liability company

By: _____

Print Name: MARK MCDONALD

Title: VICE PRESIDENT

Date: 8/29/24

STATE OF FLORIDA)
) ss.
COUNTY OF ORANGE)

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 29 day of August, 2024, by Mark McDonald the Vice President of LENNAR HOMES, LLC, a Florida limited liability company, for and on behalf of the organization. He/she is personally known to me or has produced _____ (type of identification) as identification.

AFFIX NOTARY STAMP

LINDA E. CHAMBERS
MY COMMISSION # HH 431760
EXPIRES: September 4, 2027

Linda E. Chambers
NOTARY PUBLIC OF FLORIDA
Print Name: LINDA E. CHAMBERS
Commission No.: 431760
Expires: 9-4-27

Prepared by and Return to:
Thomas R. Sullivan, Esq.
Gray Robinson, P.A.
301 East Pine Street, Suite 1400
Orlando, FL 32801

DOC# 20220608956
10/07/2022 08:07:04 AM Page 1 of 15
Rec Fee: $129.00
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

SECOND AMENDMENT TO PLANNED DEVELOPMENT AGREEMENT (THE RIDGE)

This **Second Amendment Planned Development Agreement** (the **"Second Amendment"**) is made and entered into this 21st day of July, 2022 (the "**Effective Date**") by and among **City of Apopka**, a Florida municipal corporation, whose mailing address is 120 East Main Street, Apopka, Florida 32703 (hereinafter referred to as **"City"**), and Apopka Development Opportunity, LLC, a Delaware limited liability company whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**ADO**"), Apopka Centerline Development, LLC, a Florida limited liability company, whose mailing address is 15481 SW 12th Street, Suite 309, Sunrise, Florida 33326 ("**Apopka Centerline**") ("ADO and Apopka Centerline are hereinafter collectively referred to as "**Centerline**"), AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company, whose mailing address is 245 Park Ave., 26th Floor, New York, NY 10167 ("**Lennar**"), DRP FL 5, LLC, a Delaware limited liability company whose address is 251 Little Falls Drive, Wilmington, DE 19808 ("**DRP**"), and Ridge 429 Owner, LLC, a Delaware limited liability company whose mailing address is 3411 Silverside Road Tatnall Building #104 Wilmington, DE 19810 ("**429**") (Centerline, Lennar, DRP and 429 are collectively hereinafter referred to as "**Developer**").

RECITALS

WHEREAS, City, Apopka Development Opportunity, LLC, Apopka Centerline Development, LLC, Ruth Ina Bronson Trust and Troy S. Bronson Trust, Troy S. Bronson Family, LP, Binion Partners, LLC, and John and Donna Kirkland Developer entered into that certain Planned Development Agreement (The Ridge) recorded among the Public Records of Orange City, Florida on August 31, 2021 as Pages 1-20 of Document Number #20210532976, as amended by that certain First Amendment to Planned Development Agreement (The Ridge) recorded among the Public Records of Orange County, Florida on December 9, 2021 as Document#20210532976 (hereinafter collectively, the " Executed **Agreement**");

WHEREAS, Lennar, DRP and 429 are successor owners of property in The Ridge (as defined in the Agreement);

WHEREAS, City and Developer entered into that certain First Amendment to Planned Development Agreement (The Ridge) recorded among the Public Records of Orange County, Florida on August 31, 2021 as Document Number #20210751331 (the "**First Amendment**");

WHEREAS, the Executed Agreement and the First Amendment and hereinafter collectively referred to herein as the "Agreement"; and

WHEREAS, City and Developer desire to amend the Agreement to address certain utility infrastructure matters as well as certain zoning district standards for The Ridge according to the terms, covenants and conditions as more particularly set forth herein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties, City and Developer agree to amend the Agreement as follows:

1. **Recitals**. The recitals set forth above are true and correct and are incorporated as if fully set forth herein.

2. **Definitions**. Capitalized terms not otherwise defined herein shall have the meanings ascribed to such terms in the Agreement.

3. **The Ridge. Exhibit "A"** of the Agreement (the legal description of "**The Ridge**") is hereby superseded and replaced with the legal description set forth on "**Exhibit "A"** attached hereto and incorporated herein by this reference.

4. **Utility Service; Connection Points and Oversizing.** Section 10 of the Agreement is hereby superseded and replaced as follows:

Utility Service; Connection Points and Oversizing. The City shall provide water, sewer and reclaimed water service for The Ridge for all phases of the Project through buildout. In connection with the PD, the City has reviewed the master utility plan provided by the Developer and Developer agrees to connect to the existing City system at the connection points set forth on the PD. The route(s) of any off-site lines shall be consistent with engineering plans produced by Developer and approved the City. The Developer shall construct the facilities, lines and appurtenances necessary to serve the Project and provide such documentation necessary for the City to determine that the lines shall meet the minimum line size requirements as specified in the City's Land Development Code. Developer shall provide the City such easements or right of way in form reasonably acceptable to the City Attorney, as the City deems necessary for the installation and maintenance of utility services located on The Ridge, including but not limited to sewer, water, and reclaimed water services. No building permits shall be issued for the Project by the City until water, sewer and reclaimed water are provided to an individual phase of the Project requiring such service, or until a bond or letter of credit is in place to guarantee the completion of off-site improvements. Developer shall be responsible for all costs of onsite and offsite improvements, including but not limited to the design, material, permitting and installation of sufficient size lines, lift stations and other appurtenances necessary to allow the City to serve the Project. Following a bid process, Developer has selected Junior Davis to perform

such improvements. Notwithstanding the foregoing or any City Code provisions to the contrary, with respect to the sewer force main connection at the intersection of Marden Road and State Road 414 (the "**Force Main Connection**"), the City has requested that Centerline (i) oversize the force main from the eight (8) inch force main needed to serve the Project to a twenty (24) inch force main from the intersection of Boy Scout Road to the Force Main Connection for an approximate distance of 4,600 linear feet, (ii) oversize the force main along Boy Scout Road from the eight (8) inch force main needed to serve the Project to a twenty (24) inch force main along Boy Scout Road from the intersection of Boy Scout Road and Ocoee-Apopka Road an approximate distance of 1,000 linear feet to the Project's master lift station, and (iii) oversize the Project's master duplex lift station needed to serve the Project and located just east of the intersection of Boy Scout Road and Galway Boulevard to a master triplex lift station which shall be oversized to accommodate a future third pump for future installation by the City at the City's sole cost and expense (collectively, the "**Force Main Oversizing**"). The City agrees to provide sewer impact fee credits to Centerline for the actual out-of-pocket cost difference in construction and labor costs for such Force Main Oversizing. Such credits shall be issued within thirty (30) days of Centerline completing the Force Main Oversizing work and may be freely used or assigned by Developer within the limits of the Corridor Study (as defined in the Transportation Agreement). Additionally, the City has requested that Centerline oversize the water main from the ten (10) and twelve (12) inch water main needed to serve the Project to a sixteen (16) inch water main along Boy Scout Road, as depicted on the aforementioned master utility plan, for an approximate distance of 3,500 linear feet (the "**Water Main Oversizing**"). The City agrees to provide water impact fee credits to Centerline for the actual out-of-pocket cost difference in construction and labor costs for such Water Main Oversizing. Such credits shall be issued within thirty (30) days of Centerline completing the Water Main Oversizing work and may be freely used or assigned by Centerline within the limits of the Corridor Study (as defined in the Transportation Agreement).

5. **Ridge Permitted Uses. Exhibit "C"** of the Agreement (the "**Permitted Uses**") is hereby superseded and replaced with the Permitted Uses set forth on "**Exhibit "B"** attached hereto and incorporated herein by this reference.

6. **Ratification**. The Agreement remains in full force and effect except as expressly modified by this Second Amendment and is ratified and confirmed. If there is a conflict between the terms of the Agreement and this Second Amendment, the terms of this Second Amendment shall control.

7. **Multiple Counterparts; Electronic Signatures**. This Second Amendment may be executed in multiple counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same agreement. The counterparts of this Second Amendment may be executed by electronic signatures and may be delivered electronically by any party to any other party and the receiving party may rely on the receipt of such document so executed and delivered by electronic means as if the original had been received.

Signatures appear on the following page(s).

IN WITNESS WHEREOF, the parties hereto have executed this Second Amendment as of the date first above written.

Witnesses:

Printed Name: ERNESTO MITSUMAJU

Printed Name: FABIANA IPARRAGUIRE

APOPKA DEVELOPMENT OPPORTUNITY, LLC, a Delaware limited liability company

By:
Name: CRAIG PERRY
Title: MANAGER

STATE OF FLORIDA
CITY OF Broward

The foregoing instrument was acknowledged before me this 25 day of August 2022, by Craig Perry, as Manager of Apopka Development Opportunity, LLC, a Delaware limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Notary Public
State of Florida at Large

My Commission Expires:

Notary Public State of Florida
Katherine Asencio Gomez
My Commission
HH 280738
Exp. 6/26/2026

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

Witnesses:

Printed Name: ERNESTO MITSUMASU

Printed Name: TATIANA IPARRAGUIRRE

APOPKA CENTERLINE DEVELOPMENT, LLC, a Florida limited liability company

By:
Name: Craig Perry
Title: MANAGER

STATE OF FLORIDA
CITY OF Broward

The foregoing instrument was acknowledged before me this 25 day of August 2022, by Craig Perry, as Manager of Apopka Centerline Development, LLC, a Florida limited liability company, who is known to me ✓ or who produced _____ as identification on behalf of the company.

Notary Public
State of Florida at Large

My Commission Expires:

Notary Public State of Florida
Katherine Asencio Gomez
My Commission
HH 280738
Exp. 6/26/2026

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

#47181145 v5

DRP

Signed, sealed and delivered in the presence of

DRP FL 5, LLC., a Delaware limited liability company

By: DW General Partner, LLC, a Delaware limited liability company, its manager

Erin Clauson
Printed Name: Erin Clauson

Paul Goetz
Printed Name: Paul Goetz

By: [signature]
Name: BRIAN CLAUSON
Title: AUTHORIZED SIGNATORY

STATE OF Minnesota
~~CITY~~ OF Dakota
County

The foregoing instrument was acknowledged before me by means of X physical presence or — online notarization, this 10 day of August, 2022, by Brian Clauson, as Authorized Signatory of DW General Partners, LLC, a Delaware limited liability company, the Manager of DRP FL 5, LLC, a Delaware limited liability company, on behalf of the company. (He)/She X is personally known to me or — has produced — as identification.

JANEEN A CLAUSON
NOTARIAL STAMP]
Notary Public
Minnesota
My Commission Expires
Jan 31, 2027

Notary: Janeen A. Clauson
Print Name: Janeen A. Clauson
Notary Public, State of ~~Florida~~ Minnesota
My Commission Expires: Jan 31, 2027

SIGNATURES CONTINUED ON FOLLOWING PAGE]

429:

Signed, sealed and delivered in the presence of

Sean Carpenter
Signature of Witness
Print Name:

Michael Sabat
Signature of Witness
Print Name:

RIDGE 429 OWNER, LLC, a Delaware limited liability company

By: _____
Name: Steven E. McCraney
Title: Manager

STATE OF FLORIDA
CITY OF ORLANDO

The foregoing instrument was acknowledged before me by means of ✓ physical presence or ___ online notarization, this 15th day of August, 2022, by Steven E. McCraney, as Manager of Ridge 429 Owner, LLC, a Delaware limited liability company, on behalf of the entity. He (a) ✓ is personally known to me or (b) ___ has produced _____ as identification.

[NOTARIAL STAMP]

LINDSEY BERGAMO
Notary Public-State of Florida
Commission # GG 295318
My Commission Expires
February 19, 2023

Notary: _____
Print Name: Lindsey Bergamo
Notary Public, State of Florida
My Commission Expires: 02.19.23

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

LENNAR:

Signed, sealed and delivered in the presence of

AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company

Signature of Witness
Print Name: Jeanette Lakavage

Signature of Witness
Print Name: Wendy Stoeckel

By: _____
Name: Steven S. Benson
Title: Manager of Essential Housing Asset Management, LLC, an Arizona limited liability company, the Authorized Agent of AG EHC II (LEN) Multi State 1, LLC

STATE OF ARIZONA
CITY OF SCOTTSDALE

The foregoing instrument was acknowledged before me by means of ✓ physical presence or ___ online notarization, this 23 day of August, 2022, by Steven S. Benson, as Authorized Agent of AG EHC II (LEN) Multi State 1, LLC, a Delaware limited liability company, on behalf of the entity. He (a) ___ is personally known to me or (b) ___ has produced _____ as identification.

[NOTARIAL STAMP]

Jaime Marie Adams
Notary Public
Maricopa County, Arizona
My Comm. Expires 07-01-2025
Commission No. 607030

Notary: _____
Print Name: Jaime Marie Adams
Notary Public, State of Arizona
My Commission Expires: 07/01/2025

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

CITY OF APOPKA

By: _____
Bryan Nelson, Mayor

ATTEST: _____
Susan Bone, City Clerk

Approved as to Form:

_____
Michael A. Rodriguez, City Attorney

STATE OF FLORIDA
~~CITY~~ OF ORANGE
COUNTY

The foregoing instrument was acknowledged before me this 27th day of July, 2022, by Bryan Nelson, who is known to me __ or produced ___ as identification as _____ of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida.

_____
Notary Public
State of Florida at Large

My Commission Expires: January 3, 2026

VICTORIA D. PARKS
Commission # HH 212444
Expires January 3, 2026

Exhibit "A"

LEGAL DESCRIPTION:

FILE NUMBER: L190357

Beginning at the intersection of the South line of the right of way of Boy Scout Road with a line 42.50 feet East of the East line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89 degrees 43 minutes 32 seconds West, along said South right of way line, for a distance of 294,30 feet; thence run South 00 degrees 22 minutes 4 8 seconds West, parallel with the East line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83 degrees 13 minutes 27 seconds East for a distance of 296.12 feet; thence run North 00 degrees 22 minutes 48 seconds East parallel with the East line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the POB.

FILE NUMBER: L190356

A portion of Section 17, Township 21 South, Range 28 East, Orange Country, Florida more particularly described as follows:

Commence at the South Quarter corner of said Section 17; thence N 07 degrees 19' 56" E to a point on the Westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the East of the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00', a delta of 11 degrees 35' 09", along a cord bearing of N26 degrees 13' 56" E, an arc distance of 191.70'; thence leaving said right of way run N75 degrees 44' 09" W, 278.00'; thence S57 degrees 12' 05" W, 100.86'; thence S10 degrees 59' 06" W, 134.01'; thence S79 degrees 38' 16" E, 300.05 to the Point of Beginning.

FILE NUMBER: L190473/ak

The South one-half (S 1/2) of the East one-half (E 1/2) of the Southwest one-quarter (SW 1/4) of the Northwest one-quarter (NW 1/4), (LESS the East twenty-five feet (E 25') of the South three hundred and forty feet (S 340')) of Section 17, Township 21 South, Range 28 East, Orange County, Florida, Less the South 30 feet thereof for Boy Scout Road.

Also less the land contained in Warranty Deed recorded in Official Records Book 1652, page 737, Public Records of Orange County, Florida, to wit:

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

FILE NUMBER: L190355

PARCEL 1

The East half of the Southeast quarter of the Southeast quarter of Section 18, Township 21 South, Range 28 East, in Orange County, Florida;

and

The Southwest quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, in Orange County, Florida;

and

The West 400 feet of: Begin 144 feet West of the Southeast corner of the Southwest quarter and run West to the Southwest corner of the Southeast quarter of the Southwest quarter of Section 17, Township 21 South, Range 28 East, thence run North 996.6 feet, South 75° East, a distance of 1,419 feet to a point 15 feet west of road, thence Southwesterly to the Point of Beginning, in Orange County, Florida.

PARCEL 2

The North one half (1/2) of the East one half (1/2) of the Southwest quarter (1/4) of the Northwest quarter (1/4) of Section 17, Township 21 South, Range 28 East, all in Orange County, Florida.

PARCEL 3A

The West 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, less the West 433 feet of the South 220 feet;

PARCEL 3B

Begin at the southwest corner of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; run North 0° 19' 30" West 668.54 feet; run thence East, North 87° 27' 40" East 15 feet; thence South 0° 19' 30" East 10 feet; thence West, South 87° 27' 40" West 3 feet; thence South 0° 19' 30" East to the south line of the South 1/2 of the East 1/2 of the Southwest 1/4 of the Northwest 1/4, Section 17, Township 21 South, Range 28 East; thence West to the Point of Beginning, less the South 30 feet in Boy Scout Road.

PARCEL 4

That part of the Southeast 1/4 of the Northwest 1/4, the Northeast 1/4 of the Southwest 1/4 and the West 1/2 of the Southeast 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying northwesterly of the northwesterly right of way line of Ocoee-Apopka Road, northeasterly of the northeasterly right of way of Boy Scout Road, and easterly of the east right of way line of Galway Blvd. (Tracts P and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 5

Beginning at the southeast corner of the East 1/2 of the Southwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East; run thence West 25 feet, thence North 340 feet, thence East 25 feet, thence South 340 feet to the Point of Beginning;

and

The Southeast 1/4 of the Northwest 1/4 and that part of the Northeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East lying northerly and northeasterly of the right of way of Boy Scout Road and lying northerly and westerly of the north and west right of way lines of Galway Blvd. (Tracts O and S) according to the plat of Breckenridge Phase 1 recorded in Plat Book 64, page 74, public records of Orange County, Florida.

PARCEL 6

That part of the West 1/2 of the Southeast 1/4, the North 1/2 of the Southwest 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, lying westerly of the westerly right of way line of Ocoee-Apopka Road, and southerly and southwesterly of the southern and southwestern right of way line of Boy Scout Road, less and except the following parcels A, B and C:

A. Beginning 144 feet west of the quarter section post on the south boundary of Section line, 15 feet west of center of public road, run west 17 chains and 82 links, North 15 chains and 10 links, thence South 75° 30' East 21 chains and 55 links to a point 15 feet west of center of public road, southerly along said road to beginning.

B. Beginning at the intersection of the south line of the right of way of Boy Scout Road with a line 42.50 feet east of the east line of the Northwest 1/4 of the Southwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, and run South 89° 43' 32" West, along said south right of way line, for a distance of 294.30 feet; thence run South 00° 22' 48" West, parallel with the east line of said Northwest 1/4 of the Southwest 1/4, for a distance of 722.00 feet; thence run South 83° 13' 27" East for a distance of 296.12 feet; thence run North 00° 22' 48" East parallel with the east line of said Northwest 1/4 of the Southwest 1/4 for a distance of 758.35 feet to the Point of Beginning.

C. A portion of Section 17, Township 21 South, Range 28 East, Orange County, Florida, more particularly described as follows:

Commence at the south quarter corner of said Section 17; thence North 07° 19' 56" East to a point on the westerly right of way of Ocoee Apopka Road, the arc of a curve concave to the east and the Point of Beginning; thence run along said right of way line and curve having a radius of 948.00 feet, a delta of 11° 35' 09", along a chord bearing of North 26° 13' 56" East, an arc distance of 191.70 feet; thence leaving said right of way run North 75° 44' 09" West, 278.00 feet; thence South 57° 12' 05" West, 100.86 feet; thence South 10° 59' 06" West, 134.01 feet; thence South 79° 38' 16" East, 300.05 feet to the Point of Beginning.

PARCEL 7

The Northeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, and beginning 110 yards north of the southwest corner of the Northwest 1/4 of the Southeast 1/4, run North 110 yards, East 440 yards to the 40 line, South 110 yards, West 440 yards to beginning, Section 18, Township 21 South, Range 28 East, Orange County, Florida; less and except that portion conveyed to the State of Florida for State Road 437 by the Quit Claim Deed recorded in Deed Book 770, page 209, and less that part vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9398 page 1729 of the public records of Orange County, Florida.

PARCEL 8

The South 1/2 of the North 1/2 of the Southwest 1/4 of the Southeast 1/4 and the West 1/2 of the Southeast 1/4 of the Southeast 1/4 of Section 18, Township 21 South, Range 28 East, Orange County, Florida, less and except that portion conveyed to the State of Florida by the Quit Claim Deed recorded in Deed Book 769, page 164 and less and except those portions vested in the Orlando/Orange County Expressway Authority by the Stipulated Order of Taking recorded in Official Records Book 9046, page 4349 and Official Records Book 9893, page 1729 of the public records of Orange County, Florida.

PARCEL 9

The North 1/2 of the Northwest 1/4 of the Southeast 1/4 of Section 18, Township 21 south, Range 28 East, Orange County, Florida, less and except the North 33 feet thereof for road right of way and less road right of way on west.

SHIRLEY PARCEL

The Northwest 1/4 of the Northwest 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida.

Together with an Easement for ingress and egress over the East 30 feet of the following described property:

The West 1/2 of the SW 1/4 of the NW 1/4 of Section 17, Township 21 South, Range 28 East, Orange County, Florida, Less the West 433 feet of the South 220 feet, also subject to road right-of-way on South 30 feet.

TRIANGLE PARCEL

THAT PORTION OF THE NORTH 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA LYING EAST OF THE EAST RIGHT-OF-WAY LINE OF BINION ROAD, FORMERLY KNOWN AS STATE ROAD 437, LESS AND EXCEPT THAT PORTION VESTED IN THE ORLANDO/ORANGE EXPRESSWAY AUTHORITY BY THE STIPULATED ORDER OF TAKING RECORDED IN OFFICIAL RECORDS BOOK 9046, PAGE 4374 AND OFFICIAL RECORDS BOOK 9398, PAGE 1753 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

FURTHER DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTH QUARTER CORNER OF SAID SECTION 18 FOR A POINT OF REFERENCE; THENCE RUN NORTH 01°08'24" EAST, ALONG THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 18, A DISTANCE OF 996.68 FEET TO THE NORTH LINE OF THE SOUTH HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 18; THENCE RUN NORTH 89°57'09" EAST, ALONG SAID NORTH LINE, 14.41 FEET TO THE EAST RIGHT-OF-WAY LINE OF BINION ROAD, ACCORDING TO DEED BOOK 769, PAGE 164 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA AND THE POINT OF BEGINNING; THENCE RUN NORTH 00°14'15" EAST, ALONG SAID EAST RIGHT-OF-WAY LINE, 229.79 FEET TO THE INTERSECTION OF SAID EAST RIGHT-OF-WAY LINE WITH THE WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE OF STATE ROAD 429, ACCORDING TO OFFICIAL RECORDS BOOK 9046, PAGE 4349, OFFICIAL RECORDS BOOK 9398, PAGE 1729 AND DEED BOOK 770, PAGE 209 OF SAID PUBLIC RECORDS; THENCE RUN SOUTH 46°26'33" EAST, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 218.04 FEET; THENCE RUN SOUTH 43°22'33" EAST, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 109.16 FEET TO A POINT ON SAID NORTH LINE OF THE SOUTH HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 18; THENCE RUN SOUTH 89°57'09" WEST, ALONG SAID NORTH LINE, 233.93 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED TRACT OF LAND LIES IN ORANGE COUNTY, FLORIDA AND CONTAINS 0.63 ACRES MORE OR LESS.

STRIP PARCEL:

A STRIP OF LAND LYING IN SECTION 18, TOWNSHIP 21 SOUTH, RANGE 28 EAST, BOUNDED ON THE NORTH BY THE SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD, ACCORDING TO OFFICIAL RECORDS BOOK 1076, PAGE 548, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BOUNDED ON THE EAST BY THE WEST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 18 AND BOUNDED ON THE WEST BY THE EAST RIGHT-OF-WAY LINE OF BINION ROAD,

ACCORDING TO DEED BOOK 769, PAGE 164 OF SAID PUBLIC RECORDS, DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 18 FOR A POINT OF REFERENCE; THENCE RUN SOUTH 01°08'24" WEST, ALONG SAID WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 18, A DISTANCE OF 33.01 FEET TO SAID SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD AND THE POINT OF BEGINNING; THENCE RUN SOUTH 01°08'24" WEST, ALONG SAID WEST LINE, 713.76 FEET TO THE INTERSECTION OF SAID WEST LINE WITH SAID EAST RIGHT-OF-WAY LINE OF BINION ROAD; THENCE RUN NORTH 00°14'15" EAST, ALONG SAID EAST RIGHT-OF-WAY LINE, 563.23 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE EASTERLY; THENCE RUN NORTHERLY ALONG SAID EAST RIGHT-OF-WAY LINE AND ALONG SAID CURVE HAVING A RADIUS OF 5689.65 FEET, A CENTRAL ANGLE OF 01°30'53", AN ARC LENGTH OF 150.42 FEET, A CHORD LENGTH OF 150.42 FEET AND A CHORD BEARING OF NORTH 00°59'41" EAST TO SAID SOUTH RIGHT-OF-WAY LINE OF BOY SCOUT ROAD; THENCE RUN SOUTH 89°58'43" EAST, ALONG SAID SOUTH RIGHT-OF-WAY LINE, 9.26 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED STRIP OF LAND LIES IN ORANGE COUNTY, FLORIDA AND CONTAINS 3,912 SQUARE FEET MORE OR LESS.

Containing: 407.86 acres, more or less

Exhibit "B"

Permitted Uses

Permitted uses shall be those listed as Permitted under the RSF-1A, RSF-1B, C-C, I-L and MU-ES-GT zoning districts in Table 4.2.2.C: Principal Use Table in the City of Apopka's Land Development Code. The following uses are permitted based on the specific location in the development as listed,

- Heavy equipment sales, rental, repair, servicing or storage permitted on Parcel 5 only and shall be enclosed and setback a minimum of 50 feet from the right-of-way line
- Machine shop – permitted on Parcel 5 only and shall be enclosed
- Automobile service station permitted on Parcel 1 and Parcel 3 must be setback from Ocoee Apopka Rd frontage; Parcel 6 and Parcel 7 setback from S. Binion Road
- Car wash – must be enclosed; permitted on Parcel 1, Parcel 3, Parcel 6 and Parcel 7
- Cell towers permitted on Parcel 7 only
- Consolidated storage (self-service storage) – permitted on Parcel 5; additional architectural building features required; must have office like facade
- Outdoor storage (as ancillary use) – permitted on Parcel 5; materials stored may not exceed 10 feet in height; 6-8 feet tall perimeter wall is required; Type D Landscape Buffer is required; located at least 50 feet from Spine Road
- Restaurant, fast-food – permitted on Parcel 1, Parcel 3 and Parcel 6 only; menu order board, drive-through and pick-up windows must not face any right-of-way; stacking must comply with requirements of Table 5.1.10.A.1.
- Solar energy collection facility – permitted on Parcel 5 only
- Cigar shop only on Parcel 3 and Parcel 6
- Building, heating/air conditioning, plumbing, or electrical contractor's storage yard materials stored may not exceed 10 feet in height; 6-8 feet tall screen wall is required; permitted on Parcel 5 only; must be screened and/or enclosed
- Park and ride facility – permitted on Parcel 1, Parcel 3, Parcel 6 and Parcel 7 only; vehicle charging stations must be included
- Vehicle or trailer storage (permitted on Parcel 5 only; no frontage along internal Spine Road must be located behind a 6-8 foot tall screen wall
- Flex office/warehouse use on Parcel 6; all loading areas shall not front Boy Scout Road and/or S. Binion Road; no automotive uses or car rental operations shall be permitted

Bronson Apopka Site
Apopka, Orange County, Florida

Phase I Environmental Site Assessment
(BTC File #1145-01)

November 7, 2019

Bio-Tech Consulting Inc.
Environmental and Permitting Services

info@bio-techconsulting.com
www.bio-techconsulting.com

November 7, 2019

Chip Bryan
Centerline Capital Advisors
15481 SW 12th Street – Suite 309
Sunrise, Florida 33326

Proj: Bronson Apopka Site – Apopka, Orange County, Florida
Parcel IDs #17-21-28-0000-00-015, #17-21-28-0000-00-030, #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #17-21-28-0000-00-028, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-008, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023, #17-21-28-0000-00-012, #17-21-28-0000-00-006 and #17-21-28-0000-00-010
(BTC File #1145-01)
Re: Phase I Environmental Site Assessment Report

Dear Mr. Bryan:

Per your request and authorization, Bio-Tech Consulting, Inc. (BTC) has completed a Phase I Environmental Site Assessment (ESA) of the above referenced site located in Apopka, Orange County, Florida. The work was performed in general accordance with the ASTM International's Standard Practice E 1527-13 for Phase I ESAs and was targeted toward identifying Recognized Environmental Conditions (RECs) in connection with the property. The attached report summarizes our research, findings, and conclusions regarding the subject property.

As stated in Section 7.0 (Findings, Opinions, Data Gaps and Conclusions) of the report, this assessment revealed no RECs, no Controlled Recognized Environmental Conditions (CRECs) and no Historical Recognized Environmental Conditions (HRECs) in connection with the subject property.

Orlando: Main Office
3025 East South Street
Orlando, FL 32803

Vero Beach Office
4445 N A1A
Suite 221
Vero Beach, FL 32963

Jacksonville Office
1157 Beach Boulevard
Jacksonville Beach, FL 32250

Tampa Office
6011 Benjamin Road
Suite 101 B
Tampa, FL 33634

Key West Office
1107 Key Plaza
Suite 259
Key West, FL 33040

Aquatic & Land
Management Operations
3825 Rouse Road
Orlando, FL 32817

407.894.5969
877.894.5969
407.894.5970 fax

We appreciate the opportunity to complete this assessment for you. Should you have any questions or require any additional information, please do not hesitate to contact our office at (407) 894-5969. Thank you.

Sincerely,

Joseph Galletti

Joseph Galletti
Vice President
INSTEP-LEP #123/NREP-REPA #5898

Attachment: Phase I ESA Report

Bronson Apopka Site
Apopka, Orange County, Florida
(BTC File #1145-01)

Phase I Environmental Site Assessment

Prepared for:

Centerline Capital Advisors
15481 SW 12th Street – Suite 309
Sunrise, Florida 33326

Prepared by:

Bio-Tech Consulting, Inc.
3025 East South Street
Orlando, Florida 32803
(407) 894-5969

November 7, 2019

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SECTION 1.0
SUMMARY

In October of 2019, Bio-Tech Consulting, Inc. (BTC) conducted a Phase I Environmental Site Assessment (ESA) of the 15 parcels, identified by Orange County as #17-21-28-0000-00-015, #17-21-28-0000-00-030, #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #17-21-28-0000-00-028, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-008, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023, #17-21-28-0000-00-012, #17-21-28-0000-00-006 and #17-21-28-0000-00-010, which comprise the approximately 372.5-acre Bronson Apopka Site. These parcels, current owners including Binion Partners, LLC, John and Donna Marie Robertson Kirkland, Troy S. Bronson Family LP, Ruth Ina Bronson Trust ½ Interest and Troy S Bronson Trust ½ Interest, the Emma G. Kazaros Trust and the Daryl M. Carter Trust, are located in the City of Apopka, at the physical addresses of 1920, 1901, 1879 and 1516 Boy Scout Road, 1209, 1251 and 1403 South Binion Road, 1400 and 1280 Ocoee-Apopka Road and 1900 Emery Road; within Sections 17 and 18, Township 21 South, Range 28 East, Orange County, Florida (Figure 1). At the time of the site investigation the subject property appeared as active agricultural lands in use for citrus and timber production, along with active rural, residential uses. The subject property consisted of four (4) plots of land separated by area rights-of-way (Boy Scout Road, Galway Boulevard and the Western Beltway). The lands consisted of a large, centrally located parcel, two (2) smaller parcels to the north and northeast, and a small parcel to the southwest. The majority of the site was in use for citrus production at the time of the assessment. Lands used for timber production were observed within the largest parcel (southern portion) and the northern parcel, along with a small area of pasturelands (southeast portion) and open/forested lands with no identifiable use (western, southwestern and southern portions). Wetlands/surface waters existed within the northwestern, northeastern, central and southern portions of the site. Two active (2) residential homesites were noted within the northern and eastern portions of the largest parcel. In addition, an abandoned homesite was observed within the southern portion of the largest parcel. The largest parcel also included a maintenance area at its eastern extent, and a barn and recreational area on its central and southern portions. Structures identified within the subject property included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stable, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures. Other improvements noted on the site at the time of the assessment included reclaimed water irrigation infrastructure, grove irrigation equipment, six (6) water wells (agricultural and residential use), three (3) septic systems, a dock, fencing, landscaping, electrical power line transmission poles and concrete, gravel and primitive trails/access roads.

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International's Standard Practice E 1527-13 for Phase I ESAs (hereafter referred to as ASTM E 1527-13). Any exceptions to, or deletions from, this practice are described in Section 2.8 of this report.

This assessment revealed no Recognized Environmental Conditions (RECs), no Controlled Recognized Environmental Conditions (CRECs) and no Historical Recognized Environmental Conditions (HRECs) in connection with the subject site or adjoining properties that would warrant further investigation at this time. While this is the case, the user of this assessment should be aware of the following non-REC items (Business Environmental Risks, defined in ASTM E1527-13) prior to completing a commercial real estate transaction involving the property:

- Historical Agricultural Use–Current and past use of the subject property for agricultural purposes for citrus crop production over multiple decades

Through the review of historical record sources, particularly aerials dating in the period 1947 through 2019, portions of the uplands associated with the site were planted in citrus. This current and past use is being noted due to the assumed ubiquitous use of controlled substances (pesticides, herbicides and fertilizers) commonly used in this type of operation, as well as the long time use of the lands for this purpose. It is important to note that the legal application (i.e., in accordance with manufacturer's specifications and customary practices) of such substances, in the course of standard operational practices does not constitute a "release to the environment" by definition. Structures were identified within the central portion of the site and wells/irrigation equipment were identified within the northern, central, southern and western portions the subject property through historic aerials and the on-site investigation that could represent potential agricultural chemical mixing/storage areas or areas where petroleum products may have been stored/handled. However, no reasonably ascertainable information was obtained during the course of our assessment, including historical records review, site reconnaissance observations, and regulatory record reviews, indicating that a past release had occurred on the site. Therefore, the mere presence of this current and historical land use does not meet the definition of a REC.

- Portion of subject property located within one of several Florida Department of Environmental Protection (FDEP) delineated Groundwater Contamination Area Zones in Orange County, based on a potential for ethylene dibromide (EDB) contamination

Based on the location of the subject property and a noted past use of the site for citrus production, BTC reviewed the FDEP's Groundwater Contamination Areas database to assess the potential for EDB to have affected the groundwater in the area. The reviewed information identified the subject property as being partially located (northeastern portion of the subject property) within one of several zones associated with a known area of DEDB groundwater contamination, an associated 1000-foot DEDB contamination setback area or a known historical DEDB application area where data is limited, pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting in Delineated Areas. This area EDB site is identified by the FDEP as Zone #48263145. Such locations are subject to restrictions against any additional development of groundwater wells for the purposes of providing potable water. No direct evidence was encountered during the course of this investigation that EDB impacts to groundwater have been identified within the site boundaries or on immediately adjoining properties, and therefore no

REC is identified. However, the user should be aware of the position of the site within an apparent EDB "setback area" area when considering property development activities.

SECTION 2.0
INTRODUCTION

2.1 Site Location and Legal Description

The 15 parcels, identified by Orange County as #17-21-28-0000-00-015, #17-21-28-0000-00-030, #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #17-21-28-0000-00-028, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-008, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023, #17-21-28-0000-00-012, #17-21-28-0000-00-006 and #17-21-28-0000-00-010, which comprise the approximately 372.5-acre Bronson Apopka Site, are located in the City of Apopka, at the physical addresses of 1920, 1901, 1879 and 1516 Boy Scout Road, 1209, 1251 and 1403 South Binion Road, 1400 and 1280 Ocoee-Apopka Road and 1900 Emery Road; within Sections 17 and 18, Township 21 South, Range 28 East, Orange County, Florida. The following are the legal descriptions for the parcels as provided by the Orange County Property Appraiser's Office:

Parcel ID #17-21-28-0000-00-015
1920 Boy Scout Road
Apopka, Florida 32703
Owner – John and Donna Marie Robertson Kirkland

(NOTE: HOMESTEAD PORTION OF THE FOLLOWING DESCRIBED PROPERTY) BEG AT INT OF S LINE OF R/W OF BOY SCOUT RD WITH A LINE 42.50 FT E OF E LINE OF NW1/4 OF SW1/4 RUN W 294.30 FT S 722 FT S 83 DEG E 296.12 FT N 758.35 FT TO POB IN SEC 17-21-28 SEE 5326/1555

Parcel ID #17-21-28-0000-00-030
Boy Scout Road
Apopka, Florida 32703
Owner – John and Donna Marie Robertson Kirkland

NOTE: AG PORTION OF THE FOLLOWING DESCRIBED PROPERTY) BEG AT INT OF S LINE OF R/W OF BOY SCOUT RD WITH A LINE 42.50 FT E OF E LINE OF NW1/4 OF SW1/4 RUN W 294.30 FT S 722 FT S 83 DEG E 296.12 FT N 758.35 FT TO POB IN SEC 17-21-28 SEE 5326/1555

Parcel ID #18-21-28-0000-00-014
1209 South Binion Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

N1/2 OF NW 1/4 OF SE 1/4 (LESS N 33 FT FOR R/W) & TH PORTION OF N 1/2 N1/2 OF GOV LOT 2 SEC 18-21-28 LYING E OF BINION RD A/K/A CR 437 (LESS N 330 FT) IN SEC 18-21-28

Parcel ID #18-21-28-0000-00-013
1251 South Binion Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

NE1/4 OF SE1/4 (LESS N 33 FT FOR RD) & BEG 330 FT N OF SW COR OF NW1/4 OF SE1/4 SEC RUN N 330 FT E 1320 FT S 330 FT W 1320 FT TO POB LESS R/W PER DB 770/209 IN SEC 18-21-28 (LESS SW COR TAKEN FOR R/W PER 9046/4349)

Parcel ID #17-21-28-0000-00-007
Ocoee Apopka Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

N1/2 OF SW1/4 LYING WLY OF BOY SCOUT RD & SE1/4 OF SW1/4 LYING WLY OF BOY SCOUT RD (LESS THAT PT LYING SOUTHEAST OF OCOEE-APOPKA RD CR437A) & THAT PT OF W1/2 OF SE1/4 LYING SWLY OF BOY SCOUT RD & NWLY OF OCOEE APOPKA RD ALL IN SEC 17-21-28 (LESS 24.70 AC DESC AS BEG 144 FT W OF 1/4 SEC POST ON S SEC LINE 15 FT W OF CTR OF R/W TH RUN W 17 CHS & 82 LKS (1176.12 FT) N 15 CHS & 10 LKS (996.60 FT) S 75 DEG E 21 CHS & 55 LKS (1386 FT) TO A PT 15 FT W OF CTR OF R/W TH SLY ALONG R/W TO POB & LESS BEG 42.50 FT E OF E LINE OF NW 1/4 OF SW1/4 ON S R/W BOY SCOUT RD TH RUN W 294.30 FT S 722 FT S 83 DEG E 296.12 FT N 758.35 FT TO POB) & (LESS PT OF SE1/4 & SW1/4 OF SEC 17-21-28 DESC AS COMM S1/4 COR OF SAID SEC 17-21-28 TH N07-19-56E TO A PT ON WLY R/W OF OCOEE APOPKA RD FOR POB TH RUN NELY ALONG SAID NLY R/W ALONG A CURVE CONCAVE SELY W/ RAD OF 948 FT & CHORD BEARING OF N26-13-56E THROUGH CENT ANG OF 11-35-09 FOR 191.70 FT TH N75-44-09W 278 FT S57-12-05W 100.86 FT S10-59-06W 134.01 FT S79-38-16E 300.05 FT TO POB)

Parcel ID #17-21-28-0000-00-028
1400 Ocoee Apopka Road
Apopka, Florida 32703
Owner – Ruth Ina Bronson Trust ½ Interest and Troy S Bronson Trust ½ Interest

PT OF SE1/4 & SW1/4 OF SEC 17-21-28 DESC AS COMM S1/4 COR OF SAID SEC 17-21-28 TH N07-19-56E TO A PT ON WLY R/W OF OCOEE APOPKA RD FOR POB TH RUN NELY ALONG SAID NLY R/W ALONG A CURVE CONCAVE SELY W/ RAD OF 948 FT & CHORD BEARING OF N26-13-56E THROUGH CENT ANG OF 11-35-09 FOR 191.70 FT TH N75-44-09W 278 FT S57-12-05W 100.86 FT S10-59-06W 134.01 FT S79-38-16E 300.05 FT TO POB

Parcel ID #18-21-28-0000-00-073
South Binion Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

COMM SW COR OF SE1/4 OF SEC 18-21-28 TH N01-08-13E 1661.23 FT N89-58-37E 3.79 FT E R/W LINE OF CR437 S00-13-55W 664.35 FOR POB TH N89-56-56E 233.89 FT S39-14-46E 184.80 FT S41-31-16E 150 FT S89-56-05W 510.20 FT TO A POINT ON A NON-TAN CURVE NELY 115.30 FT ALONG THE ARC OF A CURVE CONCAVE SWLY W/RAD 915.37 CENT ANG 07-13-10 TH N00-13-55E 217.14 TO POB

Parcel ID #18-21-28-0000-00-032
1403 South Binion Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

S1/2 OF N1/2 OF SW1/4 OF SE1/4 & W1/2 OF SE1/4 OF SE1/4 SEC 18-21-28 (LESS R/W ON W) (LESS SW COR OF W1/2 OF SE1/4 & W3/4 OF S1/2 OF N1/2 OF SW1/4 PER 9046/4374)

Parcel ID #17-21-28-0000-00-008
1900 Emery Drive
Apopka, Florida 32703
Owner – Binion Partners, LLC

SW1/4 OF SW1/4 & W 400 FT OF BEG 144 FT W OF SE COR OF SW1/4 OF SEC 17-21-28 RUN W TO SW COR OF SE1/4 OF SW1/4 OF SEC N 996.6 FT S 75 DEG E 1419 FT TO PT 15 FT W OF ROAD SWLY TO BEG & E1/2 OF SE1/4 OF SE1/4 OF SEC 18-21-28

Parcel ID #17-21-28-0000-00-017
1901 Boy Scout Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

W1/2 OF SW1/4 OF NW1/4 (LESS W 433 FT OF S 220 FT) & BEG SW COR OF S1/2 OF E1/2 OF SW1/4 OF NW1/4 RUN N 668.54 FT E 15 FT S 10 FT W 3 FT S TO PT E OF BEG W TO POB (LESS S 30 FT FOR RD) IN SEC 17-21-28

Parcel ID #17-21-28-0000-00-018
Boy Scout Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

N1/2 OF E1/2 OF SW1/4 OF NW1/4 OF SEC 17-21-28

Parcel ID #17-21-28-0000-00-023
Boy Scout Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

THE SE1/4 OF NW1/4 & THE E 25 FT OF S 340 FT OF SW1/4 OF NW1/4 (LESS RD R/W ON SOUTH) & (LESS THAT PART LYING WITHIN DESC IN OR 7337/4340 & LESS THAT PART LYING E OF SAID DESC) & THE NE1/4 OF SW1/4 LYING NELY OF BOY SCOUT RD & PORTION LYING NWLY OF FOLLOWING DESCRIBED LINE COMM SW COR OF NW 1/4 RUN N 89 DEG E 2530.84 FT TH RUN SELY ALONG CURVE CONCAVE NELY 135.77 FT S 28 DEG E 78.12 FT TH SELY & SWLY ALONG CURVE CONCAVE NW 149.23 FT S 61 DEG W 111.6 FT N 73 DEG W 34.6 FT TO TERMINATION ALL IN SEC 17-21-28

Parcel ID #17-21-28-0000-00-012
1516 Boy Scout Road
Apopka, Florida 32703
Owner – Troy S. Bronson Family LP

NE 1/4 OF SW1/4 LYING NELY OF BOY SCOUT RD & NW1/4 OF SE1/4 LYING NELY OF BOY SCOUT RD & NWLY OF OCOEE APOPKA RD LYING ELY & SELY OF FOLLOWING DESC C0MM SW COR OF NW 1/4 OF SEC 17-21-28 RUN N 89 DEG E ALONG S LINE OF NW 1/4 2530.84 FT TO POB TH RUN NELY ALONG CURVE CONCAVE ELY 54.21 FT N 30 DEG W 13.58 FT N 1 DEG E 88.67 FT N 17 DEG E 70.98 FT N 24 DEG E 163.85 FT TO POC RUN NELY ALONG CURVE CONCAVE SELY 157.91 FT S 00 DEG W 162.97 FT TO PT ON CURVE TH RUN SWLY ALONG CURVE CONCAVE TO SE 50.4 FT S 17 DEG W 149.75 FT TO POC TH RUN SLY

ALONG CURVE CONCAVE ELY 177.18 FT S 36 DEG E 153.53 FT SLY ALONG CURVE 94.19 FT S 19 DEG W 74.95 FT S 36 DEG W 90.6 FT S 61 DEG W 173.78 FT S 16 DEG W 30.94 FT TO PT ON THE NELY R/W LINE OF BOY SCOUT RD N 24 DEG W ALONG SAID R/W 141.31 FT S 73 DEG E 34.6 FT N 61 DEG E 111.6 FT TO POC TH RUN ALONG CURVE CONCAVE NWLY 114.05 FT N 65 DEG W 11.39 FT N 19 DEG W 16.4 FT N 15 DEG E 12.59 FT N 61 DEG E 2 FT N 28 DEG W 76.12 FT TO POC TH RUN NWLY & NELY ALONG CURVE CONCAVE ELY 135.77 FT TO POB

Parcel ID #17-21-28-0000-00-006
1879 Boy Scout Road
Apopka, Florida 32703
Owner – Emma G. Kazaros Trust

THE S1/2 OF E1/2 OF SW1/4 OF NW1/4 (LESS E 25 FT OF S 340 FT & LESS BEG AT SW COR OF SD PARCEL RUN N 668.54 FT E 15 FT S 10 FT W 3 FT S TO PT E OF BEG W TO POB) OF SEC 17-21-28

Parcel ID #17-21-28-0000-00-010
1280 Ocoee Apopka Road
Apopka, Florida 32703
Owner – Daryl M. Carter Trust

THAT PART OF NE1/4 OF SE1/4 LYING NLY OF OCOEE APOPKA RD & WLY OF BELTWAY IN SEC 17-21-28

2.2 Site and Vicinity General Characteristics

2.2.1 Current Uses of the Subject Site and Adjoining Properties

In general, the subject site is situated in a former agricultural use area, including rural homesites, which is currently in transition for larger scale residential development. Historically the area appears to have been comprised mostly of lands associated with agricultural use for citrus crop production, undeveloped naturally vegetated uplands and wetlands, and rural residential homesites from prior to 1947 through the 1970s. Subsequent to the 1970s, it appears that some lands dedicated to citrus crop production were converted for timber production and pastureland uses. Additional residential uses appeared in the area during this time as well. In the early 2000s, State Road 451 was constructed in the area to the east, followed by larger scale residential developments to the north and southeast. In the early 2010s, State Road 429 (Western Beltway) was constructed to the west and south, followed by commercial development to the east. At the time of the site investigation the subject property appeared as active agricultural lands in use for citrus and timber production, along with active rural, residential uses. The subject property consisted of four (4) plots of land separated by area rights-of-way

(Boy Scout Road, Galway Boulevard and the Western Beltway). The lands consisted of a large, centrally located parcel, two (2) smaller parcels to the north and northeast and a small parcel to the southwest. The majority of the site was in use for citrus production at the time of the assessment. Lands used for timber production were observed within largest parcel (southern portion) and the northern parcel, along with a small area of pasturelands (southeast portion) and open/forested lands with no identifiable use (western, southwestern and southern portions). Wetlands/surface waters existed within the northwestern, northeastern, central and southern portions of the site. Two active (2) residential homesites were noted within the northern and eastern portions of the largest parcel. In addition, an abandoned homesite was observed within the southern portion of the largest parcel. The largest parcel also included a maintenance area at its eastern extent, and a barn and recreational area on its central and southern portions. Structures identified within the subject property included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stable, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures. Other improvements noted on the site at the time of the assessment included reclaimed water irrigation infrastructure, grove irrigation equipment, six (6) water wells (agricultural and residential use), three (3) septic systems, a dock, fencing, landscaping, electrical power line transmission poles and concrete, gravel and primitive trails/access roads. Currently adjoining the subject property are lands associated with a residential subdivision (Breckenridge - northeast), lands associated with occupied and vacant single-family homesites (north and northwest), commercial lands associated with occupied and vacant warehouse distribution facilities (Northwest Distribution Center and Quality Custom Distribution - east and southeast), lands associated with a hospital campus/facility (Adventist Health System/Sunbelt, Inc. - south beyond right-of-way), agricultural lands associated with a container plant nursery operation (Hooper's Landscape Nursery, Inc. - southwest), former agricultural lands last used for citrus production (west), open/forested lands with no identifiable use evident (south, southeast and northwest) and the Boy Scout Road (between parcels), Galway Boulevard (between parcels), South Binion Road (west), Ocoee Apopka Road (east), State Road 429 (southwest) and State Road 414 (south) rights-of-way and associated interchanges and stormwater management ponds.

2.2.2 Soils

According to the SSURGO Soils Map of Orange County, Florida, prepared by the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), 11 soil types occur within the subject property boundaries (Figure 2). The following presents a brief description of these soil types mapped for the property:

Basinger fine sand, frequently ponded, 0 to 1 percent slopes (#3) is a nearly level, very poorly drained soil found in shallow depressions and sloughs and along edges of freshwater marshes and swamps. The surface layer of this soil type generally consists of black fine sand about 7 inches thick. The water table for this soil type is above the surface for 6 to 9 months or more each year and is within 12 inches of the surface for the rest of the year. Permeability of this soil type is rapid throughout.

Candler fine sand, 0 to 5 percent slopes (#4) is a nearly level to gently sloping, excessively drained soil found on the uplands. The surface layer of this soil type generally consists of very dark grayish brown fine sand about 5 inches thick. The seasonal high-water table for this soil type is at a depth of more than 80 inches. Permeability of this soil type is rapid in the surface and subsurface layers and is rapid to moderately rapid in the subsoil.

Candler fine sand, 5 to 12 percent slopes (#5) is a sloping to strongly sloping, excessively drained soil found on the uplands. The surface layer of this soil type generally consists of dark grayish brown fine sand about 4 inches thick. The seasonal high-water table for this soil type is at a depth of more than 80 inches. Permeability of this soil type is rapid in the surface and subsurface layers and is rapid to moderately rapid in the subsoil.

Candler-Apopka fine sands, 5 to 12 percent slopes (#6) are sloping and strongly sloping, excessively drained and well drained soils found on the uplands. The surface layer of Candler soil consists of very dark grayish brown fine sand about 6 inches thick. The surface layer of Apopka soil consists of dark grayish brown fine sand about 5 inches thick. The seasonal high-water table is at a depth of more than 72 inches in Apopka soil and at a depth of more than 80 inches in Candler soil. The permeability of Candler soil is rapid in the surface and subsurface layers and rapid to moderately rapid in the subsoil. The permeability of Apopka soil is rapid in the surface and subsurface layers and moderate in the subsoil.

Floridana mucky fine sand, depressional (#17) is a nearly level and very poorly drained soil found in depressions and poorly defined drainageways. Undrained areas are ponded for 6 to 9 months or more each year. The upper part of the surface layer of this soil is typically black mucky fine sand about 10 inches thick. The lower part, to a depth of about 20 inches, is very dark gray fine sand. In most years, a seasonal high-water table is within 10 inches of the surface for more than 9 months. The permeability is rapid in the surface and subsurface layers, and it is slow in the subsoil and substratum.

Florahome fine sand, 0 to 5 percent slopes (#28) is a nearly level to gently sloping and moderately well drained soil found on uplands. Typically, the upper

part of the surface layer of this soil is very dark gray fine sand about 10 inches thick. In most years, a seasonal high-water table is at a depth of 48 to 72 inches for 4 to 6 months and recedes to a depth of 72 inches or more during extended dry periods. The permeability is rapid throughout.

Pits (#33) consists of excavated areas of unconsolidated or heterogeneous soil and geologic materials which have been removed primarily for use in road construction or as fill material for low areas and building foundations. These areas consist of a pit or depressed area, which is surrounded by sidewalls of variable steepness.

Sanibel muck (#42) is a nearly level, very poorly drained soil found in depressions, freshwater swamps and marshes and in poorly defined drainageways. Typically, the surface layer of this soil type consists of black muck about 11 inches thick. In most years undrained areas mapped with this soil type are ponded for 6 to 9 months or more except during extended dry periods. Permeability of this soil type is rapid throughout.

Tavares fine sand, 0 to 5 percent slopes (#46) is a nearly level to gently sloping, moderately well drained soil found on low ridges and knolls on the uplands. The surface layer of this soil type generally consists of very dark gray fine sand about 6 inches thick. The seasonal high-water table for this soil type is at a depth of 40 to 80 inches for more than 6 months, and recedes to a depth of more than 80 inches during extended dry periods. Permeability of this soil type is very rapid throughout.

Tavares - Millhopper fine sands, 0 to 5 percent slopes (#47) are nearly level to gently sloping, moderately well drained soils found on low ridges and knolls on the uplands and on the flatwoods. Typically, the surface layer of Tavares and Millhopper soils is dark grayish brown fine sand about 6 inches thick. The seasonal high-water table for Tavares soil is at a depth of 40 to 72 inches for more than 6 months, and recedes to a depth of more than 80 inches during extended dry periods. The seasonal high-water table for Millhopper soil is at a depth of 40 to 60 inches for 1 to 4 months, and recedes to a depth of 60 to 72 inches for 2 to 4 months. Permeability of Tavares soil is very rapid. Permeability of Millhopper soil is rapid in the surface and subsurface layers and is moderately rapid or moderate in the subsoil.

Zolfo fine sand, 0 to 2 percent slopes (#54) is a nearly level, somewhat poorly drained soil found on broad, slightly higher positions adjacent to the flatwoods. The surface layer of this soil type generally consists of dark grayish brown fine sand about 5 inches thick. The seasonal high-water table for this soil type is at a depth of 24 to 40 inches for 2 to 6 months. It is at a depth of 10 to 24 inches during periods of heavy rain. It recedes to a depth of about 60 inches during

extended dry periods. Permeability of this soil type is rapid in the surface and subsurface layers and is moderate in the subsoil.

The Florida Association of Environmental Soil Scientists (FAESS) considers the main component in the Basinger fine sand, frequently ponded, 0 to 1 percent slopes (#3), Floridana mucky fine sand, depressional (#17), Pits (#33) and Sanibel muck (#42) soil types associated with the subject property to be hydric. The FAESS also considers inclusions present in the Basinger fine sand, frequently ponded, 0 to 1 percent slopes (#3), Floridana mucky fine sand, depressional (#17) and Sanibel muck (#42) soil types associated with the subject property to be hydric.

2.2.3 Topography

Based upon a review of the USGS Topographic Map presented in Figure 3 (Apopka, Florida Quadrangle – 1960/Photorevised 1980), the northern, eastern and western portion of the site appear to be associated with hilltop areas and/or higher positions on the site. Elevations associated with these higher position areas appear to be near +120 feet above the National Geodetic Vertical Datum of 1929 (NGVD) at the southwestern portion of the parcel, and near +105 feet NGVD on the northern, eastern and western portions of the site. The lowest lying areas within the site boundaries occur below +70 feet NGVD. These areas, associated with Lake Fuller and Lake Semmes, occur on the northern, northeastern, southern and central portions of the property. In general, it would appear that the subject parcel slopes from higher areas in the southwest, north, east and west to the north, northeast, south, in the direction of the northern, northeastern and central portions of the property, towards areas associated with Lake Fuller and Lake Semmes.

2.3 Purpose

The purpose of this Phase I ESA was to identify RECs associated with the subject site. A REC, as defined by the ASTM International Standard Practice E 1527-13 for Phase I ESAs, refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs. For the purposes of this assessment, a "release" is identified as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discharging of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant). The term "environment" includes (A) the navigable waters, the waters of contiguous zone, and the ocean waters and (B) any other surface water, groundwater, drinking water supply, land surface or subsurface strata.

An HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations [AULs], institutional controls, or engineering controls). A CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a No Further Action [NFA] letter or equivalent, or meeting risk-based criteria established by regulatory), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). *De minimis* conditions generally would not present material risk of harm to public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. *De minimis* conditions are not RECs.

This Phase I ESA was performed in general accordance with ASTM International Standard Practice E 1527-13 for Phase I ESAs utilizing methods and procedures consistent with good commercial or customary practice. The independent conclusions represent our best professional judgment based on information and data available to us during the course of this assessment and on the conditions that existed and information available at the time of the assessment.

2.4 Scope of Services

The Phase I ESA was performed as part of the user's due diligence process associated with a potential commercial real estate transaction (land purchase for future development). It is assumed it will be utilized to assess the environmental condition of the property for reasons of qualifying for one of the *Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"). As the Phase I ESA was conducted in general compliance with the scope and instructions of ASTM E 1527-13, it should constitute "All Appropriate Inquiry" into the previous ownership and uses of the property consistent with good commercial or customary practice.

To achieve the stated purpose, the following services were performed by BTC for this assessment:

- Physical characteristics and uses of the subject property and adjoining lands were reviewed.

- Standard environmental record sources maintained by federal, state, local and tribal agencies to identify sites that could have the potential to impact the environmental quality of the subject property were reviewed. Governmental agency information is collected and compiled by a contracted data research company. The data research company report is based on a radius search which focuses both on the subject property and neighboring lands which may have impacted the site.

- The site history was reviewed in an attempt to identify possible property ownership and/or uses that would suggest an impact to the environmental integrity of the property. This is performed through review of reasonably ascertainable land title records and standard historical sources.

- A site reconnaissance was performed to visually and physically inspect the subject property. This includes a visual inspection of the portions of adjoining properties visible from the subject site and public thoroughfares.

- Interviews were conducted, when possible, with individuals and local government representatives considered likely to know useful information regarding the subject property and adjoining properties.

- A report was prepared, which included the results of our investigation, our findings, opinions, and conclusions, and a discussion of any data gaps encountered.

2.5 Significant Assumptions

The following notable assumptions were made through the course of this assessment:

- Information provided to BTC by the user of this assessment, owners of the site and caretaker of the property has been assumed to be correct and complete.

- It is assumed the site was in use for a first-time agricultural use for citrus production, along with possible rural, residential uses, on the 1947 historical aerial photograph reviewed by BTC as part of this assessment. Prior to the agricultural and possible residential uses, the site is assumed to have been undeveloped and vacant.

2.6 Limitations and Exceptions of Assessment

This Phase I ESA was conducted in a manner consistent with that level of care and skill exercised by members of the profession currently practicing under similar conditions, and was based upon the information made available to BTC at the time of this assessment. This Phase I ESA is strictly limited to the scope of services listed in Section 2.4. The Environmental Professional did not evaluate the site for conditions relating to asbestos containing building materials, biological agents, cultural and historical resources,

ecological resources, endangered species, health and safety, indoor air quality/vapor intrusion (unrelated to releases of hazardous substances or petroleum products into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance and wetlands.

As stated in ASTM E 1527-13, the user or environmental professional is not obligated to identify, obtain, or review every possible record that might exist with respect to a property; it is only necessary to review record information that is reasonably ascertainable from standard sources. Such information is publicly available, obtainable within reasonable time and cost constraints, and practically reviewable.

A Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property. As noted by the legal analysis in ASTM E 1527-13, there may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice. Also, some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in Comprehensive Environmental Response, Compensation, and Liability Act's (CERCLA) definition of hazardous substances. It is therefore recognized that the possibility exists that some hazardous substances or wastes may not be detected because it is beyond the level of inquiry for this type of study.

At the time of the site investigation the subject property appeared as active agricultural lands in use for citrus and timber production, along with active rural, residential uses. The subject property consisted of four (4) plots of land separated by area rights-of-way (Boy Scout Road, Galway Boulevard and the Western Beltway). The lands consisted of a large, centrally located parcel, two (2) smaller parcels to the north and northeast and a small parcel to the southwest. The majority of the site was in use for citrus production at the time of the assessment. Lands used for timber production were observed within largest parcel (southern portion) and the northern parcel, along with a small area of pasturelands (southeast portion) and open/forested lands with no identifiable use (western, southwestern and southern portions). Wetlands/surface waters existed within the northwestern, northeastern, central and southern portions of the site. Two active (2) residential homesites were noted within the northern and eastern portions of the largest parcel. In addition, an abandoned homesite was observed within the southern portion of the largest parcel. The largest parcel also included a maintenance area at its eastern extent, and a barn and recreational area on its central and southern portions. Structures identified within the subject property included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stable, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures. Except for the interiors of the two (2) occupied residences, the noted detached garage and three (3) of the five (5) on-site ancillary structures, all areas located within the subject property boundaries were accessible allowing a full and complete investigation of the site as described herein.

2.7 Special Terms and Conditions

This report, and the information contained herein, shall be the sole property of BTC until payment of any unpaid balance is made in full. Centerline Capital Advisors, hereinafter referred to as the User of this Phase I ESA report, agrees that until payment is made in full, the User shall not have proprietary interest in this report or the information contained herein. BTC shall have absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the User in the event of nonpayment of outstanding fees by the User.

2.8 Deviations

This Phase I ESA did not delete or deviate from ASTM E 1527-13.

2.9 User Reliance

This Phase I ESA was completed for use by the following entities:

- Centerline Capital Advisors and related assigns

No other parties are authorized to rely on this report without express written permission from BTC.

SECTION 3.0
USER PROVIDED INFORMATION

In order to qualify for one of the Landowner Liability Protections (LLPs) to CERCLA liability, the user of a Phase I ESA must provide specific information (if available) to the environmental professional (EP) conducting the assessment. This task is intended to help identify the possibility of RECs in connection with the subject property. Failure of the user to provide this information could result in a determination the "All Appropriate Inquiry" is not complete. In order to help comply with this requirement, BTC provided the user of the report, Centerline Capital Advisors, a User Questionnaire (Appendix A). This questionnaire was provided to Mr. Chip Bryan, Senior Vice President for Centerline Capital Advisors. The following provides a summary of the user provided responses to the questionnaire:

3.1 Environmental Liens or Activity and Use Limitations

An environmental lien is defined as a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property. Activity and Use Limitations (AULs) collectively are institutional (legal) restrictions and engineering (physical) controls, put in place to prevent adverse impacts to individuals and populations resulting from exposure to hazardous substances and petroleum products.

It is the user's responsibility to check, or engage a title company or title professional to check ascertainable, recorded land title records for environmental liens and AULs, if any, that are currently recorded against the property. Any environmental liens or AULs so identified shall be reported.

Based on responses by Mr. Bryan of Centerline Capital Advisors to the User Questionnaire, the user of the Phase I ESA is unaware of any environmental liens or AULs associated with the subject property.

3.2 Specialized Knowledge

Based on Mr. Bryan's response to the User Questionnaire, the user of the Phase I ESA has no specialized knowledge regarding the past or present uses of the subject property or immediately adjoining lands that is material to RECs in connection with this assessment.

3.3 Valuation Reduction for Environmental Issues

Based on Mr. Bryan's response to the User Questionnaire, the user of the Phase I ESA has no specialized knowledge regarding the past or present uses of the subject property or immediately adjoining lands that is material to RECs in connection with this assessment.

3.4 Commonly Known or Reasonably Ascertainable Information

Based on Mr. Bryan's responses to the User Questionnaire, the user of the Phase I ESA is aware of a past use of the property for citrus production. The user is unaware of any past or present chemical use or storage on the site, any spills or chemical releases that have occurred on the parcel or any environmental cleanups that have taken place at the property. As such, it appears the user is unaware of any commonly known or reasonably ascertainable information within the local community about the site that is material to RECs in connection with this assessment.

3.5 Obvious Indicators of Releases

Based on Mr. Bryan's responses to the User Questionnaire, the user of this assessment did not know of any obvious indicators that point to the presence or likely presence of contamination at the subject property. Mr. Bryan did note the known past use of the site for agricultural purposes, suggesting that he is aware that there is a potential for contamination issues associated with this type of activity.

3.6 Reason for Performing Phase I ESA

Based on Mr. Bryan's response to the User Questionnaire, this Phase I ESA was requested as part of the user's due diligence process associated with a potential commercial real estate transaction (land purchase for future development). It is assumed it will be utilized to assess the environmental condition of the subject property for reasons of qualifying for the innocent landowner defense to CERCLA liability.

3.7 Title Records

No historical ownership (chain-of-title) information for the subject property was provided to BTC by the user of this assessment. Based on a review of available historical aerial photographs (dating from 1947 through 2019), as well as information gathered via interviews and during our site visit, it appears that past/present owners of the subject lands, to at least the mid-1940s, have used the property for agricultural purposes for citrus and timber production and pasture, rural residential purposes and as a borrow site/pit for area roadway construction. Based on this information, it appears that no past owners of the subject lands represented entities of heavy industrial, chemical production, or waste disposal repositories.

Please note that properties occurring in areas with a historic use focused on cattle ranching during the period 1906 to 1961 may include, or be in close proximity, to a historic cattle dip vat. Failure to provide chain of title information limits the environmental professional's ability to cross-reference past ownership of the subject property with the State's list of historic cattle dip vat locations.

SECTION 4.0
RECORDS REVIEW

As a component part of our Phase I ESA investigations, reasonably ascertainable standard Federal, State and Tribal environmental records are reviewed. In addition, historical record sources such as aerial photographs, ascertainable Sanborn Fire Insurance Maps, City Directories and topographic maps are reviewed. The purpose of the records review is to obtain and review records that will help identify potential RECs in connection with the subject site. The following sections detail these activities.

4.1 Standard Federal and State Environmental Records

BTC reviewed standard environmental record sources, consisting of Federal, State and Tribal environmental databases compiled by Environmental Data Resources, Inc. (EDR) of Shelton Connecticut. The complete regulatory database report provided by EDR (Report #5830573.2s) is included with this report as Appendix B. Each database has a corresponding search radius as specified by ASTM E 1527-13. Facilities identified to be within this search radius are listed within this subsection. BTC also reviewed unmappable sites, which cannot be precisely located, generally due to inaccurate or missing location information in the record provided by the agency. Any unmappable site identified to be located within its applicable search radius of the site is discussed in the relevant section below.

The following table summarizes the databases reviewed, their ASTM search radii and the number of facilities identified in the environmental database review. Supporting information for each database is provided in the sections referenced. Additionally, database descriptions are included in the attached database report.

ENVIRONMENTAL RECORD SOURCES	ASTM Search Distance (miles)	Listings within Search Distance	Reference Section
Standard Federal Sources			
Federal NPL Site List	1.0	0	4.1.1
Federal Delisted NPL Site List	0.5	0	4.1.1
Federal CERCLIS List/Superfund Enterprise Management System (SEMS)	0.5	0	4.1.2
Federal CERCLIS-NFRAP Site List	0.5	0	4.1.3
Federal RCRA-CORRACTS Facilities List	1.0	0	4.1.4
Federal RCRA-Non CORRACTS TSD Facilities List	0.5	0	4.1.5
Federal RCRA-Generators List	Target and Adjoining Properties	0 0 (Non-Gen)	4.1.6

Federal Institutional Controls/Engineering Controls Registries	Property Only	0	4.1.7
Federal ERNS List	Property Only	0	4.1.8
Standard State and Tribal Sources			
State and Tribal Hazardous Waste Sites (SHWS) – *CERCLIS equivalent*	0.5	0	4.1.9
State and Tribal Solid Waste/Landfill Facilities (SWF/LF)	0.5	1	4.1.10
State and Tribal Leaking Underground Storage Tank Sites (LUST)	0.5	1	4.1.11
State Registered Underground Storage Tank and Aboveground Storage Tank Lists (AST and UST)	Target and Adjoining Properties	1	4.1.12
State and Tribal Institutional Control/ Engineering Control Registries	Property Only	0	4.1.13
State and Tribal Voluntary Cleanup Sites (VCP)	0.5	0	4.1.14
State and Tribal Brownfields Areas/Sites	0.5	0	4.1.15
Additional Environmental Records			
State Dry-cleaning Facilities (DRYCLEANERS)	0.25	0	4.1.16
State Dry-cleaning Priority Ranking List (PRIORITYCLEANERS)	0.5	0	4.1.17
State Delineated Areas - Ethylene Dibromide (DEDB) Database	0.5	0	4.1.18
Florida Cattle Dip Vat Sites	0.25	0	4.1.19
Unmappable Sites		0	4.1.20

4.1.1 Federal National Priorities List (NPL) and Delisted NPL

The NPL itemizes facilities and/or locations with confirmed environmental contamination. The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. The Delisted NPL identifies sites where no further response has been deemed appropriate.

There were no NPL sites identified within one mile of the subject site and no Delisted NPL sites identified within one-half mile of the subject property.

4.1.2 Federal CERCLIS List/Superfund Enterprise Management System (SEMS)

The U.S. Environmental Protection Agency (USEPA) renamed the CERCLIS list to Superfund Enterprise Management System (SEMS) in 2015. The SEMS contains data on potential hazardous waste sites that have been reported to the

USEPA by states, municipalities, private companies and private persons pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The SEMS contains sites which are either proposed for inclusion on the National Priorities List (NPL) or are in the screening and assessment phase for possible inclusion on the NPL. A listing in the SEMS does not always indicate the presence of contamination, only that the site is being investigated.

There were no CERCLIS/SEMS sites identified within one-half mile of the subject property.

4.1.3 Federal CERCLIS No Further Remedial Action Planned (NFRAP)

The CERCLIS NFRAP is an identification of those facilities and/or locations which have been removed from the EPA inventory of potential and confirmed hazardous waste sites (CERCLIS sites). This database was created in an effort to help cities, states, private investors and affected citizens promote economic redevelopment.

There were no CERCLIS NFRAP sites identified within one-half mile of the subject property.

4.1.4 Federal Resource Conservation and Recovery Act Information System (RCRA) – CORRACTS Facilities List

The RCRA-CORRACTS list identifies hazardous waste handlers with RCRA corrective action activity.

There were no CORRACTS (corrective action) sites identified within one mile of the subject property.

4.1.5 Federal RCRA – Non-CORRACTS TSD Sites

The RCRA-TSD list identifies facilities and/or locations that are associated with the treating, storing or disposal of hazardous substances or waste. The facilities listed in the TSD list are potential sources of contamination although no release has necessarily been reported at these sites.

There were no Non-CORRACTS TSD (treatment, storage & disposal) sites identified within one-half mile of the subject property.

4.1.6 Federal RCRA – Generator Sites

The RCRA-Generators list identifies facilities and/or locations associated with the handling, storing or transporting hazardous substances or waste. The facilities listed in the RCRA-Generators list are potential sources of contamination although no release has necessarily been reported at these sites.

Neither the subject property nor immediately adjoining properties are identified as RCRA Generator sites in the available radius information.

4.1.7 Federal Institutional Control/Engineering Control Registries

The Institutional Control and Engineering Control Registries are listings of sites with institutional or engineering controls in place. Institutional controls include administrative measures and post remediation care requirements intended to prevent exposure to contaminants remaining on a site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

The subject property is not identified in association with any Federal institutional and/or engineering controls.

4.1.8 Federal Emergency Response Notification System (ERNS)

The ERNS lists information on releases of petroleum products and hazardous waste. The ERNS list identifies those facilities and/or locations that have been reported to the USEPA under the Emergency Response Notification System because of the release of potentially hazardous material.

The subject property is not identified as an ERNS site.

4.1.9 State Hazardous Waste Sites (SHWS)

The State Hazardous Waste Sites List (SHWS) is the State equivalent to the CERCLIS list. These sites may or may not already be listed on the Federal CERCLIS list.

There were no SHWS sites identified within one-half mile of the subject property.

4.1.10 State Solid Waste/Landfill Facilities (SWF/LF)

The SWF/LF list includes facilities and/or locations identified with the handling or land filling of solid waste. Inclusion of a site on the SWF list does not indicate that contamination has been reported, but rather that there is the potential.

There was one (1) SWF/LF site identified within one-half mile of the subject property. This area (adjoining) SWF/LF listing is reported as follows:

- **Itner Trash Site (aka Apopka Site)**
  2 miles west on SR 437A
  Apopka, Florida 32703
  Adjoining N (down-gradient)
  Facility ID #22044
  Facility Classification: Yard Trash Disposal Facility
  Facility Status: NFA, No Further Action

The Itner Trash Site (aka Apopka Site) listing is reported as yard trash facility that has been closed and given a status of NFA, No Further Action. There is little information available on this facility. The site is not identified in association with any compliance/enforcement or permitting/cleanup documents in public file information gathered from the FDEP Division of Waste Management OCULUS System. Based on the above information, this adjoining SWF/LF listing does not appear significant to the subject site and this assessment at this time.

4.1.11 State Leaking Underground Storage Tanks (LUST)

The State Leaking Underground Storage Tank (LUST) list was screened via the FDEP's Division of Waste Management OCULUS System. The LUST list includes specifically those sites that have reported incidences of leaks or discharges associated with underground storage tanks (USTs).

There was one (1) LUST site identified within one-half mile of the subject property. This area LUST listing is reported as follows:

- **John's, Inc.**
  800 West John's Road
  Apopka, Florida 32703
  Approximately 1,500-feet NE (up-gradient)
  Facility ID #8521649
  Facility Status: Open Fuel User/Non-Retail
  Discharge Cleanup Status: NREQ – Cleanup Not Required 05/29/2001

Based on a review of public file information gathered from the FDEP's Division of Waste Management OCULUS System, the John's, Inc. listing does not appear significant to the subject property and this assessment at this time (potential for discharges associated with this reported listing to have impacted the subject property is low). This determination is based on cleanup status achieved/rendered (NREQ – Cleanup Not Required as of 05/29/2001), the topographic character in the area and agency correspondence reviewed by BTC as part of this assessment.

4.1.12 State and Tribal Registered Storage Tank Lists (AST/UST)

The State and Tribal Registered Storage Tank lists include all facilities and/or locations that are required by Florida Administrative Code (F.A.C.) to register aboveground storage tanks (ASTs) and underground storage tanks (USTs). Inclusion on these lists does not indicate that a release of petroleum product has occurred, but rather that there is the potential for a release. The AST and UST registries were screened via the FDEP's OCULUS System.

The subject property is not identified as an AST/UST site; however, one (1) adjoining property is identified as an AST/UST site. This adjoining property AST/UST listing is reported as follows:

- **Quality Custom Distribution**
  1501 Ocoee Apopka Road
  Apopka, Florida 32703
  Adjoining Property SE (up-gradient)
  Facility ID #9816027
  Facility Status: Open Fuel User/Non-Retail

Based on public file information reviewed by BTC as part of this assessment, the Quality Custom Distribution listing is identified as an open fuel user/non-retail site presently associated with one (1) aboveground storage tank (2,800-gallon unit utilized for emergency generator diesel). Based on available information the aboveground unit was installed in January of 2018. Based on additional public file information reviewed, there appeared to be no issues identified by the operator or the FDEP with regards to this unit since this time. Based on the above information, as well as the lack of any documentation in readily accessible public file records indicating any significant releases associated with this unit, this adjoining AST listing does not appear significant to the subject property and this assessment at this time.

4.1.13 State Institutional Control/Engineering Control Registries

The Institutional Control and Engineering Control Registries are listings of contaminated sites in the State which are subject to institutional or engineering

controls. Institutional controls include administrative measures and post remediation care requirements intended to prevent exposure to contaminants remaining on a site. Engineering controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to a property.

The subject property is not identified in association with any State institutional and/or engineering controls.

4.1.14 State Voluntary Cleanup Sites (VCP)

The VCP database lists facilities and/or locations that are associated with voluntary cleanup activities.

There were no VCP sites identified within one-half mile of the subject property.

4.1.15 State Brownfields Areas/Sites

Brownfields are defined by the FDEP as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. The primary goals of Florida's Brownfields Redevelopment Act (Ch. 97-277, Laws of Florida, codified at ss. 376.77-.85, F.S.) are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage redevelopment and voluntary cleanup of contaminated properties. A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and USEPA designated brownfield pilot projects.

There were no State Brownfield Areas/Sites identified within one-half mile of the subject property.

4.1.16 State Dry-cleaning Facilities (DRYCLEANERS)

The DRYCLEANERS database includes information about permitted dry cleaner facilities. A listing on the DRYCLEANERS database does not indicate that a release has occurred, but rather that there is the potential for a release.

There were no DRYCLEANERS sites identified within one-quarter mile of the subject property.

4.1.17 State Dry-cleaner Priority Ranking List (PRIORITYCLEANERS)

The PRIORITYCLEANERS database is a listing of all facilities that have applied for a state funded program which aids in the cleanup of properties that are contaminated as a result of the operations of a dry-cleaning facility or wholesale supply facility. A listing on PRIORITYCLEANERS indicates that a release has occurred, although the quantity released may not pose a threat to either the releasing facility or to surrounding properties.

There were no PRIORITYCLEANERS sites identified within one-half mile of the subject property.

4.1.18 State Delineated Areas - Ethylene Dibromide (DEDB) Database

Ethylene Dibromide (EDB) is a carcinogenic compound determined by the USEPA to have the potential to produce adverse health effects from prolonged consumption. EDB was used as a soil fumigant between 1962 and 1983 to control nematodes on citrus groves, golf courses and some other crops such as peanuts and soybean. It also was an additive to leaded gasoline from the 1920s until leaded gasoline was phased out in the 1980s. Subsequently, EDB was identified as a carcinogen and as a groundwater contaminant associated with older leaking underground storage tank sites (LUSTs), as well as with certain historical agricultural lands.

The FDEP now delineates areas of EDB contamination, which are codified under Chapter 62-524, F.A.C. Although EDB sites have been confirmed in twenty-two (22) Florida counties, most of the sites are located in five (5) counties: Highlands, Jackson, Lake, Orange and Polk. The Delineated Areas-Ethylene Dibromide database (DEDB) identifies those locations where the FDEP has delineated a 1000-foot setback zone from a confirmed EDB-contaminated groundwater well or in areas where EDB was historically applied, but for which groundwater quality data is limited. While a review of this database is not required specifically by the ASTM standard, an investigation of this information is considered good commercial and customary practice in Florida, particularly in historic citrus growing areas [or the five (5) aforementioned counties], out to a radius of one-half mile from a subject property.

There were no DEDB test sites identified within one-half mile of the subject property in the available radius information. In order to further assess the potential for EDB to have affected the subject property, a review of FDEP Groundwater Contamination Areas data was conducted. This review identified the subject property as being partially located (northeastern portion of subject property) within a known historical EDB application area, pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting in Delineated Areas. This

DEDB site is identified by the FDEP as a Ground Water Contamination Area, Zone #48263145. Responsible parties and property owners are not required to assess or cleanup within established EDB zones. Instead, the Florida Legislature requested the FDEP establish that new potable water wells located within EDB zones are subject to provisions of Chapter 62-524, Florida Administrative Code, which includes specific construction and/or treatment requirements.

4.1.19 Florida Cattle Dip Vat Sites

The State Cattle Dip Vat database lists the known locations of historic cattle dip vats. According to the Florida Department of Health, approximately 3,400 cattle-dipping vats were constructed on private properties throughout Florida from 1906 through 1962. These vats were used in an effort to eradicate cattle fever ticks, and State law required that all cattle, horses, mules, goats, and other susceptible animals be dipped every fourteen (14) days. The vats contained insecticide solutions that were mixed on site and therefore, most were located near a water source. The sites consisted of a concrete trough, typically measuring 30-feet long, 3-feet wide and up to 7-feet deep, with a drip pad at the exit and a drip pen beyond the pad.

It is now known that the solutions used in these cattle-dipping vats are harmful to humans and areas with the vats may have contaminated soils and groundwater in their vicinity. The most significant contaminant of concern at cattle dip vat locations is arsenic, although other potential contaminants include BHC, DDT, DDE and toxaphene. The original State records typically identified vat locations descriptively or by property owner and did not include an address or map location.

Consequently, while eighty-five (85) cattle dip vats are listed as having been constructed in Orange County, only one (1) of them has been mapped in recent years. Hence, properties located in areas with an historic land use of cattle ranching may have or be in close proximity to an historic cattle dip vat.

There were no cattle dip vat sites identified within one-quarter mile of the subject property in the available radius report.

4.1.20 Unmappable Sites

BTC reviewed the EDR Orphan Summary (unmapped sites included in databases) as part of this assessment. Unmappable sites are those for which inadequate location information exists (i.e. no definitive street address, zip code or latitude/longitude data) for a practical review.

Based on the information reviewed, there were no orphan sites listed within close proximity to the subject property.

4.2 Additional Environmental Records Sources

All of the record sources reviewed as part of this assessment were described above. No additional sources were considered in this study.

4.3 Historical Use Information - Subject and Adjoining Properties

4.3.1 Historical Aerial Photographs

The land use history of the subject site and adjoining lands was determined, in part, through analysis of historical aerial photographs dating from 1947 through 2019 (see Appendix C). The aerials were obtained from the Florida Department of Transportation (FDOT) and the University of Florida (Publication of Archival, Library & Museum Materials - PALMM). The purpose of this review was to identify evidence of structures, objects, or disturbances at the site and surrounding areas which may indicate the presence of RECs at the time the aerial photographs were taken. Our observations are summarized below:

1947 Historical Aerial Photograph

The majority of the subject property appears as agricultural lands in use for citrus production at the time of the 1947 historical aerial photograph. Some areas appears undeveloped and covered by natural vegetation or as surface waters at this time. A possible rural, residence is also depicted on the 1947 aerial photograph. There appear to be structures within the eastern and central portions of the largest parcel on the subject site at this time. Adjoining lands appear similar to the subject site (agricultural lands in use for citrus production or undeveloped lands covered by natural vegetation or surface waters) or as rural residential homesites on the 1947 aerial photograph. Located on adjoining lands at this time are roadways within the current Boy Scout Road, South Binion Road and Ocoee Apopka Road rights-of-way.

1954 Historical Aerial Photograph

Except for the conversion of additional areas of the subject site and area lands for citrus production, no significant changes appear on the subject or immediately adjoining properties.

1969 Historical Aerial Photograph

Except for the conversion of additional areas of the subject site and area lands for citrus production, the appearance of a structure within the northwestern portion of the largest parcel, the appearance of a nursery operation on adjoining lands to the north and the appearance of rural homesites on adjoining lands to the north, no significant changes appear on the subject or immediately adjoining properties. There appear to be at least six (6) structures visible within the subject site boundaries at this time, all within the largest parcel.

1974 Historical Aerial Photograph

Except for the appearance of two (2) additional structures within the northwestern portion of the largest parcel, the apparent removal of two (2) structures within the eastern portion of the largest parcel, the expansion of a nursery operation/facility to the north and the appearance of additional rural homesites on adjoining lands to the north, no significant changes appear on the subject or immediately adjoining properties. There appear to be at least six (6) structures visible within the subject site boundaries at this time, all within the largest parcel.

1978 Historical Aerial Photograph

Except for the appearance of three (3) structures within the eastern portion of the site, the apparent removal of one (1) structure within the northwestern portion of the largest parcel, the appearance of a nursery operation/facility on adjoining lands to the west, the continued expansion of a nursery operations to the north and the appearance of additional rural homesites on adjoining lands to the north, no significant changes appear on the subject or immediately adjoining properties. There appear to be at least eight (8) structures visible within the site at this time, all within the largest parcel.

1984 Historical Aerial Photograph

Except for the apparent decline of citrus production on the subject and adjoining properties, the appearance of a structure within the eastern portion of the largest parcel, the appearance of a barn structure on adjoining lands to the south and the appearance of additional rural homesites on adjoining lands to the north, no significant changes appear on the subject or immediately adjoining properties.

1990 Historical Aerial Photograph

Except for the replanting of citrus groves on the subject property and adjoining lands, the expansion of the grove maintenance facility structure within the eastern portion of the site, the appearance of a structure within the central portion of the largest parcel and the conversion of adjoining lands for timber production, no significant changes appear on the subject or immediately adjoining properties. There appear to be at least eight (8) structures visible within the site at this time, all within the largest parcel.

1997 Historical Aerial Photograph

Except for the construction of a residence and another structure within the northern portion of the site, and the removal of a structure within the western portion of the largest parcel, no significant changes appear on the subject or immediately adjoining properties. There appear to be at least nine (9) structures visible within the site at this time, all within the largest parcel.

2002 Historical Aerial Photograph

Except for the excavation of pits within the central and southern portions of the largest parcel, the construction of a dock on the central surface water, the construction of the detached garage and driveway within the northern portion of the site, the construction of a structure within the southern portion and the removal of four (4) structures within the central, northern, eastern and western portions of the largest parcel, no significant changes appear on the subject lands. The excavation noted on the site appears to be associated with borrow operations related to nearby roadway construction. There appear to be at least seven (7) structures visible within the site at this time, all within the largest parcel. Changes noted on adjoining lands by this time include the appearance of a nursery operation on adjoining lands to the southwest and the construction of the toll road right-of-way on lands to the east (State Road 451).

2006 Historical Aerial Photograph

Except for the clearing of lands and commencement of construction for a residential development on adjoining lands to the northeast, and the clearing of adjoining lands to the east for future development, no significant changes appear on the subject or immediately adjoining properties.

2010 Historical Aerial Photograph

Except for the planting of pine trees within the above noted southern excavated area and a portion of the northern parcel, no significant changes appear on the subject property. Changes noted on adjoining lands by this time include the continuation of construction for the residential development on adjoining lands to the northeast, the construction of warehouses on adjoining lands to the east and the construction of stormwater management ponds on adjoining lands to the south and west.

2014 Historical Aerial Photograph

Except for the construction of the equipment storage barn, equine stables and kitchen/dining structure within the southeastern portion of the largest parcel, no significant changes appear on the subject property. There appear to be at least ten (10) structures visible within the site at this time, all within the largest parcel. Changes noted on adjoining lands by this time include the continuation of construction of the residential development on adjoining lands to the northeast and the construction of the State Road 414 and State Road 429 rights-of-way on adjoining lands to the south and west.

2017 Historical Aerial Photograph

Except for the completion of construction of the residential development on adjoining lands to the northeast, the construction of additional warehouses on adjoining lands to the east and the commencement of construction of a hospital campus/facility on adjoining lands to the south, no significant changes appear on the subject or immediately adjoining properties.

2019 Historical Aerial Photograph

Except for the completion of construction of the hospital campus/facility on adjoining lands to the south, no significant changes appear on the subject or immediately adjoining properties.

4.3.2 Historical Sanborn Maps

Sanborn Fire Insurance Maps were produced for the fire insurance industry from 1876 through 1961, with photo revisions continuing until 1975. These maps show buildings and their associated land uses down to parcel and lot within many U.S. towns and cities (mostly concentrated to urbanized areas). Therefore, these fire maps can be very useful in identifying potential environmental concerns associated with past land uses during periods prior to and overlapping with, the advent of aerial photography.

A search for Sanborn Fire Insurance Maps for the location in which the subject property is situated was not conducted, as it is known by BTC that this is an unmapped area.

4.3.3 Historical City Directory Information

Based on the positive identification of past uses of the subject property identified through interviews and review of historical aerial photographs (agricultural uses for citrus production, timber production and pasturelands, residential uses and for borrow pit operation), a search of available city directories was not conducted as part of this assessment.

4.3.4 Historical Topographic Maps

Based on historical topographic maps reviewed, it appears that five (5) landmark structures existed on the subject site at the time of the publication for 1960 and eight (8) landmark structures existed on the subject site at the time of the publication for 1980. Multiple roadways/trails and groves (citrus) are also depicted in association with the majority of the lands on these publications.

4.4 Physical Setting Characteristics

Based upon a review of the USGS Topographic Map presented in Figure 3 (Apopka, Florida Quadrangle – 1960/Photorevised 1980), the northern, eastern and western portion of the site appear to be associated with hilltop areas and/or higher positions on the site. Elevations associated with these higher position areas appear to be near +120 feet above the National Geodetic Vertical Datum of 1929 (NGVD) at the southwestern portion of the parcel, and near +105 feet NGVD on the northern, eastern and western portions of the site. The lowest lying areas within the site boundaries occur below +70 feet NGVD. These areas, associated with Lake Fuller and Lake Semmes, occur on the northern, northeastern, southern and central portions of the property. In general, it would appear that the subject parcel slopes from higher areas in the southwest, north, east and west to the north, northeast, south, in the direction of the northern, northeastern and central portions of the property, towards areas associated with Lake Fuller and Lake Semmes.

4.4.1 Stormwater Drainage

It appears that run-off from the subject property drains from higher elevations existing on the property, occurring on the northern, southeastern and southwestern portions of the property, in the direction of on- and off-site wetland/surface water systems know as Lake Fuller and Lake Semmes. Due to the relief which exists in the vicinity of the subject property, as well as physical and stormwater management features present in the area, off-site run-off likely enters the site from the immediate southeast and south.

4.4.2 Groundwater

The groundwater hydrology of Central Florida can be described in terms of the nature and relationship of three basic aquifers – the surficial-, the intermediate-, and the Floridan aquifers.

The surficial aquifer is highly permeable and includes the local water table. In general, the sands of the surficial aquifer extend to depths of 40 to 70 feet. The surficial aquifer sits atop the much less permeable intermediate aquifer, consisting of the Hawthorn Group and various confining beds. The Hawthorn Group is characterized by low permeability clays and ranges in thickness from nearly absent in some locations to greater than 100 feet. Beneath this intermediate aquifer is the Floridan Aquifer, consisting of a limestone formation, which may be several thousand feet thick at various locations. The limestone formation, which is the primary source of drinking water in Central Florida, is highly permeable due to the presence of large interconnected channels and cavities throughout the rock. The amount of groundwater flow between the surficial and Floridan aquifers is dependent on the thickness and consistency of the Hawthorn clay confining beds, which as previously stated varies widely throughout Central Florida.

Although no test borings were performed by BTC during the assessment of the property, the following presents a general description of the expected hydrogeology in the vicinity of the subject property:

Groundwater in the immediate vicinity of the subject property is assumed to follow, more-or-less, ground surface topography. Based solely on the topographic information presented in Figure 3, it is inferred that the majority of the shallow groundwater in the vicinity of the subject property flows in the direction of area lake systems occurring within the site boundaries, as well as just north and east of the property (Lake Fuller and Lake Semmes). A smaller amount of the shallow groundwater would appear to flow to the southwest. Due to the relief which exists in the vicinity of the subject property, it appears off-site

groundwater could likely enter the site from immediately adjoining areas to the southeast and south.

Based on the above assumptions, and information provided by EDR and the FDEP, there appears to be one (1) item of note regarding potential contamination in the area. As noted in Section 4.1.18, a review of FDEP Groundwater Contamination Areas data identified the subject property as being partially located within a known historical EDB application area, pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting in Delineated Areas.

SECTION 5.0
SITE RECONNAISSANCE

Inspection of the subject and adjoining properties was performed on October 30, 2019. The objective of this site visit was to visually/physically identify RECs in connection with the subject property. Photographs documenting conditions found at the subject and adjoining properties on this date are included as Appendix D. Our observations and findings resulting from the reconnaissance are provided below.

5.1 Methodology and Limiting Conditions

The site visit included a vehicular and pedestrian inspection of the subject property and visual observations of adjacent properties. The properties were investigated for any evidence of the following items as part of the assessment:

- **Hazardous Substance in Connection with Identified Uses**
- **Hazardous and Unidentified Substance Containers**
- **Storage Tanks**
- **Indication of PCBs**
- **Indication of Solid Waste Disposal**
- **Stained Soils or Pavement**
- **Stressed Vegetation**
- **Odors**
- **Pools of Liquid**
- **Domestic/Sanitary Waste Handling**
- **Ponds, Lagoons or Pits**
- **Wells**

Except for the interiors of two (2) occupied residences, a detached garage and three (3) ancillary structures, all areas located within the subject property boundaries were accessible allowing a full and complete investigation of the site as described herein.

5.2 General Site Setting

5.2.1 General Exterior Observations

The site investigation began with an inspection of the subject property and boundaries and continued with a pedestrian survey of the adjoining properties. A vehicle survey was conducted of facilities of interest from the EDR Radius Map Report. Access to the site was gained via Boy Scout Road, which exists between the subject property boundaries.

At the time of the site investigation the subject property appeared as active agricultural lands in use for citrus and timber production, along with active rural, residential uses. The subject property consisted of four (4) plots of land separated by area rights-of-way (Boy Scout Road, Galway Boulevard and the Western Beltway). The lands consisted of a large, centrally located parcel, two (2) smaller parcels to the north and northeast and a small parcel to the southwest. The majority of the site was in use for citrus production at the time of the assessment (Photos #1 through #4). Lands used for timber production were observed within largest parcel (southern portion) and the northern parcel, along with a small area of pasturelands (southeast portion) and open/forested lands with no identifiable use (western, southwestern and southern portions) (Photos #5 through #8). Wetlands/surface waters existed within the northwestern, northeastern, central and southern portions of the site (Photos #9 and #10). Two active (2) residential homesites were noted within the northern and eastern portions of the largest parcel. In addition, an abandoned homesite was observed within the southern portion of the largest parcel. The largest parcel also included a maintenance area at its eastern extent, and a barn and recreational area on its central and southern portions. Structures identified within the subject property included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stable, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures (Photos #11 through #39). Other improvements noted on the site at the time of the assessment included reclaimed water irrigation infrastructure, grove irrigation equipment, six (6) water wells (agricultural and residential use), three (3) septic systems, a dock, fencing, landscaping, electrical power line transmission poles and concrete, gravel and primitive trails/access roads. There were no observations of past releases, ongoing discharges and/or significant threats of releases to the environment identified in association with the current uses of the exterior portions of the subject property during the investigation conducted.

5.2.2 General Interior Observations

Structures identified on the subject property during the investigation conducted included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stables, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures (Photos #11 through #39). Of the structures noted on the site, the interiors of one (1) single-family residence, the grove maintenance garage, the equipment storage barn, the equine stable, the kitchen/dining structure and two (2) of the ancillary structures were observed (see Photos #17, #18, #20, #21, #22, #24, #25, #26, #28, #30, #31, #32, #35 and #39). With regards to the interiors of the structures noted, except for the interior of the grove maintenance garage, there were no items of note or issues of concern to this assessment identified. With regards to the interior of the grove

maintenance garage, a chemical storage area was observed (see Section 5.8 below for more information). With regards to the interiors of the structures not observed, it is assumed that these interiors would be typical for occupied single-family residences, a detached residential use garage and residential ancillary use structures and there should be no issues of concern to this assessment.

5.3 Hazardous Substance in Connection with Identified Uses

Hazardous and potentially hazardous substances (agrochemicals and petroleum containing materials) that appeared to be in use for grove operations and equipment maintenance were observed within the grove maintenance garage and equipment storage barn on the site (eastern and central portions of central parcel), as well as within a boneyard area for old equipment that exists on the northeastern portion of central parcel (Photos #40 through #45). Hazard substances observed included new and used petroleum containing materials (motor oils, hydraulic fluids, lubricants, etc.), herbicides, insecticides, fungicides and fertilizers. With regards to the hazardous and potentially hazardous substances noted, they appeared to be properly stored/managed in an orderly manner with no significant visual signs of mishandling or significant releases in their vicinities during the investigation conducted.

5.4 Hazardous and Unidentified Substance Containers

Potentially hazardous and unidentified substance containers were identified in areas of the site associated with grove and vehicle maintenance activities. These included the on-site grove maintenance garage, equipment storage barn and the above noted boneyard area for old equipment (as noted above in Section 5.3 - see Photos #40 through #45). Hazardous substances containers observed included full, partially full and empty containers of new and used petroleum containing products (motor oils, hydraulic fluids, lubricants, etc.), herbicides, insecticides, fungicides and fertilizers. As noted above, the hazardous and potentially hazardous substances noted appeared to be properly stored/managed in an orderly manner with no significant visual signs of mishandling or significant releases in their vicinities during the investigation conducted.

5.5 Storage Tanks

Except for a portable AST used for diesel fuel that was observed within the on-site grove maintenance/operations area (Photo #46), a few tractor-towed citrus oil spreaders observed within the equipment storage barn (Photo #47), pressure tanks and filter systems associated with the residential wells (Photo #48) and abandoned portable ASTs situated within the boneyard area of retired equipment (Photos #49 and #50), there were no aboveground storage tanks or evidence of underground storage tanks identified on the subject site during the investigation conducted. With regards to the ASTs noted, there were no issues of concern to this assessment identified.

5.6 Indication of PCBs

Polychlorinated biphenyls have been used in power transformers and capacitors due to their excellent heat exchange and dielectric properties. However, this group of compounds was determined to be carcinogenic and their production was banned in the US in 1979. Consequently, distribution of transformers containing PCBs was phased out in the 1980s. Other potential sources of PCBs include older hydraulic machinery (such as are associated with elevators and lift equipment). Although PCB-type transformers and hydraulic components have been replaced in the time since, an unknown number have been allowed to stay in service for the duration of their life-cycles.

Eight (8) utility-pole-mounted electrical transformers (Photos #51 through #54) were observed within the subject property. Four (4) transformers appeared newer (i.e. no discoloration or rust) and were stamped "NON PCB" on the units, while the other four (4) appeared older. None of the units observed appeared to be leaking or compromised in any way. No other potential sources of PCBs were identified on the subject property during the investigation conducted.

5.7 Indication of Solid Waste Disposal

Other than minor amounts of household debris located within the vicinity of the abandoned residence on the property (Photos #55 and #56), there were no indications of solid waste disposal observed on the subject site during the investigation conducted. With regards to the debris noted, there were no issues of concern to this assessment identified.

5.8 Stained Soils or Pavement

There were no indications of stained soils; however, there were areas of stained concrete/pavement identified within the grove maintenance garage on the subject property during the investigation conducted (Photos #57 and #58). Petroleum stained concrete was identified within multiple areas inside the garage. While this is the case, the concrete pavement within this structure appeared intact, suggesting a low potential for materials to have released to the area soils. With regards to the staining noted, this is a general house-keeping issue and would be considered *di minimis* with regards to this assessment at this time.

5.9 Stressed Vegetation

There were no indications of stressed vegetation identified on the subject site during the investigation.

5.10 Odors

There were no unusual odors identified on the subject site during the investigation.

5.11 Pools of Liquid

There were no pools of liquid observed on the subject site during the investigation.

5.12 Domestic/Sanitary Waste Handling

Based on interviews and observations during the site visit, it appeared that domestic/sanitary wastes were being generated by the two (2) occupied residences on the subject property. Based on further observations and information provided by the owners, these wastes appeared to be handled via residential septic systems. A third septic system was also discovered in association with the abandoned residence on the property (Photo #59). Based on the assumed residential only uses of the septic systems, there were no issues of concern to this assessment identified.

5.13 Ponds, Lagoons and Pits

Other than natural wetlands/surface waters located within the northwestern, northeastern, central and southern portions of the subject property (see Photos #9 and #10), there were no ponds, lagoons or pits identified on the subject site during the investigation conducted. With regards to the wetlands/surface waters noted, there were no issues of concern to this assessment identified.

5.14 Wells

There were six (6) wells in total, four (4) agricultural wells and two (2) residential wells, identified on the subject property during the investigation conducted (see Photos #48 and #60 through #65). The two (2) agricultural wells located within the citrus groves were electrically powered, had never had tanks associated with them according to the owners and had not been used since reclaimed water was brought to the site sometime in the 1980s. The third agricultural well (located within the pine planation) was discovered during fill dirt excavation of the area, and after digging out all the dirt, the exposed well casing was cut just above grade with a cover welded on. The two (2) residential wells are associated with the active residences and are currently in use. There may be an additional residential wells associated with the abandoned residence, but none were not located at the time of the on-site assessment. With regards to the wells noted, there were no issues of concern to this assessment identified.

5.15 Adjoining Property Observations

In general, the subject site is situated in a former agricultural use area, including rural homesites, which is currently in transition for larger scale residential development. Historically the area appears to have been comprised mostly of lands associated with agricultural use for citrus crop production, undeveloped naturally vegetated uplands and wetlands, and rural residential homesites from prior to 1947 through the 1970s. Subsequent to the 1970s, it appears that some lands dedicated to citrus crop production were converted for timber production and pastureland uses. Additional residential uses appeared in the area during this time as well. In the early 2000s, State Road 451 was constructed in the area to the east, followed by larger scale residential developments to the north and southeast. In the early 2010s, State Road 429 (Western Beltway) was constructed to the west and south, followed by commercial development to the east.

Currently adjoining the subject property are lands associated with a residential subdivision (Breckenridge - northeast), lands associated with occupied and vacant single-family homesites (north and northwest – Photos #66 and #67), commercial lands associated with occupied and vacant warehouse distribution facilities (Northwest Distribution Center and Quality Custom Distribution - east and southeast – Photos #68 and #69), lands associated with a hospital campus/facility (Adventist Health System/Sunbelt, Inc. - south beyond right-of-way – Photo #70), agricultural lands associated with a container plant nursery (Hooper's Landscape Nursery, Inc. - southwest – Photo #71), former agricultural lands last used for citrus production (west), open/forested lands with no identifiable use evident (south, southeast and northwest) and the Boy Scout Road (between parcels – Photo #72), Galway Boulevard (between parcels – Photo #73), South Binion Road (west – Photo #74), Ocoee Apopka Road (east – Photo #75), State Road 429 (southwest – Photo #76) and State Road 414 (south) rights-of-way and associated interchanges and stormwater management ponds. No significant issues of concern to this assessment were observed in association with any of the adjoining properties during the site visit conducted as part of this site assessment.

SECTION 6.0
INTERVIEWS

The objective of interviews conducted in order to comply with ASTM E 1527-13 is to obtain information indicating RECs in connection with the subject site. In addition to the user of the Phase I ESA and present owner of the site, BTC makes reasonable attempts to conduct interviews with parties it believes could provide useful information regarding potential RECs. Parties to be interviewed are determined based on the past/present uses identified and their availability for interview within reasonable timeframes. Parties such as occupants, site managers, local government officials and past owners are interviewed, when possible, based on their potential to provide relevant information. Documentation of any such interviews conducted by BTC is included in Appendix A. A summary of this information is presented below.

6.1 Interview with Owners

At the present time, the owners of the subject lands include Binion Partners, LLC, John and Donna Marie Robertson Kirkland, Troy S. Bronson Family LP, Ruth Ina Bronson Trust ½ Interest and Troy S Bronson Trust ½ Interest, Emma G. Kazaros Trust and Daryl M. Carter Trust. BTC made contact with representatives for all the owners as part of this Phase I ESA. Based on information obtained via owner questionnaires (see Appendix A), as well as public records and historical aerials reviewed, it appears that the current owners have been associated with the property for approximately 17 years, 22 years, 43 years, 43 years, 58 years and 20 years, respectively and have used the property for agricultural purposes for citrus production, timber production and pasture, rural, residential uses and borrow operations (sand mining) during this time. According to the owner representatives, the only known past uses of the site were for citrus production. Based on our review of historical aerial photographs dating back to 1947, this appears to be the case.

Based on additional responses to the owner questionnaires, the current owners have no knowledge of any past or present storage tanks on the parcel (except for one aboveground tank [portable] located at the barn – see Section 5.5), any past or present chemical use or storage on the site, or any cattle dip vats that existed on the property. While this is the case, it should be noted that BTC observed a stocked chemical shed within the on-site maintenance barn at the time of the assessment (see Sections 5.3 and 5.4). The owners stated having no knowledge of any spills or chemical releases that have taken place at the site or any environmental cleanups that have occurred on the property. In addition, the owners have no knowledge of any environmental liens and/or AULs associated with the site. Further, the current owners have never been informed by any nearby property owners or the FDEP about groundwater contamination that may be migrating onto the property from off-site sources based on the completed questionnaire.

Along with the owner questionnaire, an onsite interview was conducted on October 30, 2019 with Mr. John Kirkland (grove employee since 1979 and owner of a portion of the subject property for 22 years). Mr. Kirkland noted the location of the maintenance area, barn, equipment storage areas, wells and residences. He explained that the central surface water and the pine plantation to the south were both excavation areas for fill dirt utilized in the construction of the State Road 429 right-of-way. He noted that the two (2) grove wells were electric and had never had tanks associated with them and that they had not been used since reclaimed water was brought to the groves in the 1980s. A third agricultural well (located within the pine planation) was discovered during fill dirt excavation and that after digging out all the dirt, the exposed well casing was cut just above grade and a cover welded on. He noted that there had never been any underground tanks on the site and that the only aboveground tanks were used for chemical sprayers, clean water or diesel fuel, and all were portable. Also mentioned during the interview/site overview was that the main agent sprayed on the citrus trees was a light oil and water mixture that was used to treat various mites.

6.2 Interviews with Past Owners

Interviews with past owners were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (agricultural uses for citrus production, timber production and pasturelands, residential uses and for borrow pit operation) and the length of time associated with the current ownerships, interviews with past owners were not considered necessary as part of this investigation. The absence of past owner provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

6.3 Interviews with Local Governmental Officials

Interviews with local governmental officials were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (agricultural uses for citrus production, timber production and pasturelands, residential uses and for borrow pit operation), interviews with local governmental officials were not considered necessary as part of this investigation. The absence of local governmental officials provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

6.4 Interviews with Others

Based on information obtained and assumed by BTC through the course of this investigation, additional interviews were not performed or considered necessary for this assessment.

SECTION 7.0
FINDINGS, OPINIONS, DATA GAPS AND CONCLUSIONS

The following summarizes the findings, opinions and conclusions representing BTC's best professional judgment based on information and data available to us during the course of this assessment. Included in this section are a list of data gaps encountered, as well as a summary of both our findings and of potential RECs, whether historical (HREC), controlled (CREC) or recognized (REC), and *de minimis* conditions.

7.1 Findings

The following summarizes the findings representing BTC's best professional judgment based on information and data available to us during the course of this assessment.

In general, the subject site is situated in a former agricultural use area, including rural homesites, which is currently in transition for larger scale residential development. Historically the area appears to have been comprised mostly of lands associated with agricultural use for citrus crop production, undeveloped naturally vegetated uplands and wetlands, and rural residential homesites from prior to 1947 through the 1970s. Subsequent to the 1970s, it appears that some lands dedicated to citrus crop production were converted for timber production and pastureland uses. Additional residential uses appeared in the area during this time as well. In the early 2000s, State Road 451 was constructed in the area to the east, followed by larger scale residential developments to the north and southeast. In the early 2010s, State Road 429 (Western Beltway) was constructed to the west and south, followed by commercial development to the east. At the time of the site investigation the subject property appeared as active agricultural lands in use for citrus and timber production, along with active rural, residential uses. The subject property consisted of four (4) plots of land separated by area rights-of-way (Boy Scout Road, Galway Boulevard and the Western Beltway). The lands consisted of a large, centrally located parcel, two (2) smaller parcels to the north and northeast and a small parcel to the southwest. The majority of the site was in use for citrus production at the time of the assessment. Lands used for timber production were observed within largest parcel (southern portion) and the northern parcel, along with a small area of pasturelands (southeast portion) and open/forested lands with no identifiable use (western, southwestern and southern portions). Wetlands/surface waters existed within the northwestern, northeastern, central and southern portions of the site. Two active (2) residential homesites were noted within the northern and eastern portions of the largest parcel. In addition, an abandoned homesite was observed within the southern portion of the largest parcel. The largest parcel also included a maintenance area at its eastern extent, and a barn and recreational area on its central and southern portions. Structures identified within the subject property included three (3) single-family residences, one (1) grove maintenance garage, one (1) equipment storage barn, one (1) equine stable, one (1) kitchen/dining structure, one (1) detached garage and five (5) ancillary structures. Other

improvements noted on the site at the time of the assessment included reclaimed water irrigation infrastructure, grove irrigation equipment, six (6) water wells (agricultural and residential use), three (3) septic systems, a dock, fencing, landscaping, electrical power line transmission poles and concrete, gravel and primitive trails/access roads. Currently adjoining the subject property are lands associated with a residential subdivision (Breckenridge - northeast), lands associated with occupied and vacant single-family homesites (north and northwest), commercial lands associated with occupied and vacant warehouse distribution facilities (Northwest Distribution Center and Quality Custom Distribution - east and southeast), lands associated with a hospital campus/facility (Adventist Health System/Sunbelt, Inc. - south beyond right-of-way), agricultural lands associated with a container plant nursery operation (Hooper's Landscape Nursery, Inc. - southwest), former agricultural lands last used for citrus production (west), open/forested lands with no identifiable use evident (south, southeast and northwest) and the Boy Scout Road (between parcels), Galway Boulevard (between parcels), South Binion Road (west), Ocoee Apopka Road (east), State Road 429 (southwest) and State Road 414 (south) rights-of-way and associated interchanges and stormwater management ponds. There were no notable visual observations of releases or other significant issues of concern to this assessment identified in association with the current uses of the subject property or immediately adjoining lands during the investigation conducted.

Based on interviews conducted, as well as a review of historical aerial photographs dating back to 1947, it appears that uses of the site have been limited to agricultural for citrus production, timber production and pasturelands, residential and industrial for borrow operations. Historical aerial review dating back to 1947 indicates that adjoining lands were, for the most part, associated with agricultural use for citrus crop production, undeveloped naturally vegetated uplands and wetlands, and rural residential homesites from prior to 1947 through the 1970s. Subsequent to the 1970s, it appears that some lands dedicated to citrus crop production were converted for timber production and pastureland uses. Additional residential uses appeared in the area during this time as well. In the early 2000s, State Road 451 was constructed in the area to the east, followed by larger scale residential developments to the north and southeast. In the early 2010s, State Road 429 (Western Beltway) was constructed to the west and south, followed by commercial development to the east. At the present time, the general area is a mixture of rural, residential and larger-scale residential development uses, commercial uses, agricultural uses for citrus production, pastureland, plant nurseries and pine plantations and area roadways. No heavy industrial uses on the properties immediately adjoining the subject site were identified on the available aerial photographs reviewed. In addition, there were no items of note or issues of concern to this assessment identified in association with the past uses of the subject property or immediately adjoining lands during the investigation.

A review of standard and additional Federal and State environmental records revealed one (1) adjoining SWF/LF listing (Itner Trash Site [aka Apopka Site]), one (1) area LUST listing (John's, Inc.) and one (1) area AST listing (Quality Custom Distribution) within radii of the subject site that were deemed appropriate for the area conditions.

7.2 Opinions

The following presents BTC opinion(s) of the data gaps encountered, as well as the impact on the subject property of conditions identified in Section 7.1 (Findings). This section details BTC's logic and reasoning in evaluating information collected during the course of investigation. Frequently, items initially considered to be a REC are subsequently determined, upon further evaluation, to not be considered a REC.

A review of standard and additional Federal and State environmental records revealed one (1) adjoining SWF/LF listing (Itner Trash Site [aka Apopka Site]), one (1) area LUST listing (John's, Inc.) and one (1) area AST listing (Quality Custom Distribution) within radii of the subject site that were deemed appropriate for the area conditions; however, these listings do not appear significant to the subject site and this assessment at this time based on public file information reviewed. While this is the case, it should be noted by the user that a moderate amount of hazardous and potentially hazardous substances (agrochemicals and petroleum containing materials) appeared to be in use at the site in association with for grove operations and equipment maintenance during the on-site assessment. These materials were observed within the grove maintenance garage and equipment storage barn on the site, as well as within a boneyard area for old equipment that exists on the property. Potentially hazard substances observed included new and used petroleum containing materials (motor oils, hydraulic fluids, lubricants, etc.), herbicides, insecticides, fungicides and fertilizers. With regards to the materials noted, they appeared to be properly stored/managed in an orderly manner with no significant visual signs of mishandling or significant releases in their vicinities during the investigation conducted.

Based on the above findings and opinions, this assessment revealed no RECs, no CRECs and no HRECs in connection with the subject property or adjoining properties that would warrant further investigation at this time. While this is the case, the user of this assessment should be aware of the following non-REC items (Business Environmental Risks, defined in ASTM E1527-13) prior to completing a commercial real estate transaction involving the property:

- Historical Agricultural Use–Current and past use of the subject property for agricultural purposes for citrus crop production over multiple decades

Through the review of historical record sources, particularly aerials dating in the period 1947 through 2019, portions of the uplands associated with the site were planted in citrus.

This current and past use is being noted due to the assumed ubiquitous use of controlled substances (pesticides, herbicides and fertilizers) commonly used in this type of operation, as well as the long time use of the lands for this purpose. It is important to note that the legal application (i.e., in accordance with manufacturer's specifications and customary practices) of such substances, in the course of standard operational practices does not constitute a "release to the environment" by definition. Structures were identified within the central portion of the site and wells/irrigation equipment were identified within the northern, central, southern and western portions the subject property through historic aerials and the on-site investigation that could represent potential agricultural chemical mixing/storage areas or areas where petroleum products may have been stored/handled. However, no reasonably ascertainable information was obtained during the course of our assessment, including historical records review, site reconnaissance observations, and regulatory record reviews, indicating that a past release had occurred on the site. Therefore, the mere presence of this current and historical land use does not meet the definition of a REC.

- Portion of subject property located within one of several FDEP delineated Groundwater Contamination Area Zones in Orange County, based on a potential for EDB contamination

Based on the location of the subject property and a noted past use of the site for citrus production, BTC reviewed the FDEP's Groundwater Contamination Areas database to assess the potential for EDB to have affected the groundwater in the area. The reviewed information identified the subject property as being partially located (northeastern portion of the subject property) within one of several zones associated with a known area of DEDB groundwater contamination, an associated 1000-foot DEDB contamination setback area or a known historical DEDB application area where data is limited, pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting in Delineated Areas. This area EDB site is identified by the FDEP as Zone #48263145. Such locations are subject to restrictions against any additional development of groundwater wells for the purposes of providing potable water. No direct evidence was encountered during the course of this investigation that EDB impacts to groundwater have been identified within the site boundaries or on immediately adjoining properties, and therefore no REC is identified. However, the user should be aware of the position of the site within an apparent EDB "setback area" area when considering property development activities.

7.3 Data Gaps

The following data gaps were encountered by BTC during the course of the Phase I ESA:

- Historical ownership (chain-of-title) information was not provided to BTC by the user of this assessment. The absence of historic ownership information does not appear to significantly affect the ability of BTC to identify RECs in connection with the subject property due to the availability of relevant information from other sources. Based on

a review of available historical aerial photographs (dating from 1947 through 2019), as well as information gathered via interviews and during our site visit, it appears that past/present owners of the subject lands, to at least the mid-1940s, have used the property for agricultural purposes for citrus and timber production and pasture, rural residential purposes and as a borrow site/pit for area roadway construction. Based on this information, it appears that no past owners of the subject lands represented entities of heavy industrial, chemical production, or waste disposal repositories.

- Interviews with past owners were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (agricultural uses for citrus production, timber production and pasturelands, residential uses and for borrow pit operation) and the length of time associated with the some of the current owners, interviews with past owners were not considered necessary as part of this investigation. The absence of past owner provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

- As required by ASTM E 1527-13 (8.3.2), a definitive identification of obvious uses of the subject property from the present back to the property's first developed use, or back to 1940, whichever is earlier, was not achievable during the course of this assessment. This was due to the availability of reasonably ascertainable standard historical sources for the area (historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, property tax files, land title records, local street directories, etc...). Our review of available historical resources only identified information for the site and immediate area dating back to 1947, at which time the subject property appeared in use for citrus production and possible rural, residential uses. It was assumed by the environmental professional that the noted uses of the site for citrus production and rural, residential purposes were the first "developed" uses based on limited local knowledge. Based on this, and in the opinion of the environmental professional, this data gap does not constitute a data failure with regards to this assessment.

7.4 Conclusions

BTC has performed a Phase I ESA, in general conformance with the scope and limitations of ASTM Practice E 1527-13, of the 15 parcels, identified by Orange County as #17-21-28-0000-00-015, #17-21-28-0000-00-030, #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #17-21-28-0000-00-028, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-008, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023, #17-21-28-0000-00-012, #17-21-28-0000-00-006 and #17-21-28-0000-00-010, which comprise the approximately 372.5-acre Bronson Apopka Site, the subject property. Any exceptions to, or deletions from, this practice are described in Section 2.8 of this report. This assessment has revealed no RECs, no CRECs and no HRECs in association with the subject property.

SECTION 8.0
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312 (see Appendix E).

and

I have specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject site. I have developed and performed the all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312.

Bill Keenan
Project Manager
INSTEP-LEP #381

Joseph Galletti
Vice President
INSTEP-LEP #123/NREP-REPA #5898

SECTION 9.0
ADDITIONAL SERVICES

No additional services, outside the scope of ASTM International's Standard Practice E 1527-13, were requested by the user of this assessment.

SECTION 10.0
REFERENCES

The following is a list of literature, agencies and/or individuals utilized in the preparation of this report.

1. SSURGO Soils Map of Orange County, Florida, United States Department of Agriculture, Natural Resource Conservation Service

2. Hydric Soils of Florida Handbook (4th ed.) - Florida Association of Environmental Soil Scientist, Gainesville, FL 32635

3. Environmental Data Resources, Inc.

4. USGS 7.5 Minute Topographic Map – Apopka, Florida Quadrangle – 1960

5. USGS 7.5 Minute Topographic Map – Apopka, Florida Quadrangle – 1960 (Photorevised 1980)

6. ASTM International's Standard E 1527-13: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

7. Florida Department of Environmental Protection's Division of Waste Management OCULUS System

8. University of Florida - Publication of Archival, Library & Museum Materials

9. Florida Department of Transportation

10. Woodward and Clyde Consultants (1995) Cattle dip vat assessment program: A summary report. Prepared for the Florida Department of Environmental Protection.

11. Michael R. Clark, Dames & Moore, Dipping Vat Removal-Limiting Liability. Tallahassee, Florida

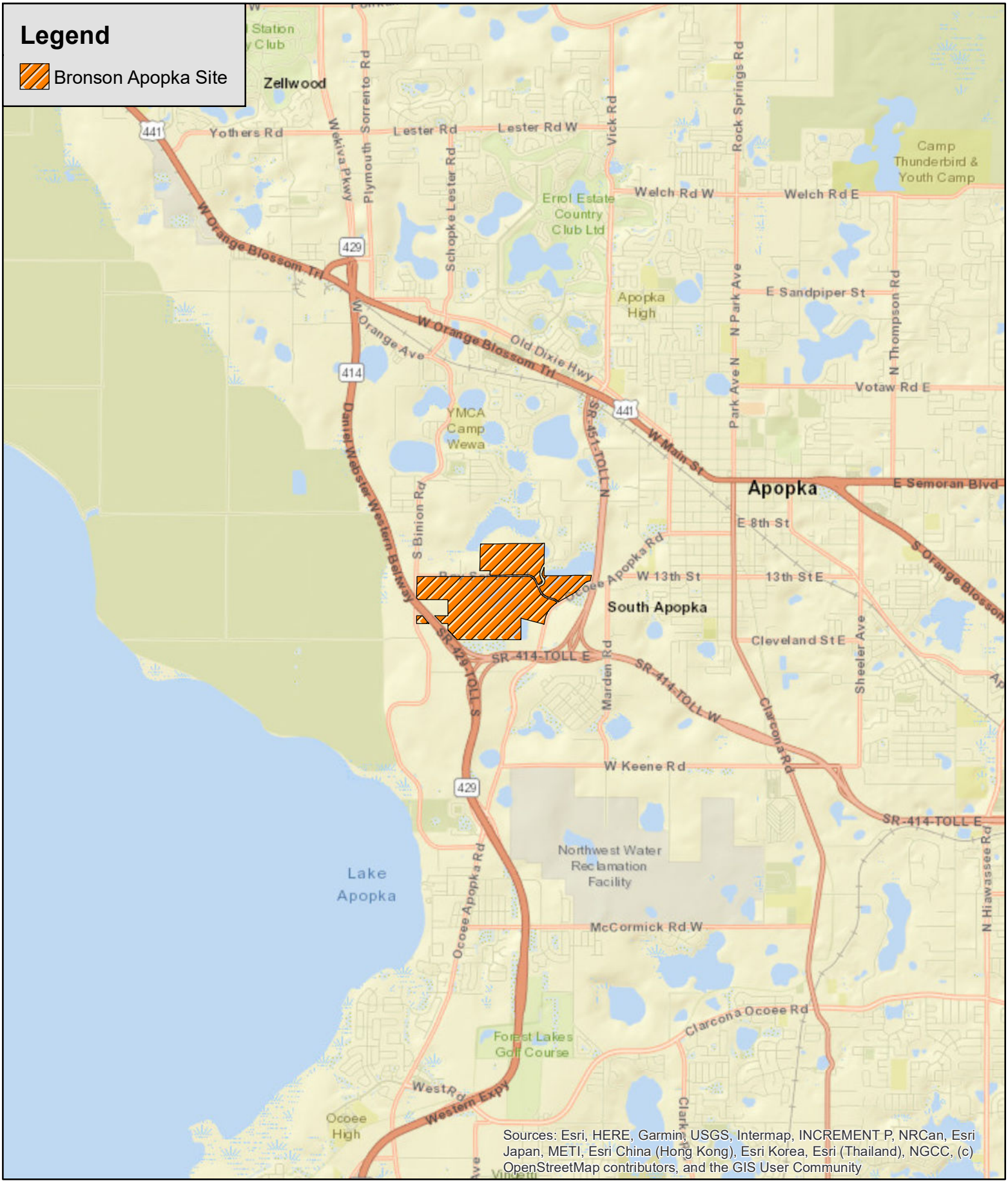
12. Chip Bryan, Senior Vice President – Centerline Capital Advisors, Representative for the User of Phase I ESA Report

13. Troy Bronson and John and Donna Kirkland, Owners – Binion Partners, LLC, John and Donna Marie Robertson Kirkland, Troy S. Bronson Family LP and Ruth Ina Bronson Trust ½ Interest and Troy S Bronson Trust ½ Interest, Representatives for the Owners of the Subject Property

14. Robert S. Kazaros, Jr., Trustee – Emma G. Kazaros Trust, Representative for the Owner of the Subject Property

15. Daryl M. Carter., Trustee – Daryl M. Carter Trust, Representative for the Owner of the Subject Property

Figures



Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

Bronson Apopka Site
Orange County, Florida
Figure 1
Location Map

N W E S

1 Miles

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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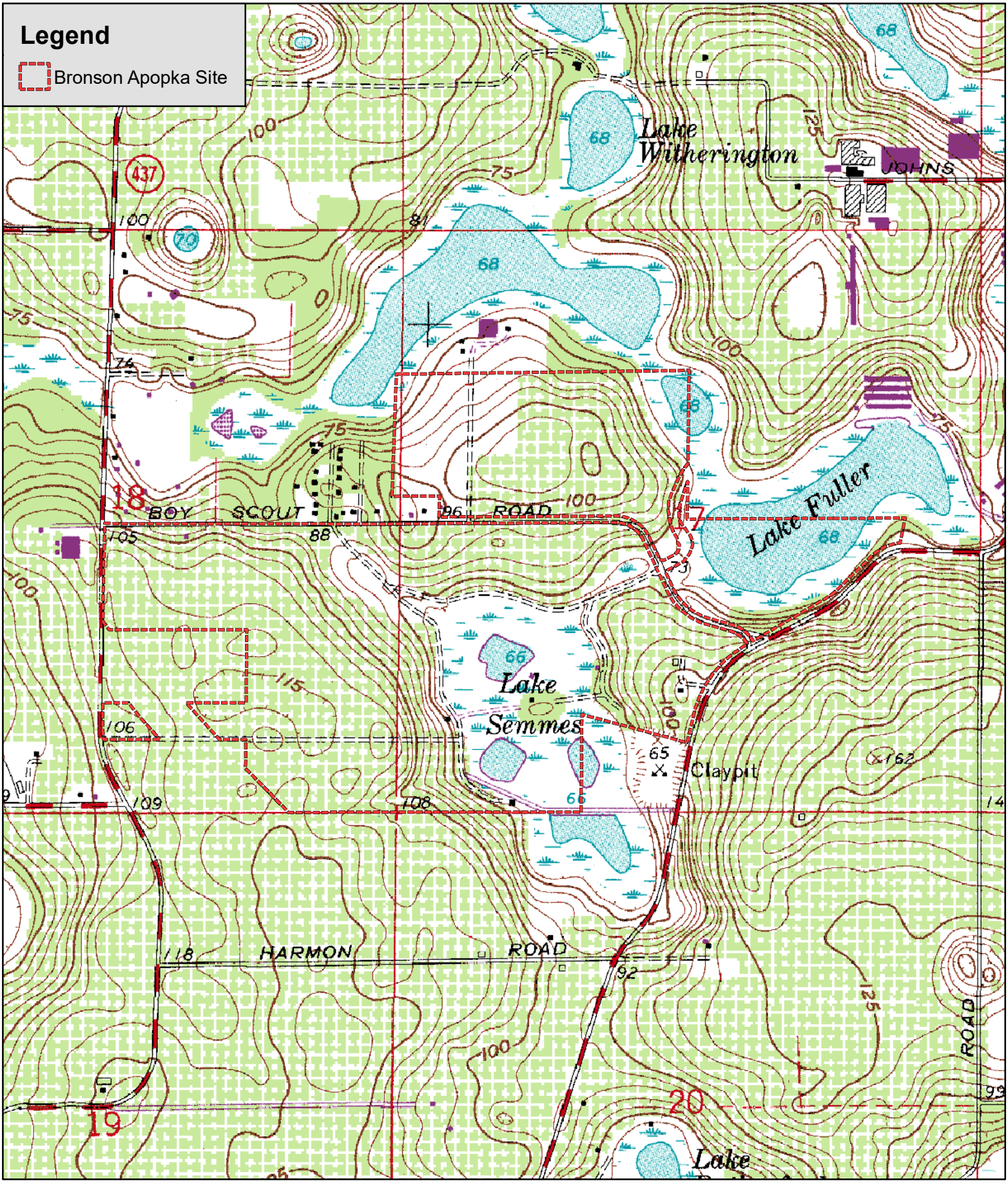
Bronson Apopka Site
Orange County, Florida
Figure 2
SSURGO Soils Map

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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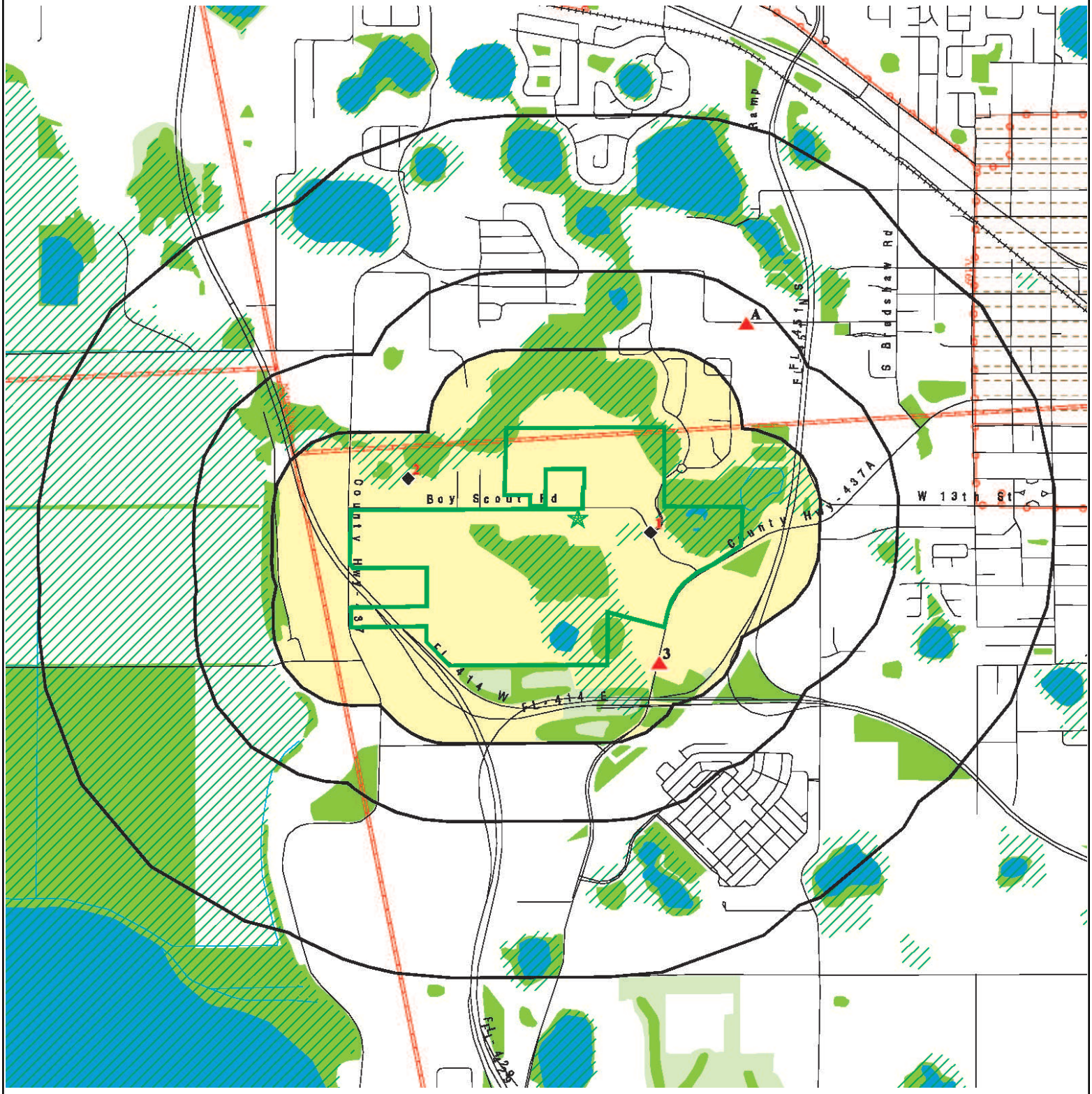
Bronson Apopka Site
Orange County, Florida
Figure 3
USGS Topographic Map

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Figure 4
EDR Site Search Map

N
W E
S

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020

Appendices

Appendix A

User Provided Information and Interview Documentation

PHASE I ESA USER QUESTIONNAIRE
Bronson Apopka Site
Apopka, Orange County, Florida
Parcel IDs #17-21-28-0000-00-015, #17-21-28-0000-00-030, #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #17-21-28-0000-00-028, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-008, #20-21-28-0000-00-006, #20-21-28-0000-00-005, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023 and #17-21-28-0000-00-012
1920, 1901 and 1516 Boy Scout Road, 1209, 1251 and 1403 South Binion Road, 1400 Ocoee-Apopka Road, 1900 Emery Road and 1819 Harmon Road
Apopka, Florida 32703
October 2019

In order to qualify for one of *the Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the user must conduct the following inquiries required by 40 CFR 312.25, 312.26, 312.28, 312.29, 312.30, and 312.31. These inquires must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

User of Phase I ESA: **Centerline Capital Advisors**

(1.) Environmental cleanup liens that are filed or recorded against the property (40 CFR 312.25).
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? If so, please provide any available documentation.

NONE

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? If so, please provide any available documentation.

NONE

(3.) Specialized knowledge or experience of the entity seeking to qualify for the LLP (40 CFR 312.28).
As the user of this ESA, do you have any specialized knowledge or experience related to the property or of nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of any chemicals and/or processes used with this type of property?

NO

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for the property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

YES

(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the property that would help identify conditions indicative of releases or threatened releases? For example,

(a) Do you know the past uses of the property?

YES
CITRUS AGRICULTURE

(b) Do you know of specific chemicals that are present or once were present at the property?

NO

(c) Do you know of any spills or other chemical releases that have taken place at the property?

NO

(d) Do you know of any environmental cleanups that have taken place at the property?

NO

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

AG USE

ADDITIONAL REQUESTED INFORMATION

(A.) Reason for performing Phase I ESA. Please include the type of transaction (sale, purchase, exchange, etc...).

PRE-PURCHASE INSPECTION

(B.) Please identify all parties that will rely on the completed Phase I ESA.

CENTERLINE CAPITAL ADVISORS

(C.) Please identify the property owner(s) and any known occupants and/or key site managers.

JOHN KIRKLAND - ON SITE MGR.
TROY "STUART" BRONSON - OWNER

(D.) Please provide any other knowledge or experience with the property that may be pertinent (for example, copies of any available prior environmental site assessment report, documents, chain-of-title reports, correspondence etc., concerning the property and its environmental condition).

Completed by: CHIP BRYAN

Title: SVP

Company: CENTERLINE CAPITAL ADV.

Date: 10.28.19

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site
Apopka, Orange County, Florida
Parcel IDs #17-21-28-0000-00-015 and #17-21-28-0000-00-030
1920 Boy Scout Road
Apopka, Florida 32703
October 2019

Owner: **John and Donna Marie Robertson Kirkland**

Ownership Timeframe: 1997 - 2019

(1.) Uses of the property.
What have been the uses of the property during your ownership?

Residental & Citrus Tree's

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

Citrus

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

No

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

No

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

No

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

No

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

Septic & well - yes

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

No

(b) Do you know of any environmental cleanups that have taken place at the property?

No

(9.) Local Information.
Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No

(10.) Environmental Liens.
Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

No

Completed by: Jon & Dona Kirkland

Title: Owner

Company: N/A

Date: 10/19/19

Contact Phone Number: 407-832-4948

Contact e-Mail Address: JKirkland956@Gmail.com

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site
Apopka, Orange County, Florida
Parcel ID #17-21-28-0000-00-008
1900 Emery Road
Apopka, Florida 32703
October 2019

Owner: **Binion Partners, LLC**

Ownership Timeframe: 17 years

(1.) Uses of the property.
What have been the uses of the property during your ownership?

We planted pines

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

It was a Citrus Grove when we had the bad cold in the early 80's, They to the plant back.

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

No

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

No

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

No

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

No

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

No

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

No

(b) Do you know of any environmental cleanups that have taken place at the property?

No

(9.) Local Information.
Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No

(10.) Environmental Liens.
Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

No

Completed by: Troy S Bass

Title: Owner

Company: Bisson Partners

Date: 10/21/19

Contact Phone Number: 407-869-4357

Contact e-Mail Address: _____

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site
Apopka, Orange County, Florida
Parcel ID #17-21-28-0000-00-018
1400 Ocoee-Apopka Road
Apopka, Florida 32703
October 2019

Owner: **Ruth Ina Bronson Trust ½ Interest and Troy S Bronson Trust ½ Interest**

Ownership Timeframe: 43 years

(1.) Uses of the property.
What have been the uses of the property during your ownership?

Home

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

Do not know

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

No

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

No

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

No

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

No

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

Yes We have one Septic now + a well to supply home

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

No

(b) Do you know of any environmental cleanups that have taken place at the property?

No

(9.) Local Information.
Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No

(10.) Environmental Liens.
Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

NO

Completed by: Tracy L Brown

Title: Home Owner

Company:

Date: 10/21/19

Contact Phone Number: 407-889-4357

Contact e-Mail Address:

Check

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site
Apopka, Orange County, Florida
Parcel IDs #18-21-28-0000-00-014, #18-21-28-0000-00-013, #17-21-28-0000-00-007, #18-21-28-0000-00-073, #18-21-28-0000-00-032, #17-21-28-0000-00-017, #17-21-28-0000-00-018, #17-21-28-0000-00-023 and #17-21-28-0000-00-012
1920, 1901 and 1516 Boy Scout Road, 1209, 1251 and 1403 South Binion Road and Ocoee-Apopka Road
Apopka, Florida 32703
October 2019

Owner: **Troy S. Bronson Family LP**

Ownership Timeframe: 43 years

(1.) Uses of the property.
What have been the uses of the property during your ownership?

Citrus & Woods

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

Citrus

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

Yes we have a above ground Tank at the barn

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

No

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

No

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

No

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

Water is supplied by city to water Grove
We have ~~two~~ (2) wells to water grove, One on North side of boy scout & one on ~~side~~ South side of boy scout

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

No

(b) Do you know of any environmental cleanups that have taken place at the property?

No

(9.) Local Information.
Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No

(10.) Environmental Liens.
Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

NO

Completed by: Tracy L Brown

Title: General ~~Home~~ Partner

Company: Tracy L Brown FLP

Date: 10/21/19

Contact Phone Number: 407-889-4357

Contact e-Mail Address: _____

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site (Additional Parcels)
Apopka, Orange County, Florida
Parcel ID(s) #17-21-28-0000-00-010
1280 Ocoee Apopka Road
Apopka, Florida 32703
January 2020

Owner: M. L. Carter Services, Inc, Trustee of Carter Ocoee-Apopka Land Trust ~~**Daryl M. Carter Trust**~~

Ownership Timeframe: 07/10/2000 - Current

(1.) Uses of the property.
What have been the uses of the property during your ownership?

Vacant land

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

No.

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

Unknown

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

Unknown

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

Unknown

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

Unknown

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

Unknown

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

Unknown

(b) Do you know of any environmental cleanups that have taken place at the property?

Unknown

(9.) Local Information.

Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No.

(10.) Environmental Liens.

Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No.

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

No.

Completed by: Daryl M Carter

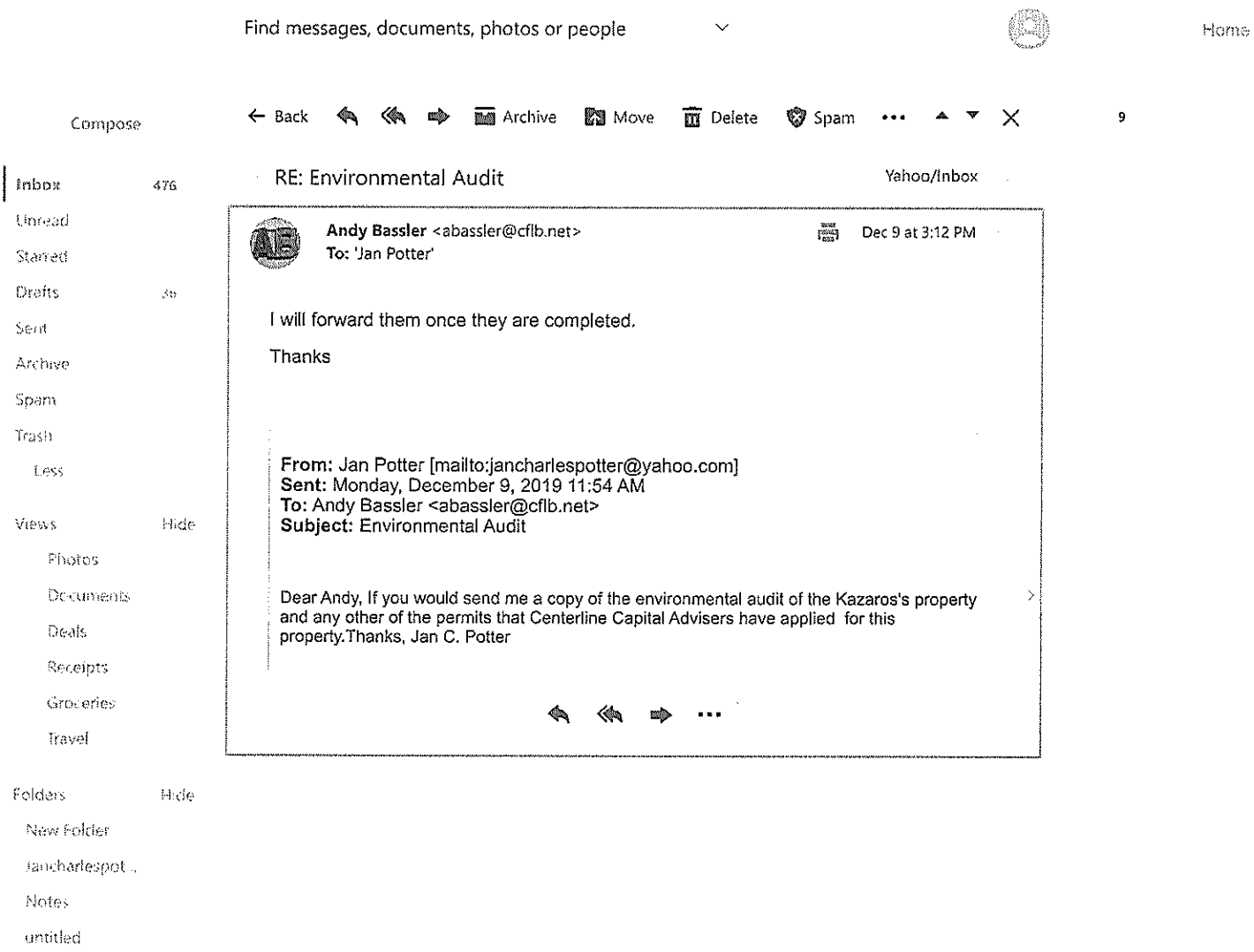
Title: President of M.L. Carter Services, Inc

Company: as Trustee of Carter Ocoee-Apopka Land Trust

Date: 01/30/2020

Contact Phone Number: 407 422 3144

Contact e-Mail Address: dcarter@maurycarter.com


Find messages, documents, photos or people
Home
Compose
Back
Archive
Move
Delete
Spam
9
Inbox 476
Unread
Starred
Drafts
Sent
Archive
Spam
Trash
Less
Views Hide
Photos
Documents
Deals
Receipts
Groceries
Travel
Folders Hide
New Folder
jancharlespot ..
Notes
untitled
RE: Environmental Audit
Yahoo/Inbox
Andy Bassler <abassler@cflb.net>
To: 'Jan Potter'
Dec 9 at 3:12 PM
I will forward them once they are completed.
Thanks
From: Jan Potter [mailto:jancharlespotter@yahoo.com]
Sent: Monday, December 9, 2019 11:54 AM
To: Andy Bassler <abassler@cflb.net>
Subject: Environmental Audit
Dear Andy, If you would send me a copy of the environmental audit of the Kazaros's property and any other of the permits that Centerline Capital Advisers have applied for this property.Thanks, Jan C. Potter

PHASE I OWNER QUESTIONNAIRE
Bronson Apopka Site (Additional Parcels)
Apopka, Orange County, Florida
Parcel ID(s) #17-21-28-0000-00-006
1879 Boy Scout Road
Apopka, Florida 32703
January 2020

Owner: **Emma G. Kazaros Trust**

Ownership Timeframe: 1962 to Present Jan. 30, 2020

(1.) Uses of the property.
What have been the uses of the property during your ownership?

Citrus Grove – then planted in pine trees in year 2000.

(2.) Past Uses of the property.
Do you know the uses of the property prior to your ownership? (Please list specific businesses and activities conducted on the sites if possible)

Citrus

(3.) Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property? These include any type of fuel (gasoline, diesel, heating fuel/oil, etc…) or hazardous material storage units.

None –

(4.) Previous Storage Tanks.
Are you aware of any aboveground or underground storage tanks on the property prior to your ownership?

None

(5.) Chemical Use/Storage.
Are you aware of any significant chemical use or storage on the property during the time of your ownership or prior to your ownership? If so, please provide specific chemical names and where utilized/stored on the property.

NONE

(6.) Cattle Dip Vats.
Are you aware of any past/present cattle dip vats on the site? If so, please provide specific location(s), if known.

None

(7.) Water and Sewer.
Is the property supplied with city/county water and sewer or do they include onsite wells and septic systems? To your knowledge, have the sites ever had septic systems?

No water or Sewer
Private Well

(8.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

(a) Do you know of any spills or other chemical releases that have taken place at the property?

None

(b) Do you know of any environmental cleanups that have taken place at the property?

None

(9.) Local Information.
Have you ever been informed by a nearby property owner or the Florida Department of Environmental Protection (FDEP) about groundwater contamination that may be migrating onto your property from an off-site source?

No

(10.) Environmental Liens.
Are you aware of any environmental cleanup liens that were filed or recorded against the property?

No

(11.) Activity and land use limitations (AULs).
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls for the property that were filed or recorded in a registry?

No

Completed by: Robert S Kazaros Jr
ROBERT S. KAZAROS, JR. TRUSTEE

Title: CO-TRUSTEE/EMMA G. KAZAROS TRUST

Company: —

Date: JANUARY 31, 2020

Contact Phone Number: 407.948.5396

Contact e-Mail Address: CITRUS PLUS INC. @ ATT. NET

Appendix B

Environmental Data Resources, Inc.
EDR Radius Map Report

Bronson Apopka Site
1920 Boy Scout Road
Apopka, FL 32703

Inquiry Number: 5830573.2s
October 15, 2019

The EDR Radius Map™ Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Orphan Summary	19
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1920 BOY SCOUT ROAD
APOPKA, FL 32703

COORDINATES

Latitude (North):	28.6614130 - 28° 39' 41.08''
Longitude (West):	81.5385660 - 81° 32' 18.83''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	447372.2
UTM Y (Meters):	3170418.2
Elevation:	87 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5656101 APOPKA, FL
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20151123
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1920 BOY SCOUT ROAD
APOPKA, FL 32703

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	BRECKENRIDGE		FINDS	Lower	1 ft.
2	ITNER TRASH SITE (AK	2MI W ON SR437A	SWF/LF	Lower	533, 0.101, WNW
3	QUALITY CUSTOM DISTR	1501 OCOEE APOPKA RD	AST	Higher	610, 0.116, SSE
A4	EATONVILLE TOWN	KENNEDY BLVD	LUST, UST	Higher	1989, 0.377, NE
A5	JOHNS INC	800 JOHNS RD	LUST, UST, AST	Higher	2237, 0.424, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS Florida's State-Funded Action Sites

State and tribal leaking storage tank lists

LAST Leaking Aboveground Storage Tank Listing
INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FF TANKS Federal Facilities Listing
FEMA UST Underground Storage Tank Listing
UST Storage Tank Facility Information
INDIAN UST Underground Storage Tanks on Indian Land
TANKS Storage Tank Facility List

State and tribal institutional control / engineering control registries

ENG CONTROLS Institutional Controls Registry
INST CONTROL Institutional Controls Registry

State and tribal voluntary cleanup sites

VCP Voluntary Cleanup Sites
INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS Brownfields Sites Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY Recycling Centers
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
ODI Open Dump Inventory
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register

PRIORITYCLEANERS	Priority Ranking List
Fl Sites	Sites List
US CDL	National Clandestine Laboratory Register
PFAS	PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Oil and Hazardous Materials Incidents
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing

AIRS ---------- Permitted Facilities Listing
ASBESTOS ---------- ASBESTOS
CLEANUP SITES ---------- DEP Cleanup Sites - Contamination Locator Map Listing
DEDB ---------- Ethylene Dibromide Database Results
DRYCLEANERS ---------- Drycleaning Facilities
DWM CONTAM ---------- DWM CONTAMINATED SITES
Financial Assurance ---------- Financial Assurance Information Listing
FL Cattle Dip. Vats ---------- Cattle Dipping Vats
RESP PARTY ---------- Responsible Party Sites Listing
SITE INV SITES ---------- Site Investigation Section Sites Listing
TIER 2 ---------- Tier 2 Facility Listing
UIC ---------- Underground Injection Wells Database Listing
NPDES ---------- Wastewater Facility Regulation Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's Facility Directory (Solid Waste Facilities).

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within

approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ITNER TRASH SITE (AK	2MI W ON SR437A	WNW 0 - 1/8 (0.101 mi.)	2	8
Database: SWF/LF, Date of Government Version: 07/16/2019				
Facility-Site Id: 22044				
Class Status: NFA,NO FURTHER ACTION (F)				

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 07/30/2019 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EATONVILLE TOWN	***KENNEDY BLVD***	***NE 1/4 - 1/2 (0.377 mi.)***	***A4***	***10***
JOHNS INC	***800 JOHNS RD***	***NE 1/4 - 1/2 (0.424 mi.)***	***A5***	***14***

State and tribal registered storage tank lists

AST: Shortly after the Sept 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
QUALITY CUSTOM DISTR	1501 OCOEE APOPKA RD	SSE 0 - 1/8 (0.116 mi.)	3	9
Database: AST, Date of Government Version: 05/17/2019				
Facility Status: OPEN				
Facility-Site Id: 9816027				
Facility Status: OPEN				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to

manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

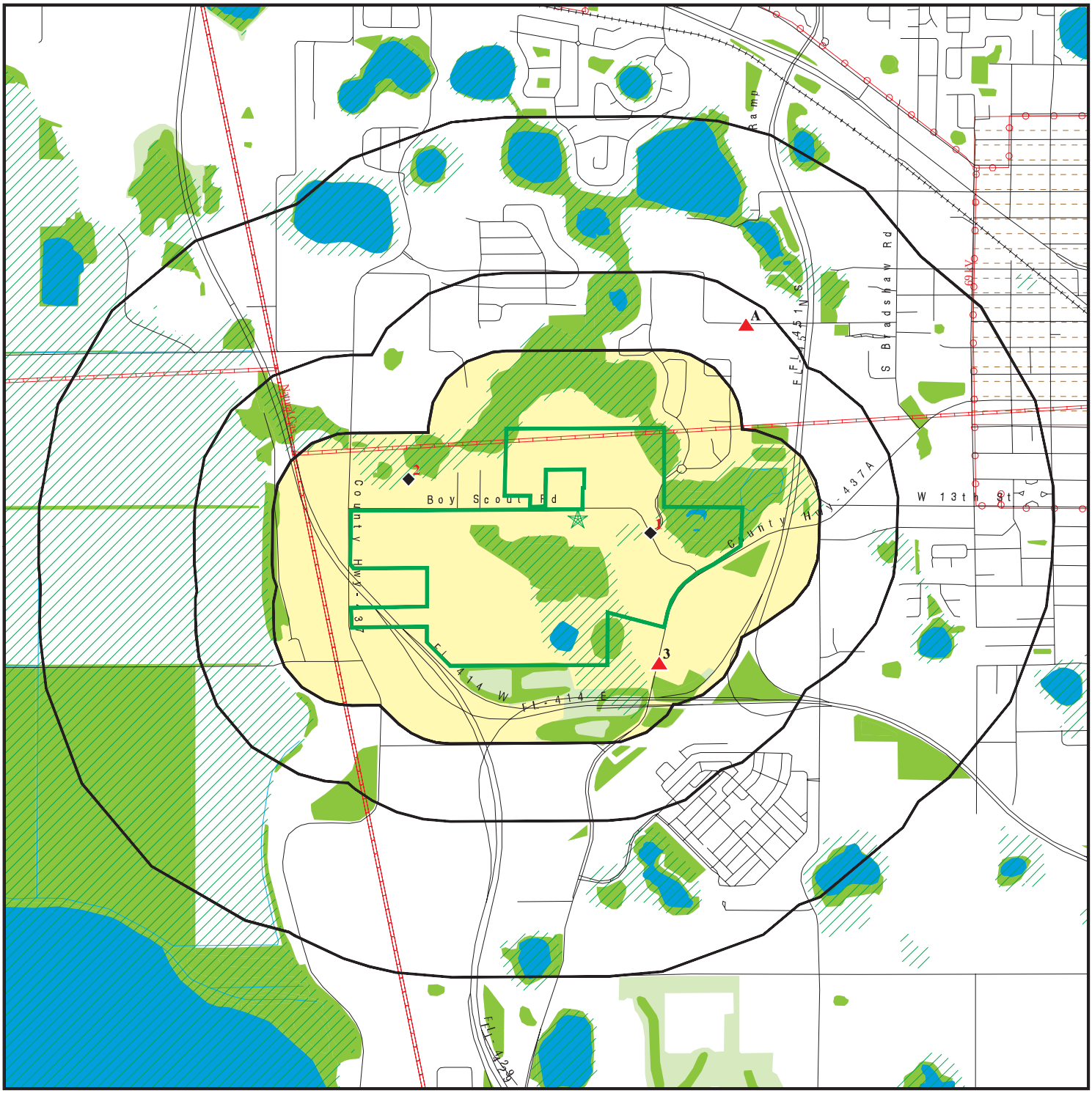
A review of the FINDS list, as provided by EDR, and dated 05/03/2019 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRECKENRIDGE Registry ID:: 110035512264		0 - 1/8 (0.000 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5830573.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bronson Apopka Site ADDRESS: 1920 Boy Scout Road Apopka FL 32703 LAT/LONG: 28.661413 / 81.538566	CLIENT: Bio-Tech Consulting, Inc. CONTACT: Joseph Galletti INQUIRY #: 5830573.2s DATE: October 15, 2019 4:48 pm

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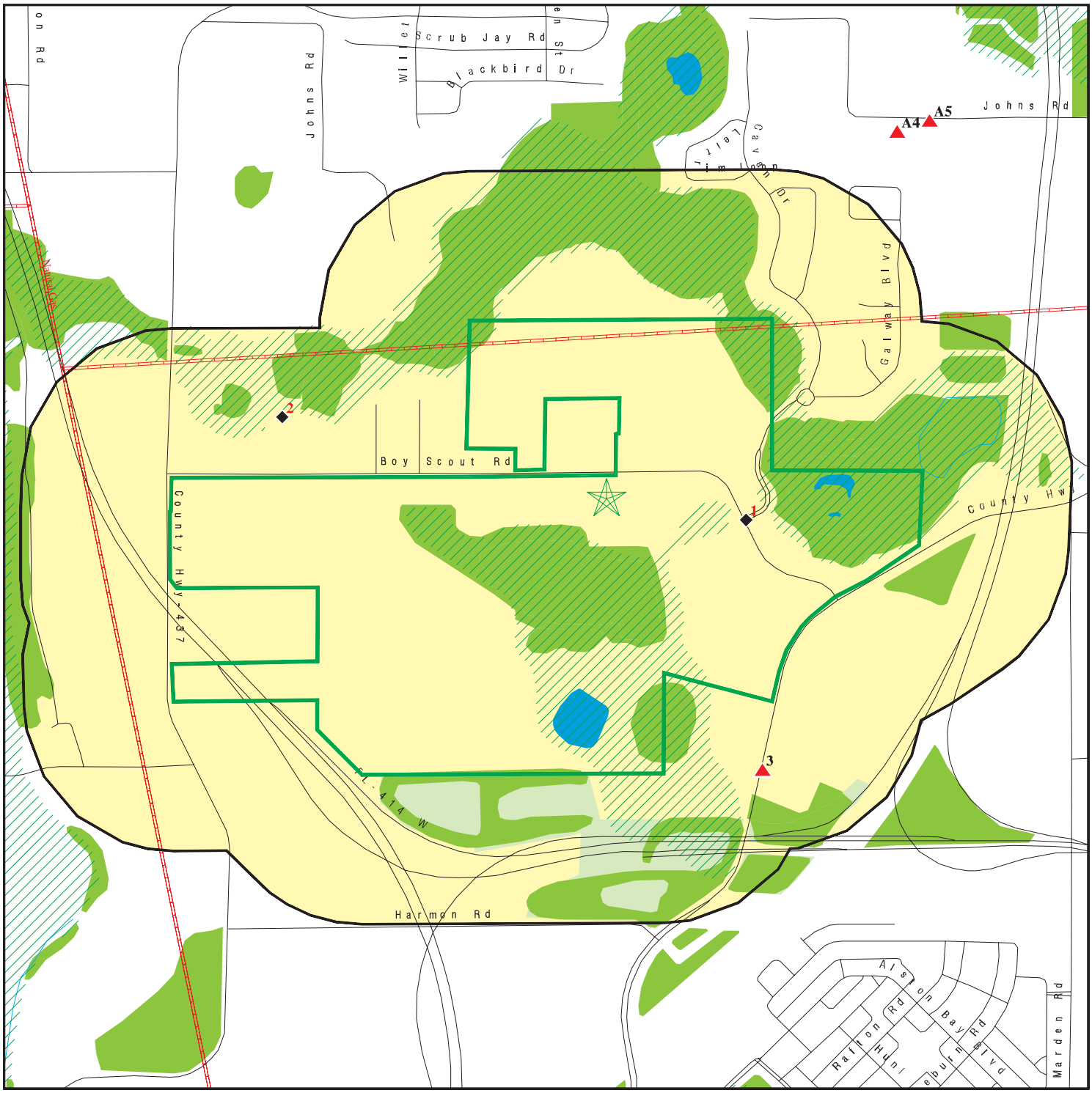
DETAIL MAP - 5830573.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
Sensitive Receptors
National Priority List Sites
Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA
Pipelines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Bronson Apopka Site	CLIENT:	Bio-Tech Consulting, Inc.
ADDRESS:	1920 Boy Scout Road Apopka FL 32703	CONTACT:	Joseph Galletti
LAT/LONG:	28.661413 / 81.538566	INQUIRY #:	5830573.2s
		DATE:	October 15, 2019 4:51 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	0	0	NR	NR	1
State and tribal leaking storage tank lists								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	2	NR	NR	2
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FF TANKS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	0	NR	NR	0
Fl Sites	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		1	NR	NR	NR	NR	1
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CLEANUP SITES	0.001		0	NR	NR	NR	NR	0
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500		0	0	0	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
RESP PARTY	0.500		0	0	0	NR	NR	0
SITE INV SITES	0.500		0	0	0	NR	NR	0
TIER 2	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	3	0	2	0	0	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **BRECKENRIDGE** **FINDS** **1009456626**
N/A

< 1/8 **APOPKA, FL 32703**
1 ft.

FINDS:

Relative:
Lower

Registry ID: 110035512264

Actual:
71 ft.

Environmental Interest/Information System
Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

---

2 **ITNER TRASH SITE (AKA APOPKA SITE)** **SWF/LF** **S100020809**
WNW **2MI W ON SR437A** **N/A**
< 1/8 **APOPKA, FL 32703**
0.101 mi.
533 ft.

Relative:
Lower

SWF/LF:

Actual:
70 ft.

Name:	ITNER TRASH SITE (AKA APOPKA SITE)
Address:	2MI W ON SR437A
City,State,Zip:	APOPKA, FL 32703
Facility ID:	22044
District:	CD
Lat/Long:	28:39:48 / 81:32:51
Class Type:	310
Classification:	YARD TRASH DISPOSAL FACILITY
Class Status:	NFA,NO FURTHER ACTION (F)
Section:	17
Township:	21S
Range:	28E
Responsible Authority Name:	CITY OF APOPKA
Responsible Authority Address:	CITY HALL
Responsible Authority City,St,Zip:	APOPKA, FL 32703
Responsible Authority Phone:	4078892594
EMail Address1:	Not reported
EMail Address2:	Not reported
Site Supervisor Name:	Not reported
Site Supervisor Addr:	Not reported
Site Supervisor City/State/Zip:	Not reported
Site Supervisor Telephone:	Not reported
Land Owner Name:	CITY OF APOPKA
Land Owner Address:	CITY HALL
Land Owner City/State/Zip:	APOPKA, FL 32703
Land Owner Telephone:	Not reported

Click here for Florida Oculus:

3
SSE
< 1/8
0.116 mi.
610 ft.

QUALITY CUSTOM DISTRIBUTION
1501 OCOEE APOPKA RD
APOPKA, FL 32703

AST **A100455081**
N/A

Relative:
Higher

Actual:
94 ft.

AST:

Name:	QUALITY CUSTOM DISTRIBUTION
Address:	1501 OCOEE APOPKA RD
Facility ID:	9816027
Facility Status:	OPEN
Type Description:	Fuel user/Non-retail
Facility Phone:	3212487581
DEP Contractor Own:	C
Region:	STATE
Positioning Method:	Not reported
Lat/Long (dms):	Not reported

Owner:

Owner Id:	76205
Owner Name:	QUALITY CUSTOM DISTRIBUTION
Owner Address:	1501 OCOEE APOPKA RD
Owner Address 2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Owner Contact:	BRANDON ELLISON
Owner Phone:	3212487581

Tank Id:	1
Status:	In service
Status Date:	1/1/2018
Install Date:	1/1/2018
Substance:	Diesel-emergen generator
Content Description:	Emerg Generator Diesel
Gallons:	2800
Tank Location:	ABOVEGROUND

Construction:

Tank Id:	1
Construction Category:	Overfill/Spill
Construction Description:	Level gauges/alarms

Tank Id:	1
Construction Category:	Primary Construction
Construction Description:	Steel

Tank Id:	1
Construction Category:	Secondary Containment
Construction Description:	Double wall

Tank Id:	1
Construction Category:	Overfill/Spill
Construction Description:	Spill containment bucket

Monitoring:

Tank ID:	1
Monitoring Description:	Visual inspection of ASTs

Tank ID:	1

QUALITY CUSTOM DISTRIBUTION (Continued) **A100455081**

Monitoring Description: Continuous electronic sensing

Tank ID: 1
Monitoring Description: Monitor dbl wall tank space

Piping:
Tank ID: 1
Piping Category: Primary Construction
Piping Description: Approved synthetic material

Tank ID: 1
Piping Category: Miscellaneous Attributes
Piping Description: Abv, no soil contact

Click here for Florida Oculus:

A4 **EATONVILLE TOWN** **LUST U001364726**
NE **KENNEDY BLVD** **UST N/A**
1/4-1/2 **EATONVILLE, FL 32751**
0.377 mi.
1989 ft. **Site 1 of 2 in cluster A**

Relative: Higher
Actual: 123 ft.

LUST:
Region: STATE
Facility Id: 8629747
Facility Status: CLOSED
Facility Type: H - Local Government
Facility Phone: (305)647-0061
Facility Cleanup Rank: Not reported
District: Central District
Lat/Long (dms): 28 37 6.558 / 81 22 53.2004
Section: Not reported
Township: Not reported
Range: Not reported
Feature: Not reported
Method: UNVR
Datum: 0
Score: 73
Score Effective Date: 1997-11-04 00:00:00
Score When Ranked: Not reported
Operator: TOWN OF EATONVILLE
Name Update: 2000-05-30 00:00:00
Address Update: Not reported

Petroleum Cleanup PCT Facility Score:
Facility Cleanup Status: CMPL - COMPLETED
Contact: WILLIE COOPER
Contact Company: EATONVILLE TOWN
Contact Address: KENNEDY BLVD
Contact City/State/Zip: EATONVILLE, FL 32751
Phone: (305)647-0061
Bad Address Ind: N
State: FL
Zip: 32751
Score: 73
Score Effective Date: 1997-11-04 00:00:00
Related Party ID: 6343

EATONVILLE TOWN (Continued) **U001364726**

Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	1986-12-04
RP Zip:	Not reported
RP Extension:	Not reported

Discharge Cleanup Summary:

Discharge Date:	6/19/1991
PCT Discharge Combined:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	SRCR - SRCR COMPLETE
Disch Cleanup Status Date:	2/13/1998
Cleanup Work Status:	COMPLETED
Information Source:	A - ABANDONED TANK RESTORATION
Other Source Description:	Not reported
Eligibility Indicator:	E - ELIGIBLE
Site Manager:	Not reported
Site Mgr End Date:	Not reported
Tank Office:	-

Petroleum Cleanup Program Eligibility:

Facility ID:	8629747
Discharge Date:	6/19/1991
Pct Discharge Combined With:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	SRCR - SRCR COMPLETE
Disch Cleanup Status Date:	2/13/1998
Cleanup Work Status:	COMPLETED
Information Source:	A - ABANDONED TANK RESTORATION
Other Source Description:	Not reported
Application Received Date:	7/19/1991
Cleanup Program:	A - ABANDONED TANK RESTORATION PROGRAM
Eligibility Status:	8/6/1991
Elig Status Date:	8/6/1991
Letter Of Intent Date:	7/19/1991
Redetermined:	No
Inspection Date:	6/19/1991
Site Manager:	Not reported
Site Mgr End Date:	Not reported
Tank Office:	-
Deductible Amount:	500
Deductible Paid To Date:	500
Co-Pay Amount:	0
Co-Pay Paid To Date:	0
Cap Amount:	Not reported

Task Information:

District:	CD
Facility ID:	8629747
Facility Status:	CLOSED
Facility Type:	H - Local Government -
County:	ORANGE
County ID:	48
Cleanup Eligibility Status:	E
Source Effective Date:	01-29-1998
Discharge Date:	06-19-1991
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	SRCR - SRCR COMPLETE
Disch Cleanup Status Date:	02-13-1998

EATONVILLE TOWN (Continued) **U001364726**

SRC Action Type:	SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date:	12-16-1997
SRC Review Date:	01-04-1998
SRC Completion Status:	A - APPROVED
SRC Issue Date:	02-13-1998
SRC Comment:	Not reported
Cleanup Work Status:	COMPLETED
Site Mgr:	Not reported
Site Mgr End Date:	Not reported
Tank Office:	-
SR Task ID:	20008
SR Cleanup Responsible:	-
SR Funding Eligibility Type:	-
SR Actual Cost:	$6,358.48
SR Completion Date:	10-17-1991
SR Payment Date:	11-18-1993
SR Oral Date:	Not reported
SR Written Date:	Not reported
SR Soil Removal:	Y
SR Free Product Removal:	Not reported
SR Soil Tonnage Removed:	616
SR Soil Treatment:	Not reported
SR Other Treatment:	Not reported
SR Alternate Proc Received Date:	Not reported
SR Alternate Procedure Status:	Not reported
SR Alternate Procedure Status Date:	Not reported
SR Alternate Procedure Comments:	Not reported
SA Task ID:	20009
SA Cleanup Responsible:	-
SA Funding Eligibility Type:	-
SA Actual Cost:	Not reported
SA Completion Date:	08-25-1995
SA Payment Date:	Not reported
RAP Task ID:	20010
RAP Cleanup Responsible ID:	RP - RESPONSIBLE PARTY
RAP Funding Eligibility Type:	-
RAP Actual Cost:	Not reported
RAP Completion Date:	Not reported
RAP Payment Date:	Not reported
RAP Last Order Approved:	1995-08-25 00:00:00
RA Task ID:	20011
RA Cleanup Responsible:	RP - RESPONSIBLE PARTY
RA Funding Eligibility Type:	-
RA Years to Complete:	Not reported
RA Actual Cost:	Not reported

Click here for Florida Oculus:

UST:

Facility Id:	8629747
Facility Status:	CLOSED
Type Description:	Local Government
Facility Phone:	3056470061
Region:	STATE
Positioning Method:	UNVR
Lat/Long (dms):	28 40 13 / 81 31 50

EATONVILLE TOWN (Continued) **U001364726**

Owner:
Owner Id: 6343
Owner Name: EATONVILLE TOWN
Owner Address: KENNEDY BLVD
Owner Address 2: Not reported
Owner City,St,Zip: EATONVILLE, FL 32751
Owner Contact: WILLIE COOPER
Owner Phone: 3056470061

Tank Info:
Name: EATONVILLE TOWN
Address: KENNEDY BLVD
Tank Id: 1
Status: Removed
Status Date: Not reported
Install Date: Not reported
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 560
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Name: EATONVILLE TOWN
Address: KENNEDY BLVD
Tank Id: 2
Status: Removed
Status Date: 6/30/1991
Install Date: Not reported
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 270
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Name: EATONVILLE TOWN
Address: KENNEDY BLVD
Tank Id: 3
Status: Removed
Status Date: 6/30/1991
Install Date: Not reported
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 270
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Click here for Florida Oculus:

A5 **JOHNS INC** **LUST** **U001380382**
NE **800 JOHNS RD** **UST** **N/A**
1/4-1/2 **APOPKA, FL 32703** **AST**
0.424 mi.
2237 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
128 ft.

LUST:

Region:	STATE
Facility Id:	8521649
Facility Status:	OPEN
Facility Type:	C - Fuel user/Non-retail
Facility Phone:	(305)886-1511
Facility Cleanup Rank:	Not reported
District:	Central District
Lat/Long (dms):	28 40 14.41 / 81 31 47.04
Section:	8
Township:	21
Range:	28
Feature:	Not reported
Method:	UNVR
Datum:	0
Score:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Operator:	JOHNS INC
Name Update:	Not reported
Address Update:	Not reported

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status:	NREQ - NOT REQUIRED
Contact:	JOHN SCOTT
Contact Company:	JOHNS INC
Contact Address:	800 W JOHNS RD
Contact City/State/Zip:	APOPKA, FL 32703
Phone:	(407)886-8850
Bad Address Ind:	N
State:	FL
Zip:	32703, 6207
Score:	Not reported
Score Effective Date:	Not reported
Related Party ID:	11375
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	1991-08-29
RP Zip:	Not reported
RP Extension:	Not reported

Discharge Cleanup Summary:

Discharge Date:	11/9/1987
PCT Discharge Combined:	Not reported
Cleanup Required:	N - NO CLEANUP REQUIRED
Discharge Cleanup Status:	NREQ - CLEANUP NOT REQUIRED
Disch Cleanup Status Date:	5/29/2001
Cleanup Work Status:	COMPLETED
Information Source:	E - EDI
Other Source Description:	Not reported
Eligibility Indicator:	I - INELIGIBLE
Site Manager:	Not reported
Site Mgr End Date:	Not reported
Tank Office:	-

JOHNS INC (Continued) **U001380382**

Task Information:

District:	CD
Facility ID:	8521649
Facility Status:	OPEN
Facility Type:	C - Fuel user/Non-retail -
County:	ORANGE
County ID:	48
Cleanup Eligibility Status:	I
Source Effective Date:	Not reported
Discharge Date:	11-09-1987
Cleanup Required:	N - NO CLEANUP REQUIRED
Discharge Cleanup Status:	NREQ - CLEANUP NOT REQUIRED
Disch Cleanup Status Date:	05-29-2001
SRC Action Type:	-
SRC Submit Date:	Not reported
SRC Review Date:	Not reported
SRC Completion Status:	-
SRC Issue Date:	Not reported
SRC Comment:	Not reported
Cleanup Work Status:	COMPLETED
Site Mgr:	Not reported
Site Mgr End Date:	Not reported
Tank Office:	-
SR Task ID:	20913
SR Cleanup Responsible:	ST - STATE
SR Funding Eligibility Type:	-
SR Actual Cost:	Not reported
SR Completion Date:	Not reported
SR Payment Date:	Not reported
SR Oral Date:	Not reported
SR Written Date:	Not reported
SR Soil Removal:	Not reported
SR Free Product Removal:	Not reported
SR Soil Tonnage Removed:	Not reported
SR Soil Treatment:	Not reported
SR Other Treatment:	Not reported
SR Alternate Proc Received Date:	Not reported
SR Alternate Procedure Status:	Not reported
SR Alternate Procedure Status Date:	Not reported
SR Alternate Procedure Comments:	Not reported
SA Task ID:	20914
SA Cleanup Responsible:	ST - STATE
SA Funding Eligibility Type:	-
SA Actual Cost:	Not reported
SA Completion Date:	Not reported
SA Payment Date:	Not reported
RAP Task ID:	20915
RAP Cleanup Responsible ID:	ST - STATE
RAP Funding Eligibility Type:	-
RAP Actual Cost:	Not reported
RAP Completion Date:	Not reported
RAP Payment Date:	Not reported
RAP Last Order Approved:	Not reported
RA Task ID:	20916
RA Cleanup Responsible:	ST - STATE
RA Funding Eligibility Type:	-
RA Years to Complete:	Not reported

JOHNS INC (Continued) **U001380382**

RA Actual Cost: Not reported

Click here for Florida Oculus:

UST:
Facility Id: 8521649
Facility Status: OPEN
Type Description: Fuel user/Non-retail
Facility Phone: 3058861511
Region: STATE
Positioning Method: UNVR
Lat/Long (dms): 28 40 13 / 81 31 50

Owner:
Owner Id: 11375
Owner Name: JOHNS INC
Owner Address: 800 W JOHNS RD
Owner Address 2: Not reported
Owner City,St,Zip: APOPKA, FL 32703
Owner Contact: JOHN SCOTT
Owner Phone: 4078868850

Tank Info:
Name: JOHNS INC
Address: 800 JOHNS RD
Tank Id: 1
Status: Removed
Status Date: 6/30/1990
Install Date: Not reported
Substance: Leaded gas
Content Description: Leaded Gas
Gallons: 2000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Click here for Florida Oculus:

AST:
Name: JOHNS INC
Address: 800 JOHNS RD
Facility ID: 8521649
Facility Status: OPEN
Type Description: Fuel user/Non-retail
Facility Phone: 3058861511
DEP Contractor Own: P
Region: STATE
Positioning Method: UNVR
Lat/Long (dms): 28 40 13 / 81 31 50

Owner:
Owner Id: 11375
Owner Name: JOHNS INC
Owner Address: 800 W JOHNS RD
Owner Address 2: Not reported

JOHNS INC (Continued) **U001380382**

Owner City,St,Zip: APOPKA, FL 32703
Owner Contact: JOHN SCOTT
Owner Phone: 4078868850

Tank Id: 2
Status: In service
Status Date: Not reported
Install Date: Not reported
Substance: Fuel oil-on site heat
Content Description: Fuel Oil - Onsite Heat
Gallons: 11750
Tank Location: ABOVEGROUND

Tank Id: 3
Status: In service
Status Date: Not reported
Install Date: Not reported
Substance: Fuel oil-on site heat
Content Description: Fuel Oil - Onsite Heat
Gallons: 11750
Tank Location: ABOVEGROUND

Tank Id: 5
Status: In service
Status Date: Not reported
Install Date: Not reported
Substance: Fuel oil-on site heat
Content Description: Fuel Oil - Onsite Heat
Gallons: 5000
Tank Location: ABOVEGROUND

Tank Id: 6
Status: In service
Status Date: Not reported
Install Date: Not reported
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 200
Tank Location: ABOVEGROUND

Tank Id: 7
Status: In service
Status Date: Not reported
Install Date: 7/1/1984
Substance: Z
Content Description: Other Non Regulated
Gallons: 500
Tank Location: ABOVEGROUND

Tank Id: 8
Status: In service
Status Date: Not reported
Install Date: 7/1/1986
Substance: Z
Content Description: Other Non Regulated
Gallons: 500
Tank Location: ABOVEGROUND

JOHNS INC (Continued) **U001380382**

Tank Id:	9
Status:	In service
Status Date:	Not reported
Install Date:	7/1/1986
Substance:	Z
Content Description:	Other Non Regulated
Gallons:	500
Tank Location:	ABOVEGROUND

Click here for Florida Oculus:

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/06/2018
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/12/2019
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: 850-488-0190
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 850-922-7121
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Listing

The file for Leaking Aboveground Storage Tanks. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 08/06/2019
Number of Days to Update: 4

Source: Department of Environmental Protection
Telephone: 850-245-8799
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

LUST: Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 08/06/2019
Number of Days to Update: 4

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

FF TANKS: Federal Facilities Listing
A listing of federal facilities with storage tanks.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 63
Source: Department of Environmental Protection
Telephone: 850-245-8250
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

UST: Storage Tank Facility Information
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 26
Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

AST: Storage Tank Facility Information
Registered Aboveground Storage Tanks.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 26
Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TANKS: Storage Tank Facility List

This listing includes storage tank facilities that do not have tank information. The tanks have either be closed or removed from the site, but the facilities were still registered at some point in history.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 850-245-8841
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites
Listing of closed and active voluntary cleanup sites.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 74

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS AREAS: Brownfields Areas Database
A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. This layer provides a polygon representation of the boundaries of these designated Brownfield Areas in Florida.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Sites Database
Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

BSRA: Brownfield Site Rehabilitation Agreements Listing
The BSRA provides DEP and the public assurance that site rehabilitation will be conducted in accordance with Florida Statutes and DEP's Contaminated Site Cleanup Criteria rule. In addition, the BSRA provides limited liability protection for the voluntary responsible party. The BSRA contains various commitments by the voluntary responsible party, including milestones for completion of site rehabilitation tasks and submittal of technical reports and plans.
It also contains a commitment by DEP to review technical reports according to an agreed upon schedule. Only those brownfield sites with an executed BSRA are eligible to apply for a voluntary cleanup tax credit incentive pursuant to Section 376.30781, Florida Statutes.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Centers

A listing of recycling centers located in the state of Florida.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 58

Source: Department of Environmental Protection
Telephone: 850-245-8718
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 24

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989
Date Data Arrived at EDR: 05/09/1994
Date Made Active in Reports: 08/04/1994
Number of Days to Update: 87

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 03/24/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 850-245-8690
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 850-245-2010
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/04/2013
Number of Days to Update: 60

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/01/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing
A listing of Air Resources Management permits.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 06/14/2019
Number of Days to Update: 29

Source: Department of Environmental Protection
Telephone: 850-921-9558
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing
Asbestos sites

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 850-717-9086
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

CLEANUP SITES: DEP Cleanup Sites - Contamination Locator Map Listing
This listing includes the locations of waste cleanup sites from various programs. The source of the cleanup site data includes Hazardous Waste programs, Site Investigation Section, Compliance and Enforcement Tracking, Drycleaning State Funded Cleanup Program (possibly other state funded cleanup), Storage Tank Contamination Monitoring.

Date of Government Version: 05/27/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: 866-282-0787
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

DEDB: Ethylene Dibromide Database Results
Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 68

Source: Department of Environmental Protection
Telephone: 850-245-8335
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities
The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

DWM CONTAM: DWM CONTAMINATED SITES
A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/28/2019
Number of Days to Update: 58
Source: Department of Environmental Protection
Telephone: 850-245-7503
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A list of hazardous waste facilities required to provide financial assurance under RCRA.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/11/2019
Number of Days to Update: 43
Source: Department of Environmental Protection
Telephone: 850-245-8793
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/11/2019
Number of Days to Update: 43
Source: Department of Environmental Protection
Telephone: 850-245-8743
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

Financial Assurance 3: Financial Assurance Information Listing
A listing of financial assurance information for storage tanks sites.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 35
Source: Department of Environmental Protection
Telephone: 850-245-8853
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

FL Cattle Dip. Vats: Cattle Dipping Vats
From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10
Source: Department of Environmental Protection
Telephone: 850-245-4444
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: No Update Planned

RESP PARTY: Responsible Party Sites Listing
Open, inactive and closed responsible party sites

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/09/2019
Number of Days to Update: 70
Source: Department of Environmental Protection
Telephone: 850-245-8758
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

SITE INV SITES: Site Investigation Section Sites Listing
Statewide coverage of Site Investigation Section (SIS) sites. Site Investigation is a Section within the Bureau of Waste Cleanup, Division of Waste Management. SIS provides technical support to FDEP District Waste Cleanup Programs and conducts contamination assessments throughout the state.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 06/10/2019
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: 850-245-8953
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing
A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 75

Source: Department of Environmental Protection
Telephone: 850-413-9970
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing
A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/11/2019
Number of Days to Update: 50

Source: Department of Environmental Protection
Telephone: 850-245-8655
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

WASTEWATER: Wastewater Facility Regulation Database
Domestic and industrial wastewater facilities.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 850-245-8600
Last EDR Contact: 08/06/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALACHUA COUNTY:

FACILITY LIST ALACHUA: Facility List
List of all regulated facilities in Alachua County.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 35

Source: Alachua County Environmental Protection Department
Telephone: 352-264-6800
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Annually

BROWARD COUNTY:

AST BROWARD: Aboveground Storage Tanks
Aboveground storage tank locations in Broward County.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/12/2019
Number of Days to Update: 73

Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDIEAR BROWARD: Semi-Annual Inventory Report on Contaminated Locations
Early Detection Incentive/Environmental Assessment Remediation. This report monitors the status and remediation progress of known contaminated locations within Broward County. Sites listed by the US EPA, the Florida Department of Environmental Protection, and sites licensed for contamination assessment and cleanup by the Division of Pollution Prevention and Remediation Programs of the Department.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

UST BROWARD: Underground Storage Tanks
All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/12/2019
Number of Days to Update: 73

Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

HILLSBOROUGH COUNTY:

LF HILLSBOROUGH: Hillsborough County LF
Hillsborough county landfill sites.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 34

Source: Hillsborough County Environmental Protection Commission
Telephone: 813-627-2600
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

MIAMI-DADE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DADE CO AP: Air Permit Sites
Facilities that release or have a potential to release pollutants.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

DADE CO AW: Agricultural Waste Listing
A listing of agricultural waste sites

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: Miami-Dade County Division of Environmental Resources Management
Telephone: 305-372-6715
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

DADE CO LW: Liquid Waste Transporter List
The Liquid Waste Transporter permit regulates the transportation of various types of liquid and solid waste, including hazardous waste, waste oil and oily waste waters, septic and grease trap waste, biomedical waste, spent radiator fluid, photo chemical waste, dry sewage sludge, and other types of non-hazardous industrial waste. The Liquid Waste Transporter permits needed to protect the environment and the public from improperly handled and transported waste.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: DERM
Telephone: 305-372-6755
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

DADE GTO: Grease Trap Sites
Any non-residential facility that discharges waste to a sanitary sewer.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/05/2019
Number of Days to Update: 71

Source: Dade County Dept. of Env. Resources Mgmt.
Telephone: 305-372-6508
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

DADE MOP: Marine Facilities Operating Permit
What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

DADE MRE: Maimi River Enforcement
The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 06/05/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 08/06/2013
Number of Days to Update: 61

Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

DADE_IWP: Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: Department of Environmental Resources Management
Telephone: 305-372-6700
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

ENF: Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 06/07/2019
Number of Days to Update: 9

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

SPILLS DADE: Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 01/08/2009
Date Data Arrived at EDR: 01/13/2009
Date Made Active in Reports: 02/05/2009
Number of Days to Update: 23

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

UST DADE: Storage Tanks

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 63

Source: Department of Environmental Resource Management
Telephone: 305-372-6700
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

PALM BEACH COUNTY:

LF PALM BEACH: Palm Beach County LF

Palm Beach County Inventory of Solid Waste Sites.

Date of Government Version: 09/01/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/10/2011
Number of Days to Update: 20

Source: Palm Beach County Solid Waste Authority
Telephone: 561-640-4000
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Department of Children & Families
Source: Provider Information
Telephone: 850-488-4900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environmental Protection
Telephone: 850-245-8238

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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Appendix C

Historical Aerial Photographs
1947, 1954, 1969, 1974, 1978, 1984, 1990, 1997, 2002, 2006, 2010, 2014, 2017 and 2019



Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

Bronson Apopka Site
Orange County, Florida
Historic Aerial
1947

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
1954

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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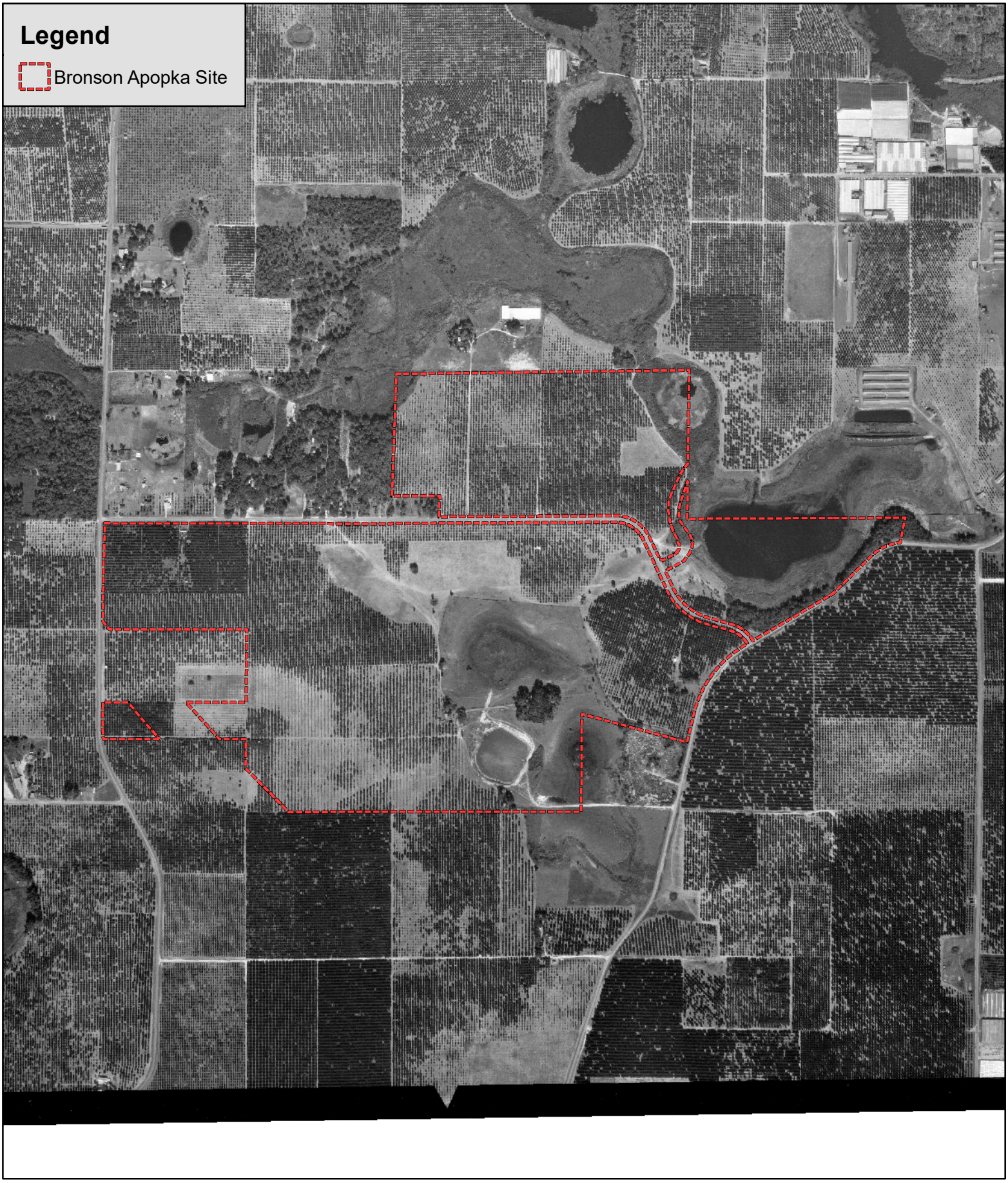
Bronson Apopka Site
Orange County, Florida
Historic Aerial
1969

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
1974

N
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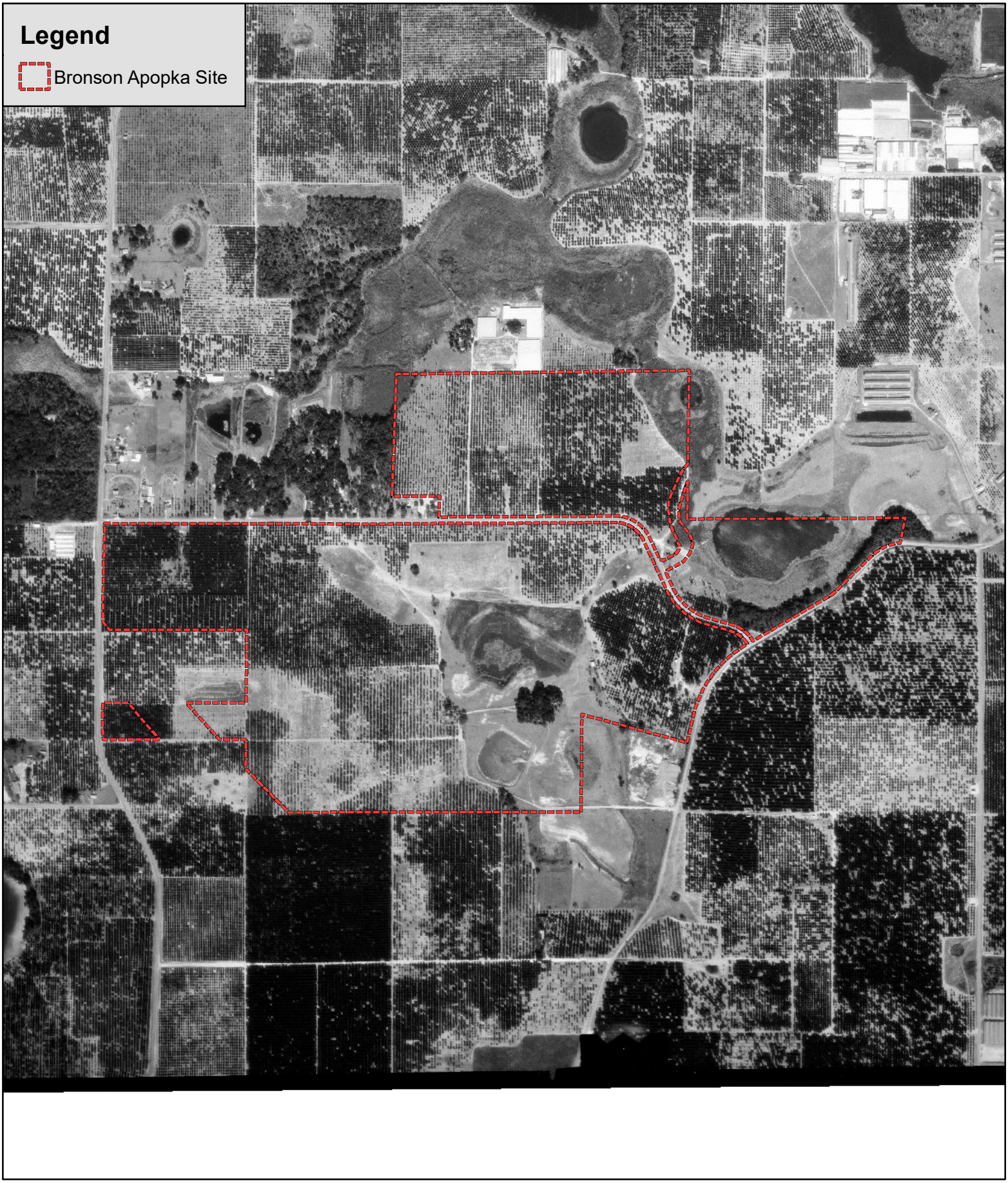
1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
1978

N
W E
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1,250
Feet

Project #: 1145-01
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Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
1984

N
W E
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1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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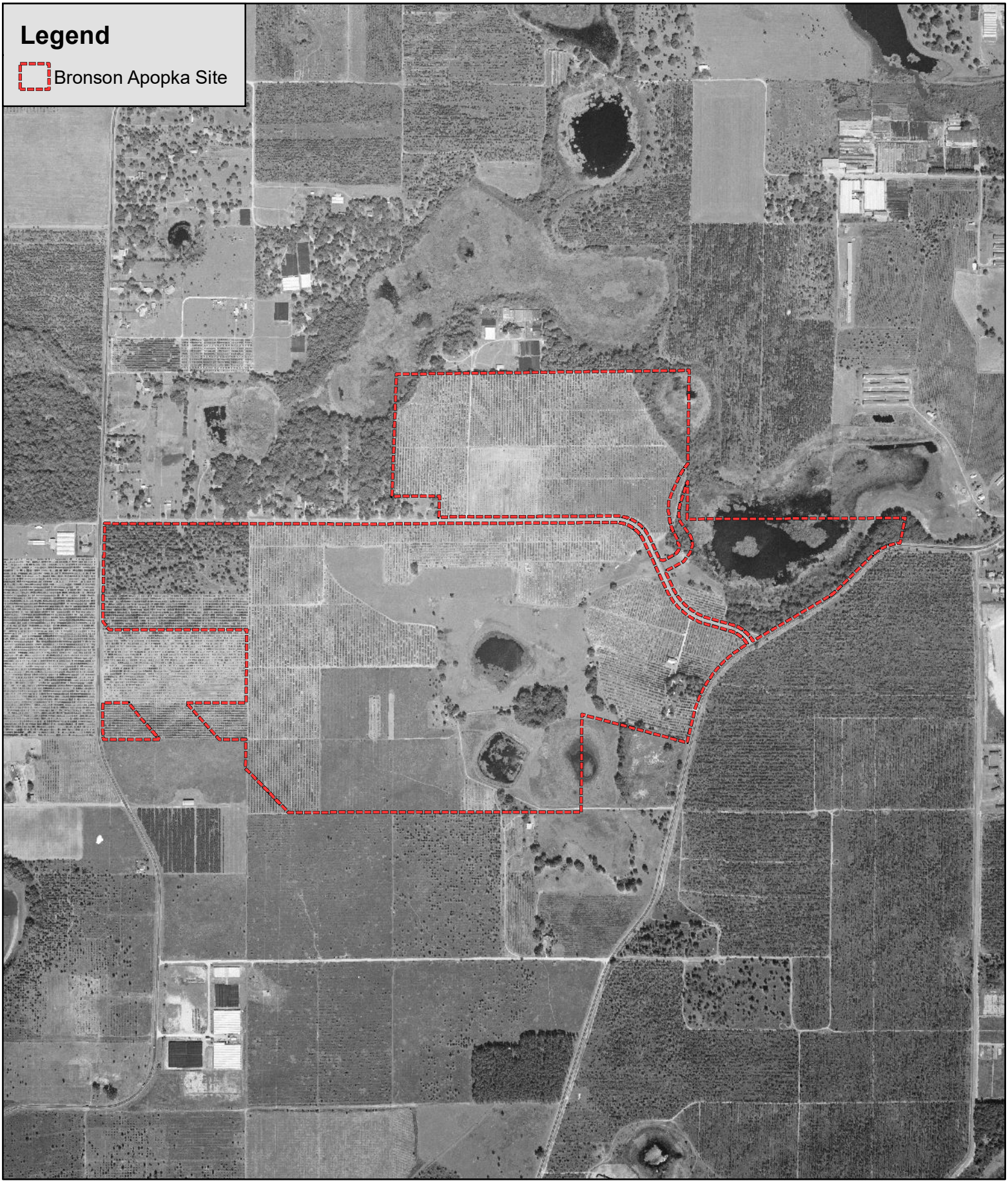
Bronson Apopka Site
Orange County, Florida
Historic Aerial
1990

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
1997

N
W E
S

1,250
Feet

Project #: 1145-01
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Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2002

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2006

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2010

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2014

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2017

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



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Bronson Apopka Site
Orange County, Florida
Historic Aerial
2019

N
W E
S

1,250
Feet

Project #: 1145-01
Produced By: JDH
Date: 1/24/2020



Photo #1 – Subject Property
Agricultural Lands – Citrus Production



Photo #2 – Subject Property
Agricultural Lands – Citrus Production



Photo #3 – Subject Property
Agricultural Lands – Citrus Production



Photo #4 – Subject Property
Agricultural Lands – Citrus Production

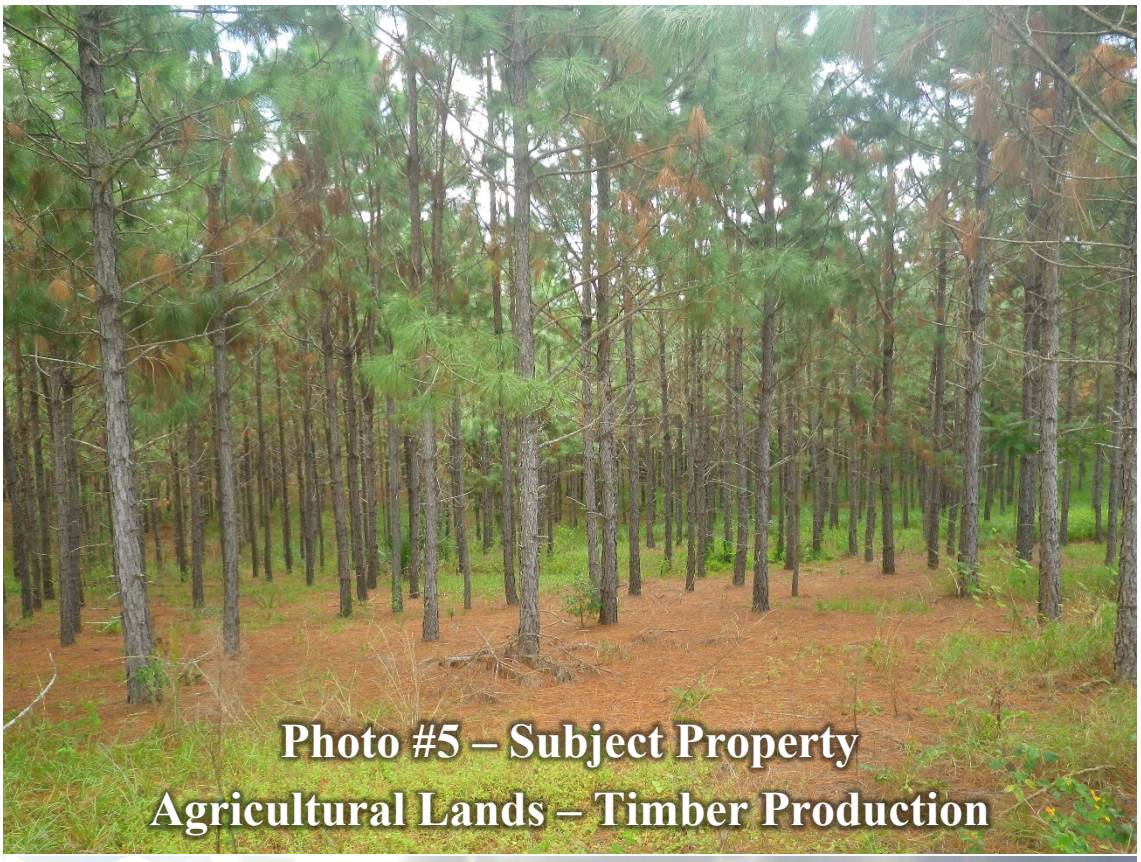

Photo #5 – Subject Property
Agricultural Lands – Timber Production

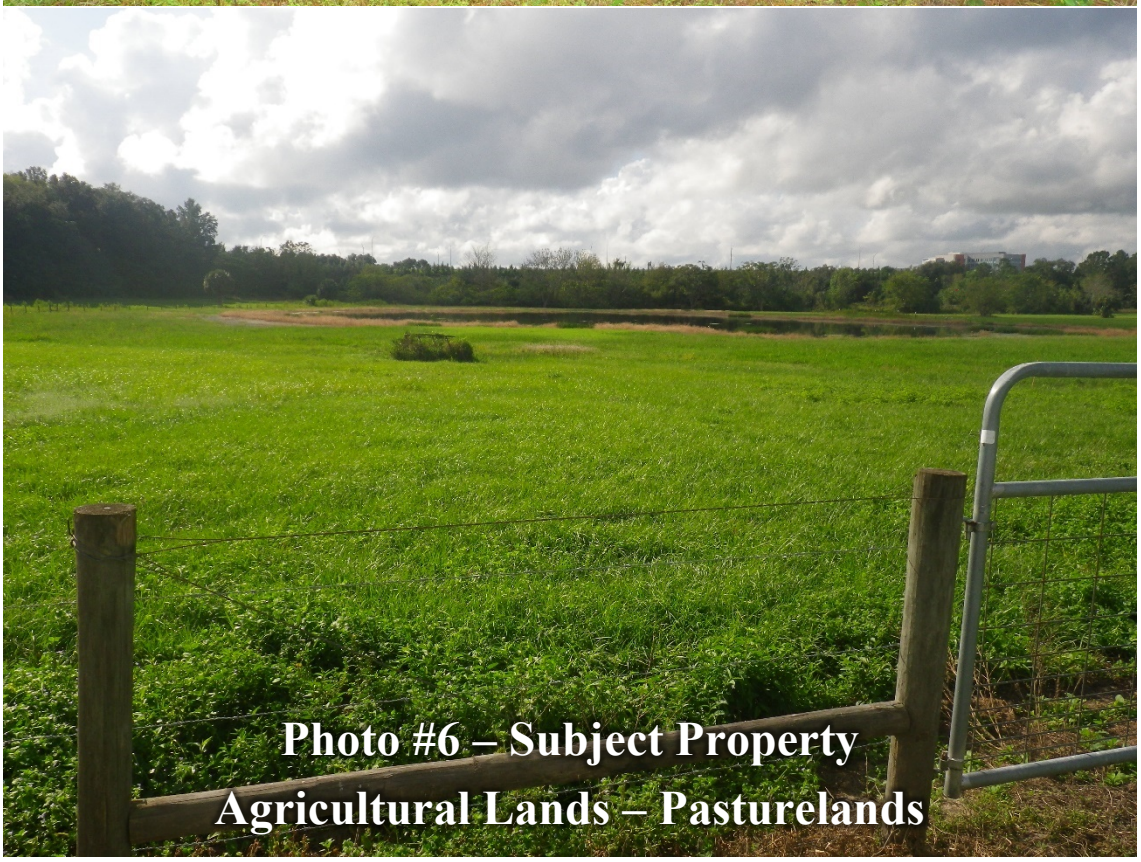

Photo #6 – Subject Property
Agricultural Lands – Pasturelands

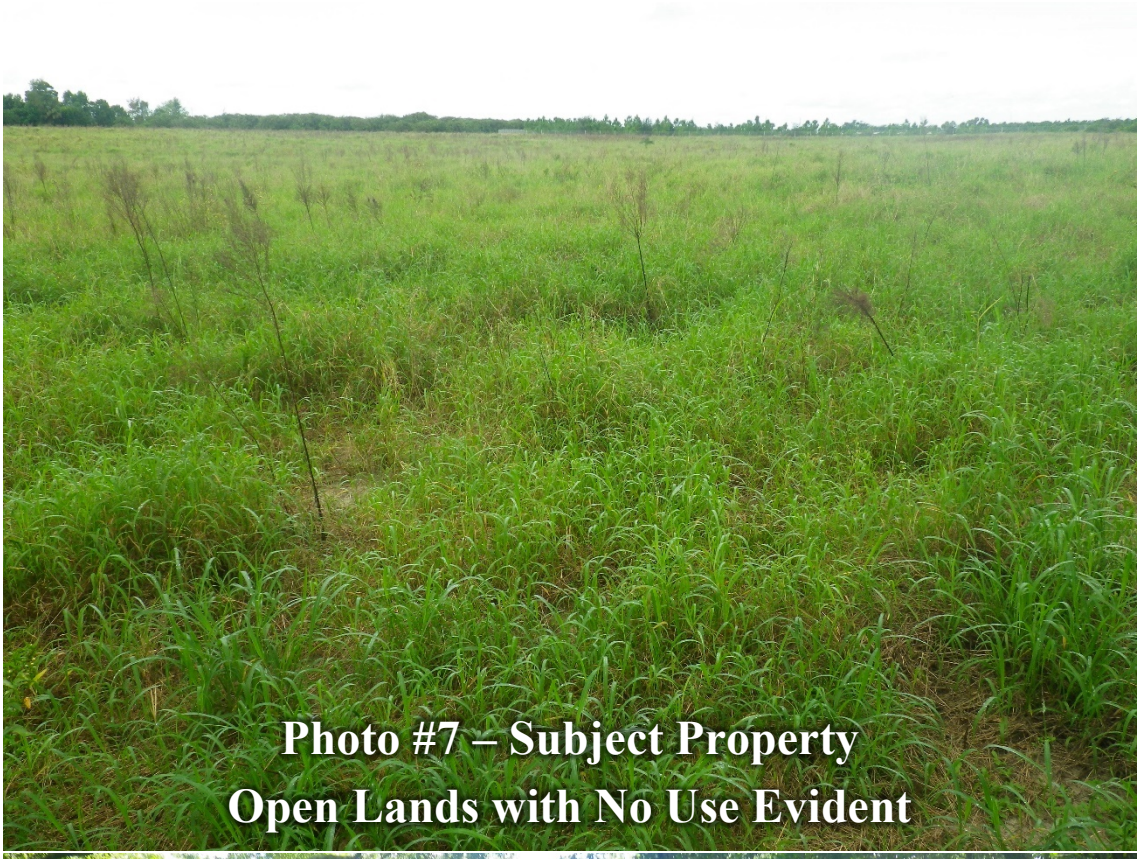

Photo #7 – Subject Property
Open Lands with No Use Evident



Photo #8 – Subject Property
Forested Lands with No Use Evident

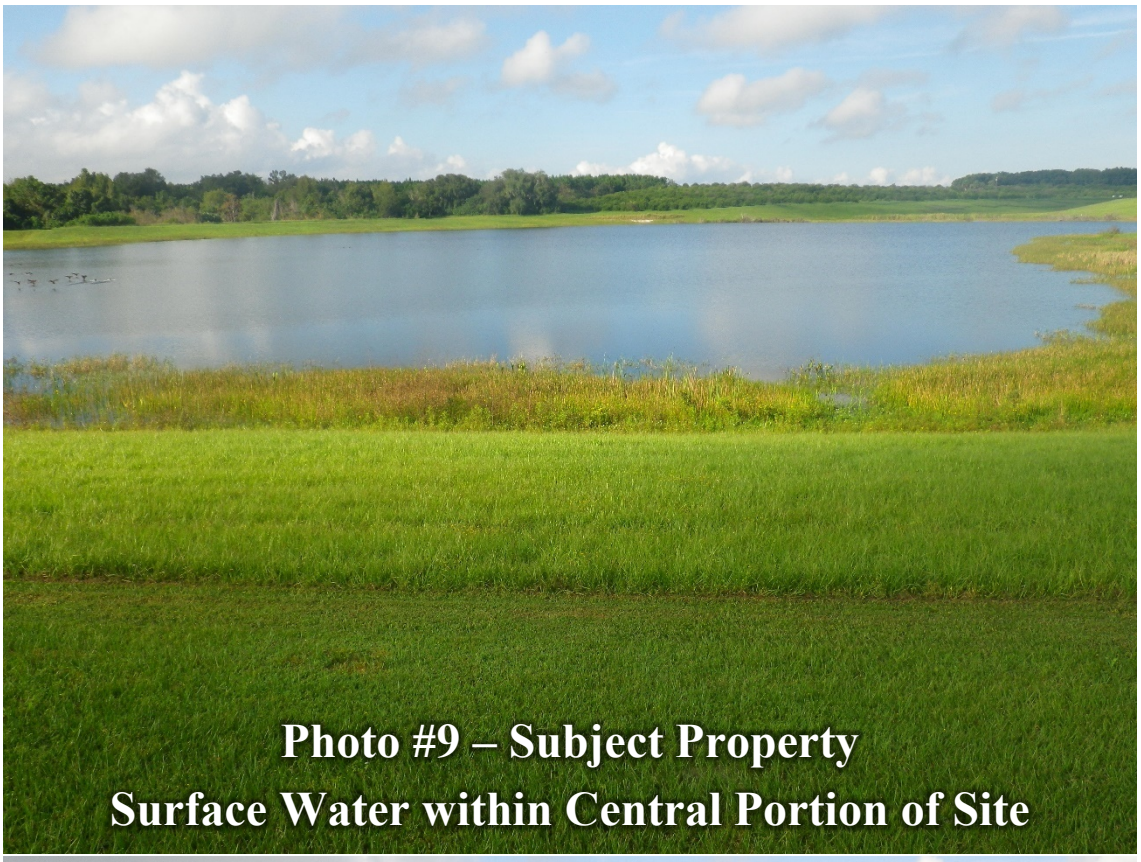

Photo #9 – Subject Property
Surface Water within Central Portion of Site



Photo #10 – Subject Property
Surface Water within Central Portion of Site



Photo #11 – Subject Property
Single-Family Residence #1



Photo #12 – Subject Property
Single-Family Residence #1



Photo #13 – Subject Property
Single-Family Residence #2



Photo #14 – Subject Property
Single-Family Residence #2



Photo #15 – Subject Property
Single-Family Residence #3



Photo #16 – Subject Property
Single-Family Residence #3



Photo #17 – Subject Property
Interior Single-Family Residence #3



Photo #18 – Subject Property
Interior Single-Family Residence #3



Photo #19 – Subject Property
Grove Maintenance Garage



Photo #20 – Subject Property
Interior Grove Maintenance Garage



Photo #21 – Subject Property
Interior Grove Maintenance Garage



Photo #22 – Subject Property
Interior Grove Maintenance Garage



Photo #23 – Subject Property
Equipment Storage Barn



Photo #24 – Subject Property
Interior Equipment Storage Barn



Photo #25 – Subject Property
Interior Equipment Storage Barn



Photo #26 – Subject Property
Interior Equipment Storage Barn



Photo #27 – Subject Property
Equine Stables



Photo #28 – Subject Property
Interior Equine Stables



Photo #29 – Subject Property
Kitchen/Dining Structure



Photo #30 – Subject Property
Interior Kitchen/Dining Structure



Photo #31 – Subject Property
Interior Kitchen/Dining Structure



Photo #32 – Subject Property
Interior Kitchen/Dining Structure



Photo #33 – Subject Property
Detached Garage



Photo #34 – Subject Property
Detached Garage



Photo #35 – Subject Property
Ancillary Structure #1 – Pole Barn



Photo #36 – Subject Property
Ancillary Structure #2 – Shed



Photo #37 – Subject Property
Ancillary Structure #3 – Outhouse



Photo #38 – Subject Property
Ancillary Structure #4 – Shed



Photo #39 – Subject Property
Ancillary Structure #5 – Pole Barn



Photo #40 – Subject Property
Chemical Storage Area within Maintenance Garage



Photo #41 – Subject Property
Paraffin Oil Containers within Maintenance Garage



Photo #42 – Subject Property
Used Petroleum Barrels within Maintenance Garage



Photo #43 – Subject Property
Oil Barrels & Minor Staining Maintenance Garage



Photo #44 – Subject Property
Paraffin Oil Container, Chemical Bag and Spreader within Equipment Storage Barn



Photo #45 – Subject Property
Paraffin Oil Container within Equipment Boneyard



Photo #46 – Subject Property
Portable Diesel Fuel AST in Maintenance Area



Photo #47 – Subject Property
Tractor-towed Citrus Oil (Paraffin Oil) Spreader



Photo #48 – Subject Property
Pressure Tank, Filter System & Residential Well



Photo #49 – Subject Property
Abandoned ASTs within Boneyard Area



Photo #50 – Subject Property
Abandoned ASTs within Boneyard Area



Photo #51 – Subject Property
Three (3) Electrical Transformers Non-PCB



Photo #52 – Subject Property
Electrical Transformer Non-PCB



Photo #53 – Subject Property
Three (3) Electrical Transformers



Photo #54 – Subject Property
Electrical Transformer



Photo #55 – Subject Property
Household Wastes within Abandoned Residence



Photo #56 – Subject Property
Household Wastes around Abandoned Residence



Photo #57 – Subject Property
Petroleum-stained Concrete in Maintenance Garage



Photo #58 – Subject Property
Petroleum Stained Concrete in Maintenance Garage



Photo #59 – Subject Property
Evidence of Septic System at Abandoned Residence



Photo #60 – Subject Property
Agricultural Well in Northern Parcel



Photo #61 – Subject Property
Agricultural Well in Western Portion of Largest Parcel



Photo #62 – Subject Property
Agricultural Well in Pine Plantation in Largest Parcel

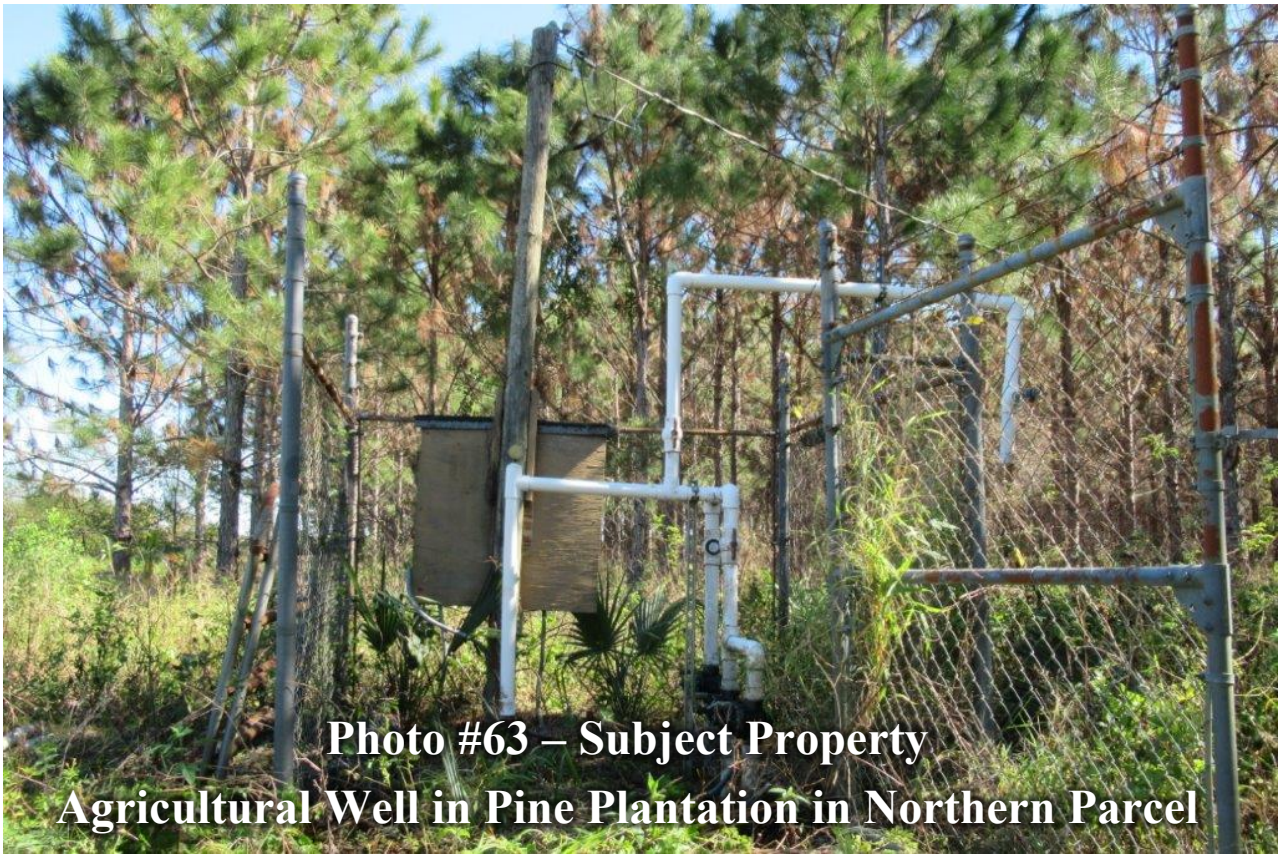

Photo #63 – Subject Property
Agricultural Well in Pine Plantation in Northern Parcel



Photo #64 – Subject Property
Agricultural Well in Pine Plantation in Northern Parcel



Photo #65 – Subject Property
Pressure Tank, Filter System & Residential Well



Photo #66 – Adjoining Property – N
Typical Single-Family Residence



Photo #67 – Adjoining Property – N
Typical Single-Family Residence



Photo #68 – Adjoining Property – E
Warehouse Distribution Facility



Photo #69 – Adjoining Property – SE
Warehouse Distribution Facility



Photo #70 – Adjoining Property – S
Hospital Facility



Photo #71 – Adjoining Property – SW Agricultural Lands – Plant Container Nursery



Photo #72 – Adjoining Property – Between Boy Scout Road Right-of-way (Looking W)



Photo #73 – Adjoining Property – Between Galway Boulevard Right-of-way (Looking NE)



Photo #74 – Adjoining Property – W South Binion Road Right-of-way (Looking S)



Photo #75 – Adjoining Property – E
Ocoee Apopka Road Right-of-way (Looking N)



Photo #76 – Adjoining Property – SW
State Road 429 Right-of-way (Looking W)

Appendix D

Photographic Documentation

Appendix E

Qualifications of Environmental Professionals

Bill Keenan
Project Manager

Bill is a project manager with Bio-Tech Consulting and has been with the company since 2006. His primary duties include Phase I environmental assessments, mitigation design and environmental permitting, regulatory compliance monitoring and reporting, wildlife assessments, species-specific surveys, prescribed burn planning and implementation, and erosion and sediment control monitoring and reporting.

Experience

Bill has more than 15 years of experience as a biologist working in the private and public sectors. Prior to joining Bio-Tech Consulting, Bill served as a field biologist with the Florida Department of Environmental Protection (FDEP) at Wekiwa Springs State Park where his responsibilities included exotic species control, landscape restoration management, and prescribed burn planning and implementation. He also served as a park and district trainer and mentor in the uses and safety of herbicides and prescribed fire.

Bill's biology experience also includes working as a graduate teaching assistant in the biology department at the University of Central Florida and working at The Nature Conservancy as a member of a wildland fire and prescribed burn crew.

Responsibilities

Bill's current role with Bio-Tech Consulting is as a project manager. His duties and responsibilities include Phase I environmental assessments, mitigation design and environmental permitting with appropriate local, state and federal agencies, regulatory compliance monitoring and reporting (vegetative and water quality), wetland, lakeshore and upland restoration and enhancement, mitigation area maintenance, herbicide application, T&E wildlife assessments, species specific surveys and monitoring, wildlife relocation, prescribed burn planning and implementation, and erosion and sediment control monitoring and reporting.

Experience:
16 Years

Years with Bio-Tech Consulting:
11 Years

Education:
Bachelor of Arts, Business Administration
University of Central Florida

Training and Certifications:
- Best Practices Management – Florida Green Industries (GV3740-1)
- Pesticide Commercial Applicator License (CM19779)
- Qualified Stormwater Management Inspector (13286)
- Certified Prescribed Burn Manager (2004-3488)
- S-215 Fire Operations in Wildlands/Urban Interface
- Southern Area Engine Academy
- S-211 Portable Pumps
- Inter-agency Basic Prescribed Fire Course
- S-212 Wildfire Power Saws
- S-130, S-190, I-100 and Standards for Survival
- Florida Certificate of Boating Education
- ATV Safety Course

Memberships:
- Florida Association of Environmental Professionals
- International Society of Technical & Environmental Professionals (INSTEP) Licensed Environmental Professional (LEP) #381

Education

Bill earned his bachelor of arts in Business Administration from the University of Central Florida and has more than two years of study toward his Master's Degree in biology.

Joe Galletti
Vice President

Joe has more than 24 years of professional experience in project management and environmental permitting. His areas of specialization include water quality monitoring, data management, wetland delineations, dredge/fill and environmental resource permitting and Phase I and Phase II Environmental Site Assessments.

Experience

Joe has more than 24 years of professional experience in project management and environmental permitting. He entered the environmental consulting and development community at the beginning of Central Florida's land development boom in the early 1990s.

Along with his extensive experience in resolving wetland, wildlife and other permitting issues, Joe is a Certified Florida Environmental Assessor and leads Bio-Tech Consulting's Phase I Environmental Site Assessment and water quality monitoring teams.

Responsibilities

Joe's primary responsibilities include Phase I Environmental Site Assessments, title searches, water quality monitoring and sampling, regulatory agency database research, historical aerial photograph research, project coordination, marketing, client interaction, proposal writing and technical writing.

As Vice President of Bio-Tech Consulting, Joe oversees federal, state, water management district, and local government permitting processes for a variety of clients. He also specializes in threatened and endangered species identification and permitting, wetland delineation, dredge/fill applications and environmental resource permitting.

Education

Joe graduated from the University of Central Florida with a Bachelor of Science in Biological Sciences.

Experience:
24 Years

Years with Bio-Tech Consulting:
14 Years

Education:
Bachelor of Science, Biological Sciences, University of Central Florida

Certifications:
- Registered Environmental Property Assessor #5898
- International Society of Technical & Environmental Professionals (INSTEP) Licensed Environmental Professional (LEP) #123
- FDEP Qualified Stormwater Management Inspector

Professional Associations:
- Central Florida Association of Environmental Professionals
- Greater Orlando Builders Association
- National Registry of Environmental Professionals
- Florida Lake Management Society (FLMS)

April 2021

THE RIDGE PD

APOPKA, FLORIDA

Concurrency Management System

Traffic Impact Analysis

luke transportation engineering consultants

LTEC № 19-4202

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CONCURRENCY MANAGEMENT SYSTEM

TRAFFIC IMPACT ANALYSIS

THE RIDGE PD

APOPKA, FLORIDA

Prepared for:

Centerline Capital Advisors
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April 2021

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PROFESSIONAL ENGINEERING CERTIFICATE

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Luke Transportation Engineering Consultants, a corporation authorized to operate as an engineering business (#EB-0007429), by the State of Florida Department of Professional Regulation, Board of Professional Engineers, and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice hereby reported for

PROJECT: The Ridge PD CMS Traffic Impact Analysis

LOCATION: Boy Scout Road, Apopka, Florida

CLIENT: Centerline Capital Advisors

I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of transportation engineering as applied through professional judgment and experience.

NAME: J. Anthony Luke, P.E.

P.E. NO.: 42642

DATE: April 30, 2021

SIGNATURE:

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INTRODUCTION

Purpose

This study has been revised to incorporate the City's comments. A copy of the comments and the responses is included in **Appendix A**.

This study was conducted in order to assess the traffic impact of The Ridge PD development in southwest Apopka. The property is oriented with frontage on the north and south of Boy Scout Road. The proposed mixed-use development will consist of 1,500,000 square feet of industrial use, 643 single family dwelling units, 678 multi-family dwelling units, 24,000 square feet of office space and 300,000 square feet of retail space. The mixed-use site will be developed within a property of approximately ±352 acres, which is currently vacant except for a single-family home and some farm buildings. Build-out is expected to occur by the end of 2027. **Figure 1** depicts the development location and the adjacent roadway network. **Figure 2** presents the conceptual site plan with the proposed land use development configuration and potential access locations.

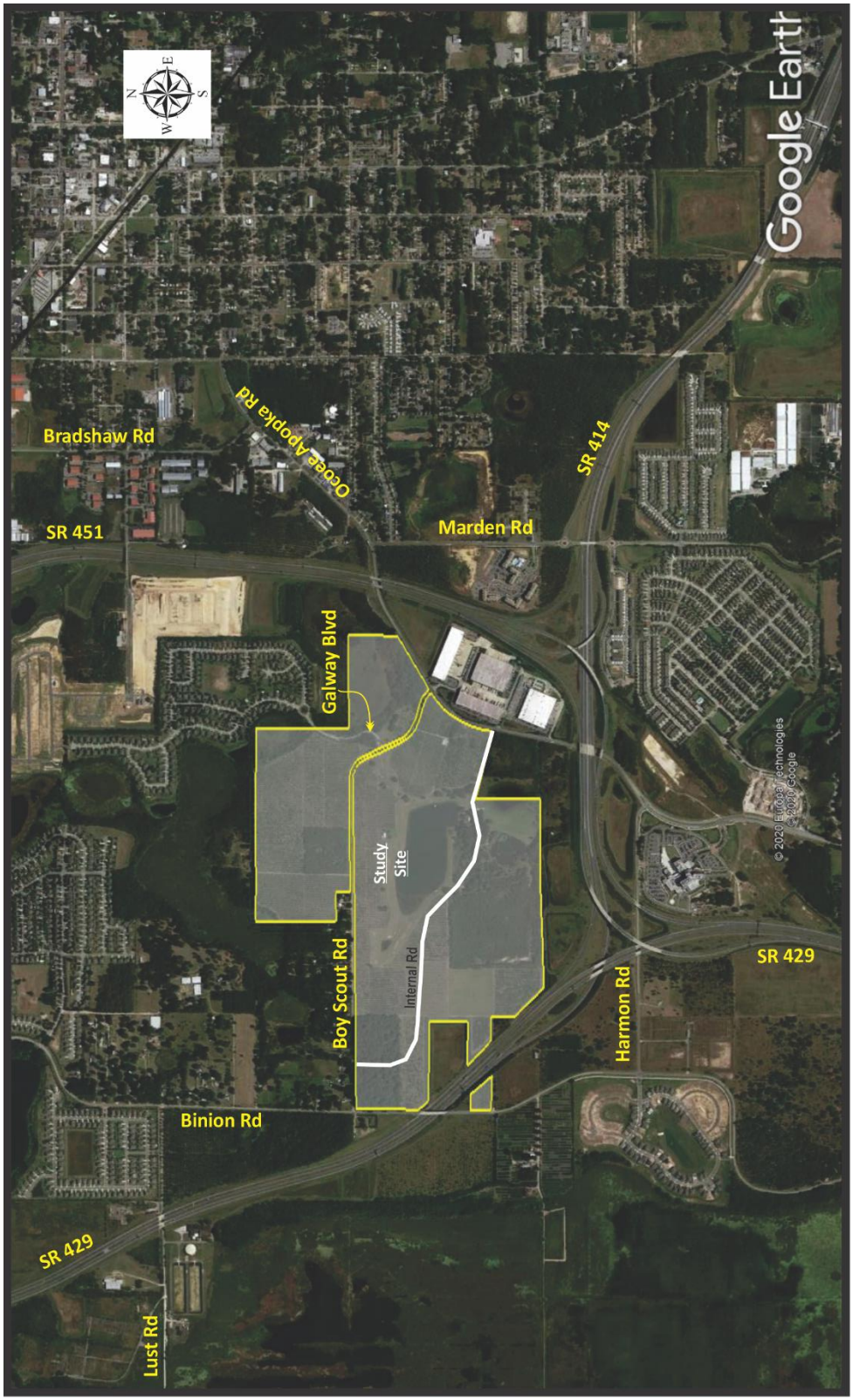
Study Methodology

Before conducting this study, the assumptions and procedures used in the traffic impact analysis were submitted to the Apopka Engineering staff. A copy of the study final, approved methodology and related City correspondence are included in **Appendix B**.

The analysis includes a daily and P.M. peak hour roadway segment analysis using standards and procedures from the City of Apopka's concurrency management system (CMS) network within a one-half mile radius of the access connections. A.M. and P.M. peak hour analysis was also conducted at the following intersections:

- Ocoee Apopka Road (CR 437A) and Bradshaw Road
- Ocoee Apopka Road (CR 437A) and Marden Road
- Ocoee Apopka Road (CR 437A) and Boy Scout Road
- Ocoee Apopka Road (CR 437A) and Harmon Road
- Ocoee Apopka Road (CR 437A) and Keene Road
- Binion Road (CR 437) and Boy Scout Road
- Binion Road (CR 437) and Harmon Road
- US 441 and Orange Avenue (CR 437)
- Boy Scout Road and Galway Boulevard
- Project Entrances

Daily and P.M. peak hour roadway link volumes, including encumbered traffic volumes, were used in the roadway analysis. These were obtained from the City's CMS 2020 Update. Copies of the appropriate CMS pages are included in **Appendix C**.



THE RIDGE PD

TRAFFIC IMPACT ANALYSIS

SITE LOCATION

Figure 1

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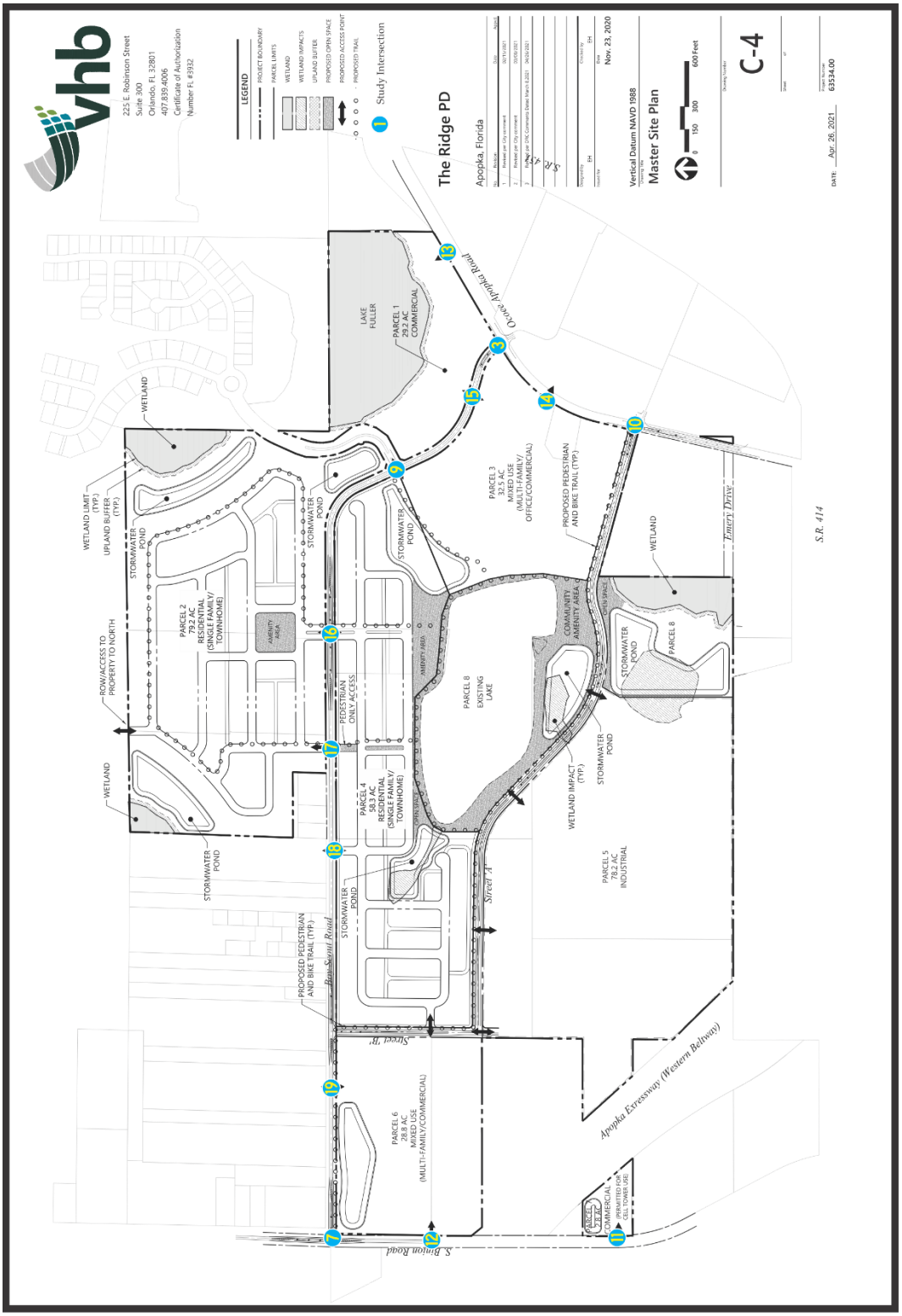

THE RIDGE PD
TRAFFIC IMPACT ANALYSIS
CONCEPTUAL SITE PLAN

Figure 2

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EXISTING ROADWAYS AND TRAFFIC CONDITIONS

The characteristics of the existing roadway segments within the one-half mile impact area of The Ridge PD were surveyed. The roadway segment characteristics information included physical, volume, and traffic control characteristics for these facilities. Existing traffic volume data at the study intersections was based on turning movement counts collected during March 2020 and November 2020. Due to the Covid-19 pandemic effect on travel patterns, the collected peak hour traffic volume data were compared the 2020 Apopka CMS Covid-19 updated traffic volumes from similar roadways. Where appropriate, a factor was applied to normalize each turning movement. Each P.M. peak hour turning movement (see **Appendix D** for the existing intersections turning movement summaries with the Covid-19 adjustment factor). Each count was checked for reasonableness.

Study Roadways

Table 1 provides a list of the roadway parameters utilized in the analysis, taken from the City's 2020 CMS data and updated with the recently approved developments. Included in this table are: number of lanes, functional classification, adopted Level of Service (LOS) standards, roadway service volumes, daily and P.M. peak hour traffic volumes and available capacity. Based upon this analysis, all of the study roadway segments currently operate at acceptable levels of service with available daily and P.M. peak hour capacity.

TABLE 1
Study Roadways Parameters and Existing Available Capacity (1)

Roadway Segment		# of	Adopted Functional		Adopted Roadway Service Volumes		Daily Traffic	PM Peak Hour Volumes		Available Capacity (2)	
From	To	Lanes	Class	LOS	Daily	PM Peak Hour	Volumes			Daily	PM Peak
CR 437A (Ocoee-Apopka Road)								**NB**	**SB**		
Keene Rd	Harmon Rd	2L	Minor Arterial	E	17,700	880	10,919	474	454	4,184	250
Harmon Rd	Boy Scout Rd	2L	Minor Arterial	E	17,700	880	10,919	474	454	4,343	269
Boy Scout Rd	Bradshaw Rd	2L	Minor Arterial	E	17,700	880	13,385	569	544	2,075	169
Binion Road								**NB**	**SB**		
Ocoee Apopka Rd	Harmon Rd	2L	Minor Collector	E	17,700	880	4,609	231	247	11,270	538
Harmon Rd	Boy Scout Rd	2L	Minor Collector	E	17,700	880	5,647	302	263	9,019	437
Boy Scout Rd	Lakeview Dr	2L	Minor Collector	E	17,700	880	6,669	346	265	6,601	350
Lakeview Dr	US 441	2L	Minor Collector	E	15,600	800	4,698	271	193	9,699	475
Boy Scout Road								**EB**	**WB**		
Binion Rd	Ocoee Apopka Rd	2L	Minor Collector	E	15,900	790	1,495	63	77	12,347	627
Bradshaw Road								**NB**	**SB**		
US 441	Johns Rd	2L	Minor Collector	E	15,900	790	5,685	253	247	7,274	346
Johns Rd	Ocoee Apopka Rd	2L	Minor Collector	E	15,900	790	5,685	253	247	8,269	400
Harmon Road								**EB**	**WB**		
Binion Rd	Ocoee Apopka Rd	2L	Minor Collector	E	15,900	790	1,973	99	99	11,672	579
Keene Road								**EB**	**WB**		
Ocoee Apopka Rd	Marden Rd	2L	Minor Collector	E	15,900	790	5,330	297	215	8,965	414
Marden Rd	Clarcona Rd (CR 435)	2L	Minor Collector	E	15,900	790	5,576	293	221	9,124	426
Marden Road								**NB**	**SB**		
Ocoee Apopka Rd	SR 414	2L	Minor Collector	E	14,000	720	6,492	284	231	3,973	261
SR 414	Keene Rd	2L	Minor Collector	E	14,000	720	5,274	260	200	4,703	288

1. City of Apopka 2020 CMS Update
2. City of Apopka 2020 CMS Update Encumbered Traffic Allocation Worksheet.
Luke Transportation Engineering Consultants, Inc., 2021

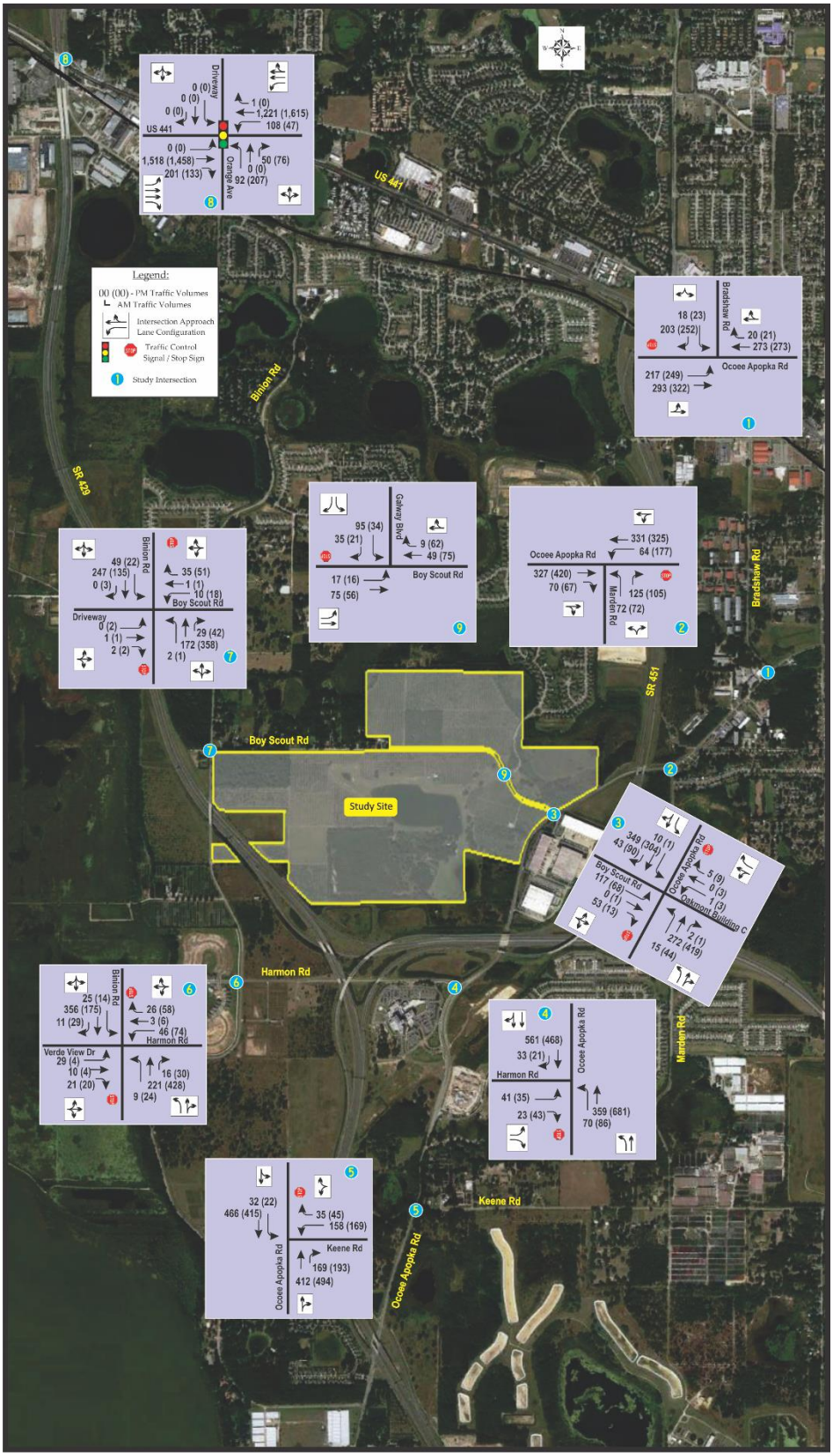
Study Intersections

The study intersections were analyzed under existing conditions using the procedures of the ***Highway Capacity Manual, 6th Edition*** for signalized and unsignalized intersections. This analysis used existing traffic volumes and existing geometric conditions.

Figure 3 shows the existing A.M. and P.M. peak hour intersection turning movement traffic volumes, the existing lane configuration and traffic control at each of the study intersections. **Table 2** includes the summary results of the intersection analysis. Analysis sheets are included in **Appendix E**. All but two (2) of the study intersections currently operate with satisfactory levels of service for the minor street movements. The two (2) intersections with minor street approaches operating with adverse conditions are Ocoee Apopka Road (CR 437A) and Marden Road and Ocoee Apopka Road (CR 437A) and Keene Road.

Roadway Improvements

No roadway widening improvements are currently programmed within the City's Capital Improvements Plan (CIP). The City has been developing plans to implement a traffic signal for the intersection of Ocoee Apopka Road (CR 437A) and Harmon Road when Harmon Road is extended east from Ocoee Apopka Road (CR 437A) to Marden Road. A traffic signal is also planned for the intersection of Ocoee Apopka Road (CR 437A) and Keene Road.



THE RIDGE PD

TRAFFIC IMPACT ANALYSIS

Existing A.M. and P.M. Peak Hour Traffic Volumes

Figure 3

TABLE 2
Study Intersections Existing Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)
8 - US 441 and Orange Avenue/Driveway												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	140		0.0	0.00	A	0	0.0	0.00	A	0
	Thru	2			12.5	0.66	B		19.6	0.74	B	
	Right	1	510		7.5	0.20	A	31	10.9	0.15	B	28
WB	Left	1	300		13.4	0.45	A	45	16.3	0.25	B	24
	Thru	2			5.7	0.45	A		13.4	0.71	B	
	Right	<										
NB	Left	>			53.9	0.66	D		67.5	0.87	E	
	Thru	1										
	Right	>										
SB	Left	<			0.0	0.00	A		0.0	0.00	A	
	Thru	1										
	Right	>										
Intersection Summary					11.5		B		20.2		C	
Approach / Movement		**Lanes**	**Turn Lane Length**	**Traffic Control**	**Control Delay (s) (sec/veh)**	**Lane V/C Ratio**	**Lane LOS**	**95th %ile Queue (Feet)**	**Control Delay (s) (sec/veh)**	**Lane V/C Ratio**	**Lane LOS**	**95th %ile Queue (Feet)**
1 - Ocoee Apopka Road and Bradshaw Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		Free Flow	8.5	0.185	A	18	8.7	0.218	A	20
	Thru	1										
WB	Thru	1		Free Flow								
	Right	<										
SB	Left	>			14.9	0.394	B	48	19.0	0.542	C	80
	Right	<										
2 - Ocoee Apopka Road and Marden Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Thru	1		Free Flow								
	Right	<										
WB	Left	>		Free Flow	8.4	0.061	A	5	9.4	0.195	A	18
	Thru	1										
NB	Left	>			19.9	0.470	C	63	56.8	0.786	**F**	148
	Right	<										
3 - Ocoee Apopka Road (EB/WB) and Boy Scout Road (SB)/Oakmont Building C (NB)												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	515	Free Flow	8.2	0.014	A	0	8.4	0.044	A	3
	Thru	1										
	Right	<										
WB	Left	1	445	Free Flow	7.8	0.008	A	0	8.3	0.001	A	0
	Thru	1										
	Right	<										
NB	Left	>										
	Thru	1			18.1	0.004	C	0	21.5	0.030	C	3
	Right	1	80		10.1	0.007	B	0	11.1	0.017	B	3
SB	Left	>										
	Thru	1			21.9	0.460	C	58	27.7	0.367	D	40
	Right	<										

TABLE 2 (Continued)
Study Intersections Existing Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)
4 - Ocoee Apopka Road and Harmon Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	215	STOP	29.1	0.225	D	20	44.5	0.290	E	28
	Right	1			10.5	0.350	B	3	10.2	0.062	B	5
NB	Left	1	250	Free Flow	9.1	0.078	A	8	8.8	0.086	A	8
	Thru	1										
SB	Thru	2		Free Flow								
	Right	<										
5 - Ocoee Apopka Road and Keene Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
WB	Left	>		STOP	55.6	0.782	**F**	148	88.2	0.947	**F**	213
	Right	<										
NB	Thru	1		Free Flow								
	Right	<										
SB	Left	>		Free Flow	8.8	0.034	A	3	9.3	0.027	A	3
	Thru	1										
6 - Binion Road and Harmon Road/Verde View Drive												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		STOP	16.2	0.171	C	15	12.3	0.059	B	5
	Thru	1										
	Right	<										
WB	Left	>		STOP	15.8	0.176	C	15	22.3	0.427	C	53
	Thru	1										
	Right	<										
NB	Left	1	415	Free Flow	8.1	0.009	A	0	7.7	0.020	A	3
	Thru	1										
	Right	<										
SB	Left	>		Free Flow	7.8	0.021	A	0	8.5	0.015	A	0
	Thru	1										
	Right	<										
7 - Binion Road and Boy Scout Road/Driveway												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		STOP	11.0	0.005	B	0	13.3	0.013	B	0
	Thru	1										
	Right	<										
WB	Left	>		STOP	13.4	0.101	B	8	13.3	0.159	B	15
	Thru	1										
	Right	<										
NB	Left	>		Free Flow	7.8	0.002	A	0	7.5	0.001	A	0
	Thru	1										
	Right	<										
SB	Left	>		Free Flow	7.7	0.037	A	3	8.4	0.024	A	3
	Thru	1										
	Right	<										
9 - Boy Scout Road and Galway Boulevard												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	150	Free Flow	7.4	0.012	A	0	7.6	0.013	A	0
	Thru	1										
WB	Thru	1		Free Flow								
	Right	<										
SB	Left	1		STOP	10.1	0.125	B	10	10.0	0.051	A	5
	Right	1			8.7	0.034	A	3	9.0	0.026	A	3

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PROPOSED DEVELOPMENT

As indicated earlier, the proposed The Ridge PD will consist of 1,500,000 square feet of industrial use, 643 single family dwelling units, 678 multi-family dwelling units, 24,000 square feet of office space and 300,000 square feet of retail space. Build-out is expected to occur by the end of 2027. Per the approved study methodology, to determine the impact of this development, an analysis of its traffic characteristics was made. This included the determination of the traffic generated by proposed development and the distribution/assignment of this traffic to the study roadways and study intersections.

Trip Generation

The trip generation for The Ridge PD was estimated using the 10*th Edition ITE Trip Generation Report, 2017* data as summarized in **Table 3** (a copy of the Traffic Allocation Form is contained in **Appendix F)**. Utilizing the ITE trip generation rates, the proposed mixed-use land use plan will generate a total of 35,197 daily vehicle trip ends, 2,395 A.M. peak hour vehicle trip ends and 3,983 P.M. peak hour vehicle trip ends. These total trips consist of internal trips and pass-by trips that will be discussed below.

Internal Capture

Internal trips are defined as trips that occur between compatible land uses (i.e., trips occurring between residential, retail and office land uses within the proposed development site). The internal trips will have no impact on the adjacent roadway network. Utilizing the procedures contained in the *ITE Trip Generation Handbook*, 3rd Edition, section on "Trip Generation for Multi-Use Development," an internal capture calculation was performed. A copy of the internal capture worksheet is included in **Appendix G**. **Table 3** includes the internal trip ends adjustment calculations at build-out based on the development

Pass-by Trips

For the retail component of the development program, a pass-by traffic proportion was calculated. This was also based on the *ITE Trip Generation Handbook*. The pass-by traffic volumes were checked to ensure it did not exceed 10% of the existing (2020) P.M. peak hour weekday traffic on the adjacent roadway segments of Ocoee Apopka Road, Binion Road and Boy Scout Road (see footnote 5 in **Table 3**). This calculation represents the maximum limit of the pass-by traffic, relative to the P.M. peak hour projected traffic volumes on the adjacent roadways.

Adjusting for internal and pass-by trips results in a total of 28,880 Net New (Primary) daily vehicle trip ends, 2,345 Net New (Primary) A.M. peak hour vehicle trip ends and 3,177 Net New (Primary) P.M. peak hour vehicle trip ends.

TABLE 3
Estimated Trip Generation (1)

Parcel Number	Land Use	Size	ITE Code (2)	Trip Generation Rates							Traffic Volumes						
				Daily	A.M. Peak Hour			P.M. Peak Hour			Daily	A.M. Peak Hour			P.M. Peak Hour		
					Total	Enter	Exit	Total	Enter	Exit		Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000 SF	110 / R	4.96	0.70	0.62	0.08	0.97	0.13	0.84	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340 DU	210 /E	9.43	0.72	0.18	0.54	0.97	0.61	0.36	3,206	247	62	185	329	207	122
4	Single family	303 DU	210 /E	9.52	0.73	0.18	0.54	0.97	0.61	0.36	2,883	220	55	165	294	185	109
3	Multi-Family	300 DU	220 / E	7.42	0.45	0.10	0.35	0.52	0.33	0.19	2,227	135	31	104	157	99	58
6	Multi-Family	378 DU	220 / E	7.45	0.45	0.10	0.34	0.51	0.32	0.19	2,817	169	39	130	192	121	71
3	Office	75,000 SF	710 / E	10.70	1.29	1.11	0.18	1.16	0.19	0.97	803	97	83	14	87	14	73
3	Retail	25,000 SF	820 /R	37.75	0.94	0.58	0.36	3.81	1.83	1.98	944	24	15	9	96	46	50
1	Retail	100,000 SF	820 /E	60.12	2.02	1.25	0.77	5.43	2.61	2.83	6,012	202	125	77	544	261	283
7	Retail	25,000 SF	820 /R	37.75	0.94	0.58	0.36	3.81	1.83	1.98	944	24	15	9	96	46	50
6	Retail	150,000 SF	820 /E	52.80	1.51	0.94	0.58	4.89	2.35	2.54	7,921	227	141	86	733	352	381
										Total	***35,197***	***2,395***	***1,490***	***905***	***3,983***	***1,520***	***2,463***

Parcel Number	Land Use	Size	Internal Capture (3)			Internal Capture							External Trips (4)						
			Daily	AM Pk	PM Pk	Daily	A.M. Peak Hour			P.M. Peak Hour			Daily	A.M. Peak Hour			P.M. Peak Hour		
							Total	Enter	Exit	Total	Enter	Exit		Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000 SF	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340 DU	17.2%	1.6%	28.9%	551	4	1	3	95	68	27	2,655	243	61	182	234	139	95
4	Single family	303 DU	16.9%	1.4%	28.6%	488	3	1	2	84	60	24	2,395	217	54	163	210	125	85
3	Multi-Family	300 DU	16.1%	1.5%	28.7%	358	2	1	1	45	32	13	1,869	133	30	103	112	67	45
6	Multi-Family	378 DU	16.3%	1.8%	29.2%	460	3	1	2	56	40	16	2,357	166	38	128	136	81	55
3	Office	75,000 SF	19.1%	8.2%	31.0%	153	8	5	3	27	12	15	650	89	78	11	60	2	58
3	Retail	25,000 SF	16.6%	4.2%	19.8%	157	1	1	0	19	6	13	787	23	14	9	77	40	37
1	Retail	100,000 SF	15.4%	4.0%	19.7%	927	8	4	4	107	32	75	5,085	194	121	73	437	229	208
7	Retail	25,000 SF	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	944	24	15	9	96	46	50
6	Retail	150,000 SF	17.9%	4.0%	22.2%	1,419	9	5	4	163	48	115	6,502	218	136	82	570	304	266
	Total		***12.8%***	***1.6%***	***15.0%***	***4,513***	***38***	***19***	***19***	***596***	***298***	***298***	***30,684***	***2,357***	***1,471***	***886***	***3,387***	***1,222***	***2,165***

Parcel Number	Land Use	Size	Pass-by Capture (5)			Pass-by Capture							Net New (Primary) Trips (6)						
			Daily	AM Pk	PM Pk	Daily	A.M. Peak Hour			P.M. Peak Hour			Daily	A.M. Peak Hour			P.M. Peak Hour		
							Total	Enter	Exit	Total	Enter	Exit		Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000 SF	0.0%	0.0%	0%	0	0	0	0	0	0	0	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340 DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,655	243	61	182	234	139	95
4	Single family	303 DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,395	217	54	163	210	125	85
3	Multi-Family	300 DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	1,869	133	30	103	112	67	45
6	Multi-Family	378 DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,357	166	38	128	136	81	55
3	Office	75,000 SF	0.0%	0.0%	0%	0	0	0	0	0	0	0	650	89	78	11	60	2	58
3	Retail	25,000 SF	14.0%	2.7%	17.8%	110	0	0	0	14	7	7	677	23	14	9	63	33	30
1	Retail	100,000 SF	13.3%	2.7%	17.8%	677	6	3	3	78	39	39	4,408	188	118	70	359	190	169
7	Retail	25,000 SF	15.0%	2.7%	17.8%	142	0	0	0	18	9	9	802	24	15	9	78	37	41
6	Retail	150,000 SF	13.5%	2.7%	17.8%	875	6	3	3	100	50	50	5,627	212	133	79	470	254	216
		Total				***1,804***	***12***	***6***	***6***	***210***	***105***	***105***	***28,880***	***2,345***	***1,465***	***880***	***3,177***	***1,117***	***2,060***

(1) Trip generation calculations from 9th Edition of ITE Trip Generation Report.

(2) ITE Land Use Code Number / E = Fitted Curve Equation, R= Average Trip Rate

(3) Internal Percentage from ITE "Trip Generation Handbook," August 2014.
Individual land use percentage adjusted to match internal trip calculation.

(4) Total Traffic Volumes minus Internal Capture Trips = External Trips.

(5) Pass-by Percentage is based on 3rd Edition of ITE Trip Generation Handbook
Table F.9- ITE Code 820: Shopping Center Average Pass-by percent set to equal 10% of Binion Road, Ocoee Apopka Road and Boy Scout Road traffic volumes.
10% pass-by check: Use P.M. traffic (0.10 x (669 + 1,179 + 270) = 211.8, use 210)

(6) Primary Trips - Pass-by Trips = Net New Traffic Volumes

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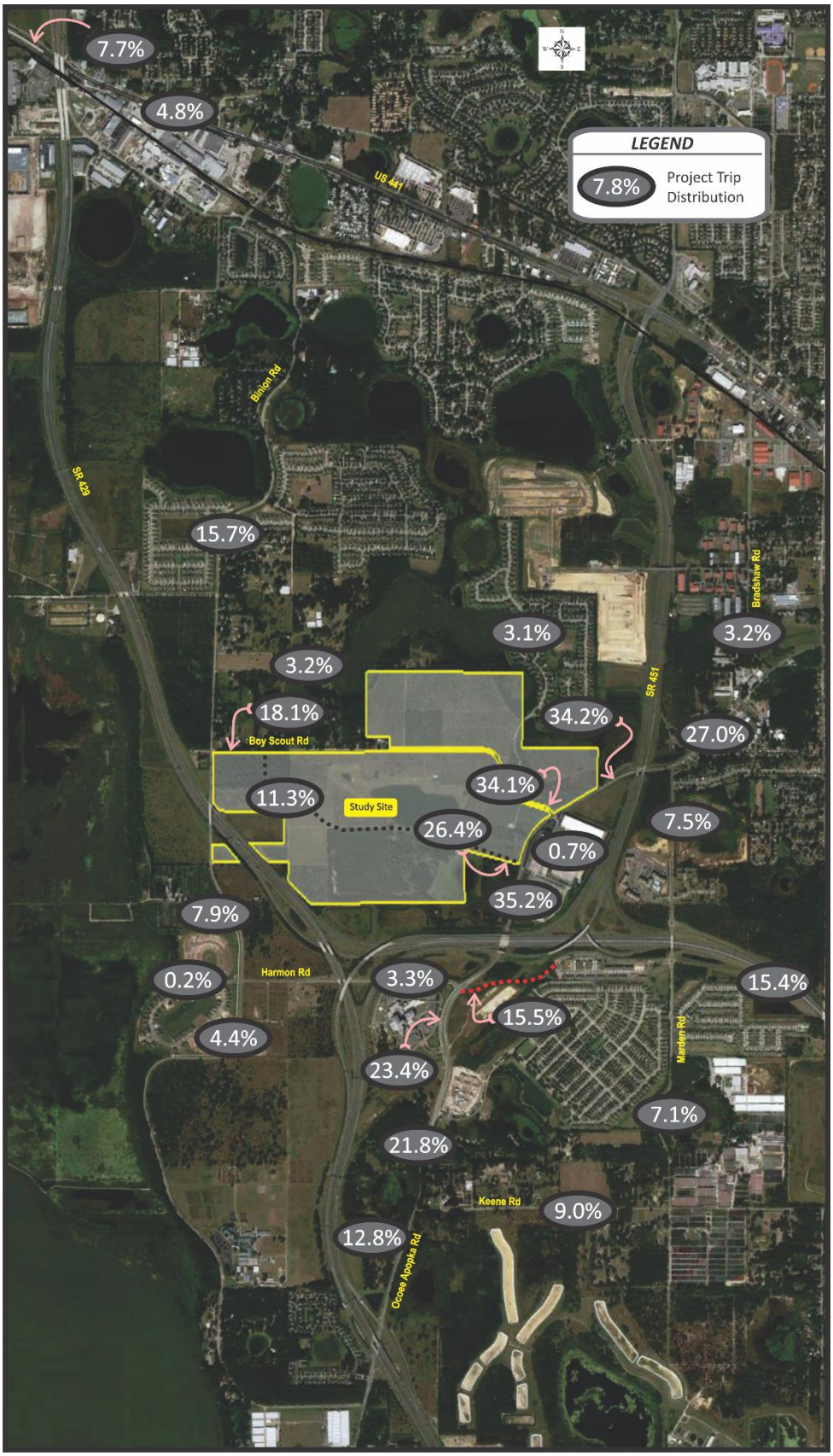
Trip Distribution

Project distribution and assignment of The Ridge PD development traffic to the study roadways and study intersections was based upon an OUATS Model 2030 assignment, a review of the existing traffic patterns and discussion with City staff. The model network included all planned and programmed roadways and improvements within the impact area. The model roadway network was updated to include the proposed internal roadway and based on input from City staff, the socioeconomic data was updated to reflect the proposed development in two separate traffic zones. Subsequently, a selected zone assignment was performed to determine distribution of site trips in the impact area to the area roadways. **Figure 4** shows the resultant Project trip distribution on the study roadway segments utilized in the analysis. A copy of the 2030 model Project trips distribution plot is contained in **Appendix H**.



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THE RIDGE PD
TRAFFIC IMPACT ANALYSIS
PROJECT TRIP DISTRIBUTION

Figure 4

The trips generated by The Ridge PD were combined with background (encumbered/reserved) traffic and assigned to the study roadways and intersections. Background traffic consist of the City's 2020 traffic volumes projected to 2027 via a 1% annual growth rate plus the encumbered traffic volumes (see **Appendix I** for the Encumbered trips worksheets). Off-peak direction encumbered traffic volumes were estimated based on the 2020 P.M. peak hour existing traffic off-peak D factor. **Table 4** presents both the 2020 CMS daily and P.M. peak hour background traffic volumes for each study roadway segment as well as the projected 2027 background traffic volumes.

Background traffic projections at the study intersections were determined by increasing the existing traffic volumes based on the calculated 2027 traffic percentage growth over the existing P.M. peak hour traffic volumes. The study intersections projected background traffic volumes were checked for reasonableness. **Figure 5** presents the projected A.M. peak hour and **Figure 6** presents the projected P.M. peak hour intersection traffic volumes (background traffic plus Project traffic equals total traffic). Each figure also shows the Project trip distribution at each study intersection.

Traffic Impact Roadway Analysis

An analysis of both the daily and P.M. peak traffic conditions was conducted to determine if adequate capacity was available on each study roadway segment. Each impacted roadway segment was analyzed by comparing its total daily and P.M. peak hour volume to the available capacity of the segment as shown in **Table 5**. The results of this analysis indicate that all but five of the study roadway segments will continue to have adequate capacity at Build-out in 2027. The roadway segments which exceed the available roadway capacity for both the daily and P.M. peak hour are as follows:

- Ocoee Apopka Road (CR 437A) between Keene Road and Harmon Road,
- Ocoee Apopka Road (CR 437A) between Harmon Road and Internal Road,
- Ocoee Apopka Road (CR 437A) between Internal Road and Boy Scout Road,
- Ocoee Apopka Road (CR 437A) between Boy Scout Road and Marden Road, and
- Ocoee Apopka Road (CR 437A) between Marden Road and Bradshaw Road.

Intersection Analysis

To determine the projected Level of Service provided by the intersections to be impacted by the proposed development, a capacity analysis was conducted utilizing the procedures of the *Highway Capacity Manual, 6th Edition* for the signalized and unsignalized study intersections. This analysis used existing/proposed geometric conditions and Build-out (2027) projected traffic volumes (see **Figure 5** and **Figure 6**). The projected intersection delay and level of service, for each study intersection for background and total traffic, are shown in **Table 6**.

TABLE 4
2020 Background Traffic Calculations

Roadway Segment		Daily Traffic Volumes			PM Peak Hour Traffic Volumes					
		Existing	Encumbered	Background	Existing		Encumbered		Background	
From	To	(1)	(2)	(3)	(1)		(2)		(3)	
CR 437A (Ocoee-Apopka Road)					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Keene Rd	Harmon Rd	10,919	2,597	13,516	474	454	156	149	630	603
Harmon Rd	Internal Road	10,919	2,438	13,357	474	454	137	131	611	585
Internal Road	Boy Scout Rd	10,919	2,438	13,357	474	454	137	131	611	585
Boy Scout Rd	Marden Rd	13,385	2,240	15,625	569	544	142	136	711	680
Marden Rd	Bradshaw Rd	13,385	2,240	15,625	569	544	142	136	711	680
Binion Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Ocoee Apopka Rd	Harmon Rd	4,609	1,821	6,430	231	247	89	95	320	342
Harmon Rd	Boy Scout Rd	5,647	3,034	8,681	302	263	141	123	443	386
Boy Scout Rd	Lakeview Dr	6,669	4,430	11,099	346	265	184	141	530	406
Lakeview Dr	US 441	4,698	3,303	8,001	271	193	134	95	405	288
Boy Scout Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Binion Rd	Ocoee Apopka Rd	1,495	2,958	4,453	63	77	70	86	133	163
Bradshaw Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
US 441	Johns Rd	5,685	2,941	8,626	253	247	191	186	444	433
Johns Rd	Ocoee Apopka Rd	5,685	1,946	7,631	253	247	137	134	390	381
Harmon Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Binion Rd	Ocoee Apopka Rd	1,973	2,255	4,228	99	99	112	112	211	211
Keene Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Ocoee Apopka Rd	Marden Rd	5,330	1,605	6,935	297	215	79	57	376	272
Marden Rd	Clarcona Rd (CR 435)	5,576	1,200	6,776	293	221	71	53	364	274
Marden Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Ocoee Apopka Rd	SR 414	6,492	3,535	10,027	284	231	175	142	459	373
SR 414	Keene Rd	5,274	2,805	8,079	260	200	148	114	408	314

Year 2027 Background Traffic Calculations

Roadway Segment		Daily Traffic Volumes			PM Peak Hour Traffic Volumes					
		Existing	Encumbered	Background	Existing		Encumbered		Background	
From	To	(4)	(2)	(3)	(4)		(2)		(3)	
CR 437A (Ocoee-Apopka Road)					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Keene Rd	Harmon Rd	11,680	2,597	14,277	510	490	156	149	666	639
Harmon Rd	Internal Road	11,680	2,438	14,118	510	490	137	131	647	621
Internal Road	Boy Scout Rd	11,680	2,438	14,118	510	490	137	131	647	621
Boy Scout Rd	Marden Rd	14,320	2,240	16,560	610	580	142	136	752	716
Marden Rd	Bradshaw Rd	14,320	2,240	16,560	610	580	142	136	752	716
Binion Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Ocoee Apopka Rd	Harmon Rd	4,930	1,821	6,751	250	260	89	95	339	355
Harmon Rd	Boy Scout Rd	6,040	3,034	9,074	320	280	141	123	461	403
Boy Scout Rd	Lakeview Dr	7,140	4,430	11,570	370	280	184	141	554	421
Lakeview Dr	US 441	5,030	3,303	8,333	290	210	134	95	424	305
Boy Scout Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Binion Rd	Ocoee Apopka Rd	1,600	2,958	4,558	70	80	70	86	140	166
Bradshaw Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
US 441	Johns Rd	6,080	2,941	9,021	270	260	191	186	461	446
Johns Rd	Ocoee Apopka Rd	6,080	1,946	8,026	270	260	137	134	407	394
Harmon Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Binion Rd	Ocoee Apopka Rd	2,110	2,255	4,365	110	110	112	112	222	222
Keene Road					**EB**	**WB**	**EB**	**WB**	**EB**	**WB**
Ocoee Apopka Rd	Marden Rd	5,700	1,605	7,305	320	230	79	57	399	287
Marden Rd	Clarcona Rd (CR 435)	5,970	1,200	7,170	310	240	71	53	381	293
Marden Road					**NB**	**SB**	**NB**	**SB**	**NB**	**SB**
Ocoee Apopka Rd	SR 414	6,950	3,535	10,485	300	250	175	142	475	392
SR 414	Keene Rd	5,640	2,805	8,445	280	210	148	114	428	324

1. From Table 1

2. City of Apopka 2020 CMS Update Encumbered Traffic Allocation Worksheet. Off-peak Encumbered estimated based on existing off-peak D factor.

3. Existing + Encumbered = Background / 2027 Existing + Encumbered = 2027 Background

4. Existing 2020 traffic grown by 1% annual growth rate to 2027

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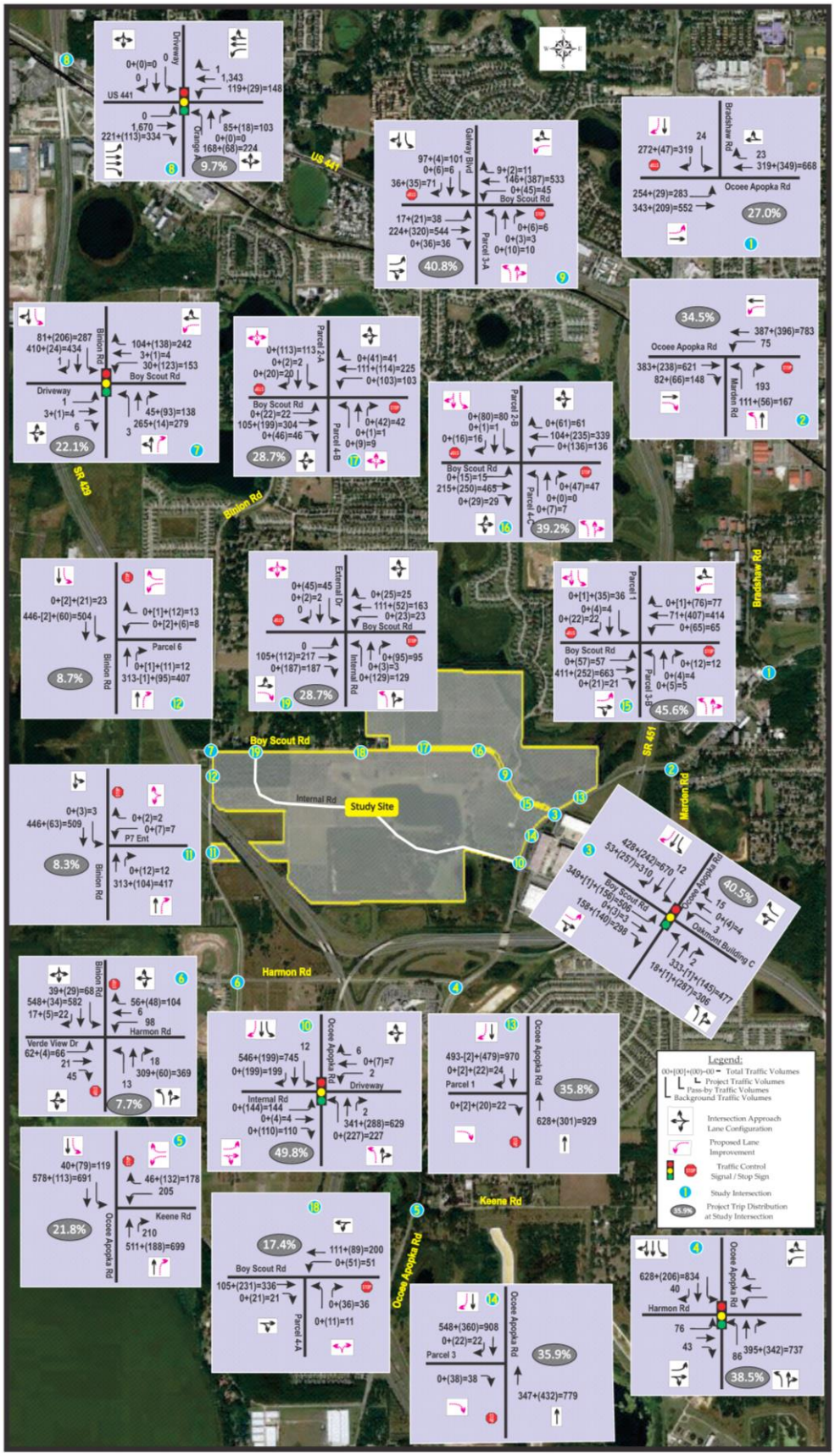
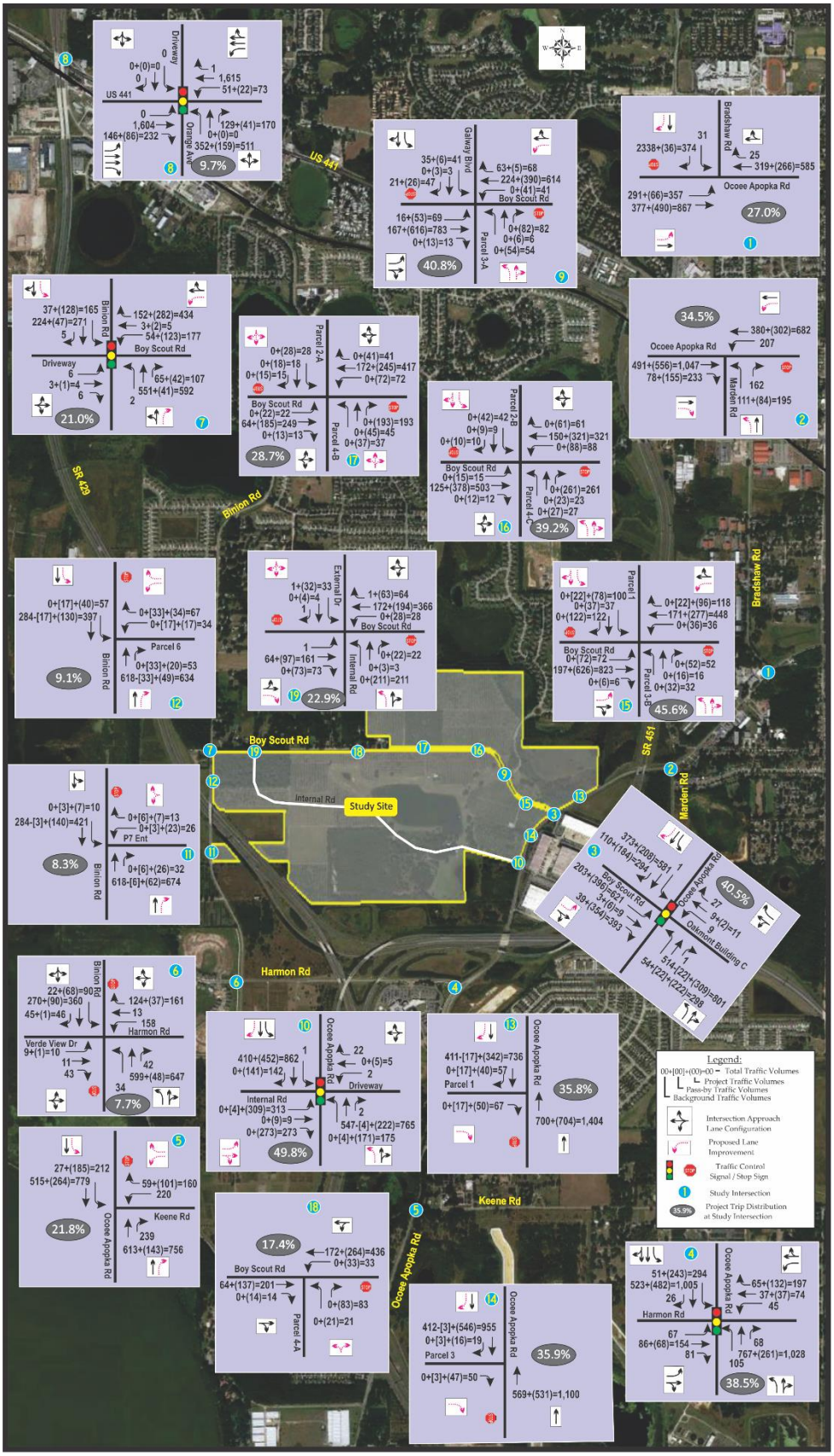


THE RIDGE PD

TRAFFIC IMPACT ANALYSIS

Projected A.M. Peak Hour Traffic Volumes

Figure 5



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TRAFFIC IMPACT ANALYSIS

Projected P.M. Peak Hour Traffic Volumes

Figure 6

TABLE 5
Projected 2027 Traffic Volumes Analysis

Roadway Segment		Project Trip	Daily Traffic Volumes			PM Peak Hour Traffic Volumes						Available Capacity (2)		Revised Available Capacity (3)		Meets LOS Standard	
			Background			Background											
From	To	Distribution	(1)	Project	Total	(1)		Project		Total		Daily	PM Peak	Daily	PM Peak	Daily	PM Peak
CR 437A (Ocoee-Apopka Road)						**NB**	**SB**	**NB**	**SB**	**NB**	**SB**						
Keene Rd	Harmon Rd	22.6%	14,277	6,527	20,804	666	639	252	466	918	1,105	4,184	250	(2,343)	(216)	**No**	**No**
Harmon Rd	Internal Road	35.2%	14,118	10,154	24,272	647	621	393	724	1,040	1,345	4,343	269	(5,811)	(455)	**No**	**No**
Internal Road (4)	Boy Scout Rd	34.6%	14,118	9,992	24,110	647	621	522	578	1,169	1,199	4,343	269	(5,649)	(309)	**No**	**No**
Boy Scout Rd	Marden Rd	34.2%	16,560	9,880	26,440	752	716	705	382	1,457	1,098	2,075	169	(7,805)	(536)	**No**	**No**
Marden Rd	Bradshaw Rd	27.0%	16,560	7,798	24,358	752	716	556	302	1,308	1,018	2,075	169	(5,723)	(387)	**No**	**No**
Binion Road						**NB**	**SB**	**NB**	**SB**	**NB**	**SB**						
Ocoee Apopka Rd	Harmon Rd	4.4%	6,751	1,271	8,022	339	355	49	91	388	446	11,270	538	9,999	447	Yes	Yes
Harmon Rd	Boy Scout Rd	7.9%	9,074	2,282	11,356	461	403	88	163	549	566	9,019	437	6,737	274	Yes	Yes
Boy Scout Rd	Lakeview Dr	15.7%		4,534	4,534	554	421	323	175	877	596	6,601	350	2,067	27	Yes	Yes
Lakeview Dr	US 441	7.7%	8,333	2,224	10,557	424	305	159	86	583	391	9,699	475	7,475	316	Yes	Yes
Boy Scout Road (4)						**EB**	**WB**	**EB**	**WB**	**EB**	**WB**						
Binion Rd	Ocoee Apopka Rd	21.3%	4,558	6,151	10,709	140	166	361	330	501	496	12,347	627	6,196	266	Yes	Yes
Bradshaw Road						**NB**	**SB**	**NB**	**SB**	**NB**	**SB**						
US 441	Johns Rd	3.2%	9,021	924	9,945	461	446	66	36	527	482	7,274	346	6,350	280	Yes	Yes
Johns Rd	Ocoee Apopka Rd	3.2%	8,026	924	8,950	407	394	66	36	473	430	8,269	400	7,345	334	Yes	Yes
Harmon Road						**EB**	**WB**	**EB**	**WB**	**EB**	**WB**						
Binion Rd	Ocoee Apopka Rd	3.3%	4,365	953	5,318	222	222	37	68	259	290	11,672	579	10,719	511	Yes	Yes
Keene Road						**EB**	**WB**	**EB**	**WB**	**EB**	**WB**						
Ocoee Apopka Rd	Marden Rd	9.0%	7,305	2,599	9,904	399	287	101	185	500	472	8,965	414	6,366	313	Yes	Yes
Marden Rd	Clarcona Rd (CR 435)	14.7%	7,170	4,245	11,415	381	293	164	303	545	596	9,124	426	4,879	123	Yes	Yes
Marden Road						**NB**	**SB**	**NB**	**SB**	**NB**	**SB**						
Ocoee Apopka Rd	SR 414	7.5%	10,485	2,166	12,651	475	392	84	155	559	547	3,973	261	1,807	177	Yes	Yes
SR 414	Keene Rd	7.1%	8,445	2,050	10,495	428	324	79	146	507	470	4,703	288	2,653	209	Yes	Yes

1. From Table 4

2. From Table 1

3. Available Capacity - Project Traffic = Revised Available Capacity

4. Project Trip Distribution and Project Trips are calculated based on Weighted Trips Worksheet (see below)

Weighted Project Trips Worksheet

Roadway Segment Name		Roadway Segment Length (Ft)	Project Trip Distribution	Project Trips Weighted % Dist Calculations	Project Trips		Project Trips Weighted Trips Calculations	
From	To				EB	WB	EB	WB
Boy Scout Road								
Binion Rd	Parcel 6	1,085	10.7%	11577.0%	170	405	184,450	439,425
Parcel 6	Parcel 4-A	1,130	13.7%	15503.6%	152	285	171,760	322,050
Parcel 4-A	Parcel 4-B/Parcel 2-A	1,310	16.3%	21313.7%	220	297	288,200	389,070
Parcel 4-B/Parcel 2-A	Parcel 4-C/Parcel 2-B	1,005	20.9%	21004.5%	406	358	408,030	359,790
Parcel 4-C/Parcel 2-B	Galway Blvd/Parcel 3-A	810	36.2%	29346.3%	682	470	552,420	380,700
Galway Blvd/Parcel 3-A	Parcel 1/Parcel 3-A	700	34.2%	23926.0%	688	398	481,600	278,600
Parcel 1/Parcel 3-A	Ocoee-Apopka Rd	450	34.1%	15327.0%	704	378	316,800	170,100
	Total	6,490		137998.1%			2,403,260	2,339,735
				21.3%			**370**	**361**
Ocoee Apopka Road					EB	WB	EB	WB
Internal Rd	Parcel 3	510	34.8%	17737.8%	531	562	270,810	286,620
Parcel 3	Boy Scout Rd	510	34.4%	17544.0%	531	593	270,810	302,430
	Total	1,020		35281.8%			541,620	589,050
				34.6%			**531**	**578**

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TABLE 6

Study Intersections Projected (2027) Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)
3 - Ocoee Apopka Road (EB/WB) and Boy Scout Road (SB)/Oakmont Building C (NB)												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	515		72.8	0.93	E	445	54.7	0.92	D	400
	Thru	1			16.0	0.46	B		26.2	0.82	C	
	Right	<										
WB	Left	1	445		25.3	0.03	C	22	39.9	0.01	D	5
	Thru	1			59.6	0.95	E		49.7	0.91	D	
	Right	1	240		32.1	0.52	C	164	30.8	0.54	C	137
NB	Left	>										
	Thru	1			59.7	0.05	E		55.4	0.21	E	
	Right	1	80		60.5	0.14	E	0	60.5	0.47	D	0
SB	Left	1	960		87.6	1.00	F	743	74.3	0.99	E	718
	Thru	1			40.2	0.61	D		35.7	0.74	D	
	Right	<										
Intersection Summary					52.9		D		44.7		D	
4 - Ocoee Apopka Road and Harmon Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	215		49.8	0.59	D	118	47.5	0.55	D	105
	Thru	1			29.2	0.26	C		36.9	0.68	D	
	Right	<										
WB	Left	1	200		32.4	0.19	C	60	39.5	0.28	D	57
	Thru	1			45.9	0.81	D		49.1	0.83	D	
	Right	<										
NB	Left	1	250		13.4	0.23	B	35	11.7	0.32	B	37
	Thru	1			13.6	0.69	B		21.7	0.68	C	
	Right	<										
SB	Left	1	250		31.3	0.54	C	118	20.1	0.79	C	185
	Thru	2			8.6	0.39	A		15.5	0.55	B	
	Right	<										
Intersection Summary					19.0		B		23.5		C	
7 - Binion Road and Boy Scout Road/Driveway												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>										
	Thru	1			19.0	0.04	B		25.0	0.08	C	
	Right	<										
WB	Left	1	290		14.8	0.29	B	85	21.8	0.43	C	116
	Thru	1			14.5	0.54	B		36.5	0.89	D	
	Right	<										
NB	Left	>										
	Thru	1			18.0	0.60	B		31.1	0.86	C	
	Right	1	240		16.3	0.41	B	22	15.9	0.20	B	8
SB	Left	1	290		13.6	0.63	B	91	19.9	0.63	B	107
	Thru	1			9.5	0.53	A		10.0	0.30	A	
	Right	<										
Intersection Summary					13.8		B		26.2		C	
8 - US 441 and Orange Avenue/Driveway												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	140		0.0	0.00	A	0	0.0	0.00	A	0
	Thru	2			17.6	0.76	B		37.2	0.93	D	
	Right	1	510		10.7	0.34	B	41	18.1	0.30	C	52
WB	Left	1	300		32.3	0.78	C	137	31.3	0.54	D	60
	Thru	2			8.0	0.52	A		23.6	0.77	D	
	Right	<										
NB	Left	>										
	Thru	1			230.3	1.34	**F**		245.5	1.42	**F**	
	Right	>										
SB	Left	<										
	Thru	1			0.0	0.00	A		0.0	0.00	A	
	Right	>										
Intersection Summary					32.4		C		64.5		E	

TABLE 6 (Continued)

Study Intersections Projected (2027) Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)	LnGrp Avg Delay (d) (sec/veh)	LnGrp V/C Ratio	LnGrp LOS	95th %ile Queue (Feet)
10 - Ocoee Apopka Road (NB/SB) and Internal Road (EB)/Oakmont Driveway (WB)												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	300		25.5	0.45	C	124	49.9	0.81	D	412
	Thru	1			25.2	0.47	C		39.5	0.77	D	
	Right	<										
WB	Left	>										
	Thru	1			22.3	0.04	C		40.5	0.15	D	
	Right	<										
NB	Left	1	250		17.4	0.70	B	188	41.4	0.83	D	169
	Thru	1			6.4	0.55	A		18.2	0.75	B	
	Right	<										
SB	Left	1	520		9.5	0.03	A	13	14.7	0.00	B	2
	Thru	1			20.4	0.87	C		38.8	0.95	D	
	Right	1	300		9.8	0.27	A	33	12.9	0.18	B	33
Intersection Summary					15.4		B		32.8		C	
Approach / Movement		**Lanes**	**Turn Lane Length**	**Traffic Control**	**Control Delay (s) (sec/veh)**	**Lane V/C Ratio**	**Lane LOS**	**95th %ile Queue (Feet)**	**Control Delay (s) (sec/veh)**	**Lane V/C Ratio**	**Lane LOS**	**95th %ile Queue (Feet)**
1 - Ocoee Apopka Road and Bradshaw Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		Free Flow	11.2	0.340	B	38	11.3	0.399	B	48
	Thru	1										
WB	Thru	1		Free Flow								
	Right	<										
SB	Left	>			258.4	1.444	**F**	513	1,852.0	4.900	**F**	1,148
	Right	<										
2 - Ocoee Apopka Road and Marden Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Thru	1		Free Flow								
	Right	<										
WB	Left	>		Free Flow	9.9	0.097	A	8	17.2	0.426	C	53
	Thru	1										
NB	Left	>			811.1	2.650	**F**	843	8,839.8	19.778	**F**	1,190
	Right	<										
5 - Ocoee Apopka Road and Keene Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
WB	Left	>			1,529.9	4.200	**F**	1,050	5,600.6	12.903	**F**	1,230
	Right	<										
NB	Thru	1		Free Flow								
	Right	<										
SB	Left	>		Free Flow	11.1	0.174	B	15	13.1	0.336	B	38
	Thru	1										
6 - Binion Road and Harmon Road/Verde View Drive												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>			94.7	0.863	**F**	150	36.0	0.370	E	40
	Thru	1										
	Right	<										
WB	Left	>			145.0	1.106	**F**	263	696.6	2.394	**F**	745
	Thru	1										
	Right	<										
NB	Left	1	415		8.9	0.014	A	0	8.3	0.032	A	3
	Thru	1		Free Flow								
	Right	<										
SB	Left	>										
	Thru	1		Free Flow	8.3	0.062	A	5	9.6	0.108	A	10
	Right	<										

TABLE 6 (Continued)

Study Intersections Projected (2027) Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)
9 - Boy Scout Road and Galway Boulevard/Parcel 3-A Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	150	Free Flow	8.9	0.049	A	5	9.8	0.054	A	5
	Thru	1										
	Right	<										
WB	Left	1	200	Free Flow	8.8	0.040	A	3	9.4	0.082	A	8
	Thru	1										
	Right	<										
NB	Left	1	150	STOP	23.6	0.052	C	5	45.4	0.395	E	43
	Thru	1			14.7	0.025	B	3	19.3	0.270	C	28
	Right	<										
SB	Left	1		STOP	32.4	0.452	D	55	54.7	0.379	**F**	40
	Thru	1			14.0	0.169	B	15	15.0	0.128	C	10
	Right	<										
11 - Binion Road and Parcel 7 Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
WB	Left	>		STOP	16.9	0.030	C	3	22.5	0.167	C	15
	Right	<										
NB	Thru	1		Free Flow								
	Right	1	240									
SB	Left	>		Free Flow	8.3	0.003	A	0	9.2	0.012	A	0
	Thru	1										
12 - Binion Road and Parcel 6 Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
WB	Left	1		STOP	19.3	0.032	C	3	24.8	0.131	C	10
	Right	1			10.9	0.022	B	3	13.6	0.032	B	3
NB	Thru	1		Free Flow								
	Right	1	240									
SB	Left	1	290	Free Flow	8.3	0.022	A	3	9.2	0.012	A	0
	Thru	1										
13 - Ocoee Apopka Road and Parcel 1 Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Right	1		STOP	18.6	0.081	C	8	16.0	0.178	C	15
NB	Thru	1		Free Flow								
SB	Thru	1		Free Flow								
	Right	1	240									
14 - Ocoee Apopka Road and Parcel 3 Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Right	1		STOP	18.2	0.128	C	10	20.0	0.180	C	15
NB	Thru	1		Free Flow								
SB	Thru	1		Free Flow								
	Right	1	240									
15 - Boy Scout Road and Parcel 1 Entrance/Parcel 3-B Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	1	200	STOP	15.9	0.049	C	5	43.7	0.267	E	25
	Thru	1			8.6	0.057	A	5	21.5	0.248	C	25
	Right	<										
WB	Left	1	200	STOP	28.8	0.201	D	18	106.6	0.835	**F**	128
	Thru	1			13.3	0.059	B	5	22.1	0.446	C	55
	Right	<										
NB	Left	1	150	Free Flow	8.6	0.057	A	5	9.0	0.077	A	8
	Thru	1										
	Right	<										
SB	Left	1	150	Free Flow	9.4	0.078	A	8	9.9	0.049	A	5
	Thru	1										
	Right	<										

TABLE 6 (Continued)

Study Intersections Projected (2027) Level of Service

Approach / Movement		Lanes	Turn Lane Length	Traffic Control	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)	Control Delay (s) (sec/veh)	Lane V/C Ratio	Lane LOS	95th %ile Queue (Feet)
16 - Boy Scout Road and Parcel 2-B Entrance/Parcel 4-C Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		Free Flow	8.2	0.014	A	0	8.2	0.140	A	0
	Thru	1										
	Right	<										
WB	Left	>		Free Flow	9.0	0.137	A	13	8.9	0.090	A	8
	Thru	1										
	Right	<										
NB	Left	**1**	150	STOP	20.5	0.031	C	3	19.5	0.103	C	8
	Thru	**1**			12.0	0.087	B	8	21.7	0.588	C	95
	Right	<										
SB	Left	**1**	150	STOP	31.4	0.385	D	43	78.7	0.491	**F**	53
	Thru	**1**			11.2	0.030	B	3	14.5	0.050	B	5
	Right	<										
17 - Boy Scout Road and Parcel 2-A Entrance/Parcel 4-B Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		Free Flow	7.9	0.018	A	3	8.4	0.021	A	3
	Thru	1										
	Right	<										
WB	Left	>		Free Flow	8.3	0.091	A	8	8.0	0.059	A	5
	Thru	1										
	Right	<										
NB	Left	>		STOP	12.9	0.108	B	10	27.6	0.658	D	115
	Thru	**1**										
	Right	<										
SB	Left	>		STOP	37.1	0.571	E	80	36.0	0.359	E	38
	Thru	**1**										
	Right	<										
18 - Boy Scout Road and Parcel 4-A Entrance												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Thru	1		Free Flow								
	Right	<										
WB	Left	<		Free Flow	8.2	0.045	A	3	7.8	0.026	A	3
	Thru	1										
NB	Left	>		STOP	11.8	0.085	B	8	11.6	0.167	B	15
	Right	<										
19 - Boy Scout Road and Internal Road												
					A.M. Peak Hour				**P.M. Peak Hour**			
EB	Left	>		Free Flow	0.0	0.000	A	0	8.2	0.001	A	0
	Thru	1										
	Right	**1**										
WB	Left	>		Free Flow	8.2	0.021	A	3	7.9	0.022	A	3
	Thru	1										
	Right	<										
NB	Left	**1**	150	STOP	14.9	0.273	B	28	28.5	0.602	D	95
	Thru	**1**			10.2	0.130	B	10	10.0	0.035	B	3
	Right	<										
SB	Left	>		STOP	17.0	0.142	C	13	17.0	0.118	C	10
	Thru	**1**										
	Right	<										

Luke Transportation Engineering Consultants, Inc., 2021

As part of the development plan for the Project, the following existing and proposed study intersections will be signalized:

- Ocoee Apopka Road and Boy Scout Road (Intersection #3),
- Ocoee Apopka Road and Internal Road (Intersection #10), and
- Binion Road and Boy Scout Road (Intersection #7).

Printouts of the intersection analyses may be found in **Appendix J**. Warranted auxiliary turn lanes are highlighted in red in **Table 6**.

Based on the projected Background traffic analysis, the two existing adverse intersections (Ocoee Apopka Road (CR 437A) and Marden Road and Ocoee Apopka Road (CR 437A) and Keene Road) will continue to operate at a deficient LOS for the minor street approach. Both intersections have minor street volume to capacity ratios over 1.0 which indicates the delay is due to the operational capacity of the intersection. Installation of auxiliary turn lanes on all approaches and installation of a traffic signal at each of these intersections will result in an acceptable level of service.

Based on the projected total traffic volumes two (2) of the existing study intersections are projected to operate with deficient levels of service for the minor street movements. The impacted existing study intersections are as follows:

- Ocoee Apopka Road (CR 437A) and Bradshaw Road (Intersection #1), and
- Binion Road and Harmon Road/Verde View Drive (Intersection #6).

The intersection of Ocoee Apopka Road (CR 437A) and Bradshaw Road is projected to operate at a deficient LOS for the minor street approach. The minor street volume to capacity ratio is over 1.0 which indicates the delay is due to the operational capacity of the intersection. Adding warranted auxiliary turn lanes and installation of a traffic signal (when warranted) at this intersection will result in an acceptable level of service.

The intersection of Binion Road and Harmon Road/Verde View Drive is projected to operate at a deficient LOS for the minor street approach. The minor street volume to capacity ratio is over 1.0 which indicates the delay is due to the operational capacity of the intersection. Installation of a traffic signal (when warranted) at this intersection will result in an acceptable level of service.

Based on the projected total traffic volumes three (3) of the future Project access intersections are projected to operate with deficient levels of service for the minor street movements. The impacted Project intersections are as follows:

- Boy Scout Road and Galway Boulevard/Parcel 3-A Entrance (Intersection #9),
- Boy Scout Road and Parcel 1 Entrance/Parcel 3-B Entrance (Intersection #14), and

- Boy Scout Road and Parcel 2-B Entrance/Parcel 4-C Entrance (Intersection #15).

The Boy Scout Road and Galway Boulevard/Parcel 3-B Entrance intersection is projected to operate at a deficient level of service for the minor street movement. However, the volume to capacity ratio for the deficient approaches is less than 1.0, which indicates a delay issue due to the main street traffic volumes and is not a capacity issue.

The two Boy Scout Road and Project parcels intersections (14 and 15) are projected to have deficient levels of service for some of the minor street movements. However, all have volume to capacity ratios for the deficient approaches which are less than 1.0, which indicates a delay issue due to the main street traffic volumes and is not a capacity issue.

Auxiliary Turn Lanes

An evaluation was conducted to determine if projected traffic volumes at the deficiently operating study intersections would meet the minimum requirements for auxiliary turn lanes. Procedures documented in the *NCHRP Report 457: Evaluating Intersection Improvements, 2001* were used to evaluate the need for an auxiliary turn lane at the study intersections.

The results utilizing the *NCHRP Report 457* analysis procedures indicate that based on the projected peak hour traffic volumes, auxiliary turn lanes are warranted at the following locations (these turn lanes are highlighted in **Figure 5** and **Figure 6** as dashed red arrows). See **Appendix K** for the auxiliary turn lane warrants.

- Ocoee Apopka Road (CR 437A) and Bradshaw Road – Eastbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Bradshaw Road – Southbound Right-Turn Lane
- Ocoee Apopka Road (CR 437A) and Marden Road – Westbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Marden Road – Eastbound Right-Turn Lane
- Ocoee Apopka Road (CR 437A) and Marden Road – Northbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Boy Scout Road – Eastbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Boy Scout Road – Southbound Right-Turn Lane
- Ocoee Apopka Road (CR 437A) and Internal Road – Northbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Internal Road – Southbound Right-Turn Lane
- Ocoee Apopka Road (CR 437A) and Internal Road – Eastbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Keene Road – Westbound Left-Turn Lane
- Ocoee Apopka Road (CR 437A) and Keene Road – Northbound Right-Turn Lane
- Ocoee Apopka Road (CR 437A) and Keene Road – Southbound Left-Turn Lane
- Binion Road and Boy Scout Road – Westbound Left-Turn Lane
- Binion Road and Boy Scout Road – Northbound Right-Turn Lane
- Binion Road and Boy Scout Road – Southbound Left-Turn Lane
- Boy Scout Road and Galway Boulevard/Parcel 3-A – Westbound Left Turn Lane

Transit

Typically, the average walking distance to a transit stop is a quarter-mile to a half-mile. The closest transit route is Route 404 (Apopka Circulator) with a stop on 13th Street at South Hawthorne Avenue approximately 0.94 miles from the Ocoee Apopka Road (CR 437A) and Boy Scout Road intersection. Current weekday headway for transit route 404 is 60-minutes. Per the City Code, Policy 9.7, the proposed development may participate in developing a bus turnout lane and covered seating areas within the proposed development.

Bicycle Paths/Trails

The closest trail to The Ridge PD site is the Lake Apopka Loop Trail which is located approximately 3.17 miles west via Binion Road north to Lust Road to the trail at the Historic Pump House. A copy of the trail map is included in **Appendix L**. Provisions to accommodate bicycle access should be incorporated into the site plan.

Pedestrian

No sidewalks currently exist along Binion Road, Boy Scout Road or Ocoee Apopka Road (CR 437A). The future on-site sidewalk system should be constructed to serve any pedestrians of this development and should be designed to connect to any future external Binion Road, Boy Scout Road or Ocoee Apopka Road (CR 437A) sidewalk systems to facilitate and encourage alternative modes of transportation. The intent is to create a pedestrian-friendly project with ample sidewalks and crosswalks within the Project with connections to any future external sidewalk systems adjacent to the proposed development.

STUDY CONCLUSIONS

This study was undertaken to evaluate existing and future traffic conditions in the vicinity of the proposed The Ridge PD in southwest Apopka, Florida. The study involved an analysis of the City's CMS roadways served by The Ridge PD trips. The external trips to be generated by The Ridge PD were estimated to be 28,887 net new daily vehicle trip ends, 2,345 net new A.M. peak hour vehicle trip ends and 3,177 net new P.M. peak hour vehicle trip ends.

The Project's trip ends were distributed and assigned to the adjacent roadways and study intersections. The results of the study as are summarized below:

- The proposed The Ridge PD development consist of 1,500,000 square feet of industrial use, 643 single family dwelling units, 678 multi-family dwelling units, 24,000 square feet of office space and 300,000 square feet of retail space.
- Based on the projected total traffic volumes at Build-out, all but one of the study roadways to be impacted by the proposed The Ridge PD development have available capacity. The roadway projected to be over capacity is Ocoee Apopka Road (CR 437A). The deficient roadway segments are as follows:
    - Ocoee Apopka Road (CR 437A) between Keene Road and Harmon Road,
    - Ocoee Apopka Road (CR 437A) between Harmon Road and Internal Road,
    - Ocoee Apopka Road (CR 437A) between Internal Road and Boy Scout Road,
    - Ocoee Apopka Road (CR 437A) between Boy Scout Road and Marden Road, and
    - Ocoee Apopka Road (CR 437A) between Marden Road and Bradshaw Road.
- Two (2) of the unsignalized study intersections currently operate with deficient level of services for the minor street movements. They are Ocoee Apopka Road (CR 437A) an Marder Road and Ocoee Apopka Road (CR 437A) and Keene Road. Both intersections have minor street volume to capacity ratios over 1.0 which indicates the delay is due to the operational capacity of the intersection. Installation of auxiliary turn lanes and a traffic signal at each of these intersections will result in an acceptable level of service.
- Based on the projected total traffic volumes (Background plus Project) two (2) of the existing study intersections are projected to operate with deficient levels of service for the minor street movements. The impacted existing study intersections are as follows:
    - Ocoee Apopka Road (CR 437A) and Bradshaw Road, and
    - Binion Road and Harmon Road/Verde View Drive.
- The intersection of Ocoee Apopka Road (CR 437A) and Bradshaw Road is projected to operate at a deficient LOS for the minor street approach. The minor street volume to capacity ratio is over 1.0 which indicates the delay is due to the

operational capacity of the intersection. Adding warranted auxiliary turn lanes and installation of a traffic signal (when warranted) at this intersection will result in an acceptable level of service.

- The intersection of Binion Road and Harmon Road/Verde View Drive is projected to operate at a deficient LOS for the minor street approach. The minor street volume to capacity ratio is over 1.0 which indicates the delay is due to the operational capacity of the intersection. Installation of a traffic signal (when warranted) at this intersection will result in an acceptable level of service.
- Based on the projected total traffic volumes three (3) of the Project access intersections are projected to operate with deficient levels of service for the minor street movements. The impacted Project access intersections are as follows:
  - Boy Scout Road and Galway Boulevard/Parcel 3-A Entrance,
  - Boy Scout Road and Parcel 1 Entrance/Parcel 3-B Entrance, and
  - Boy Scout Road and Parcel 2-B Entrance /Parcel 4-C Entrance.
- The Boy Scout Road and Galway Boulevard/Parcel 3-A Entrance intersection is projected to operate at a deficient level of service for the minor street movement. The volume to capacity ratio for the deficient approach is less than 1.0, which indicates a delay issue due to the main street traffic volumes and is not a capacity issue.
- The Project access intersections on Boy Scout Road which are projected to operate with deficient levels of service for the minor street movement all have volume to capacity ratio for the deficient approaches which are less than 1.0, which indicates a delay issue due to the main street traffic volumes and is not a capacity issue.
- All the remaining study intersections are projected to operate at acceptable levels of service, similar to existing conditions.
- The following study intersections warrant auxiliary turn lanes:
  - Ocoee Apopka Road (CR 437A) and Bradshaw Road – Eastbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Bradshaw Road – Southbound Right-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Marden Road – Westbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Marden Road – Eastbound Right-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Marden Road – Northbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Keene Road – Westbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Keene Road – Northbound Right-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Keene Road – Southbound Left-Turn Lane
- The following Project access intersections and access driveway connections warrant the following auxiliary turn lanes:
  - Ocoee Apopka Road (CR 437A) and Boy Scout Road – Eastbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Boy Scout Road – Southbound Right-Turn Lane

  - Ocoee Apopka Road (CR 437A) and Internal Road – Northbound Left-Turn Lane
  - Ocoee Apopka Road (CR 437A) and Internal Road – Southbound Right-Turn Lane
  - Binion Road and Boy Scout Road – Westbound Left-Turn Lane
  - Binion Road and Boy Scout Road – Northbound Right-Turn Lane
  - Binion Road and Boy Scout Road – Southbound Left-Turn Lane
  - Boy Scout Road and Galway Boulevard/Parcel 3-A – Westbound Left Turn Lane
- The proposed access driveways should be designed to City of Apopka and FDOT design standards.

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APPENDIX

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Appendix A – City Comments

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The following is the response to the February 19, 2021 review comments request for additional information. The **review comments** will be listed followed by our response.

1. **<u>Page 5: Turning Movement Counts:</u> The methodology describes procedures to adjust existing turning movement counts due to the traffic impacts of COVID-19, but there is no mention of adjustments in the report. Were adjustments performed?**

Response:

Adjustments were performed and the adjustment factor for each turning movement are presented one each intersection turning movement summary count sheet. In addition, the updated 2020 Apopka CMS traffic counts were also utilized. Copies of these counts are included in **Appendix C**.

2. **<u>Page 1: Study Area:</u> Please analyze the following intersections:**
   a. **Marden Road & SR 414 EB Ramp / Harmon Road**
   b. **Marden Road & SR 414 WB Ramp**

Response:

Per our discussion with the City, these intersections were not analyzed.

3. **<u>Page 5: Harmon Road Extension:</u> While the volumes seem reasonable, please describe the process used to forecast volumes along the Harmon Road extension and at the intersection of Ocoee Apopka Road and Harmon Road.**

Response:

The Harmon Road Extension traffic counts were based on traffic volumes developed for the May 2016 Ocoee Apopka Road and Harmon Road Roundabout Design Traffic Study and the model assignment for The Ridge PD.

4. **<u>Page 6: Table 1:</u> Please forecast Year 2019 volumes from the City's CMS data to Year 2021 using appropriate growth rates.**

Response:

As documented in **Table 4**, the existing 2020 CMS traffic volumes were projected to 2027 via a 1% annual growth rate and then the encumbered traffic was added. This process ensured that all background traffic had a minimum 2% annual growth rate.

5. **<u>Page 12: Internal Capture:</u> The retail parcel west of SR 429 will not likely have internal capture with the rest of the site. Please remove this parcel from Internal Capture calculations.**

Response:

As documented in **Table 3**, no internal capture was applied to Parcel 7.

6. **<u>Page 12: Internal Capture</u>: The numbers provided in Appendix E don't match the internal capture percentages or volumes shown in Table 3. Please update the table.**

Response:

The incorrect internal capture tables were included in the original Appendix E. The correct internal capture tables are now included in **Appendix G**.

7. **<u>Page 14: Distribution/Assignment:</u> Please provide separate figures (one for each peak-hour) showing the proposed project distribution and assignment to all study area intersections, including project driveways.**

Response:

The requested information is now included on both **Figure 5** (A.M. Peak Hour Traffic Volumes) and **Figure 6** (P.M. Peak Hour Traffic Volumes).

8. **<u>Page 15: Roadway Background Growth:</u> Please provide a side-by-side comparison of encumbered trips vs. ambient growth using the historical growth rates. Please document which growth rates were used. Note that Appendix G does not provide the growth rate percentages.**

Response:

The requested information is included with the Traffic Count Data in **Appendix D**.

9. **<u>Page 15: Intersection Volume Development:</u> Please provide detailed intersection volume development worksheets in the Appendix. These should include:**

   a. **Raw turning movement counts**
   b. **The seasonal factor applied**
   c. **Any COVID-19 factor applied**
   d. **Growth from encumbered trips or historic trends**
   e. **Project distribution percentages and assignment**
   f. **Total projected buildout trips**

Response:

The requested information is included with the Traffic Count Data in **Appendix D**.

10. <u>Page 17: Access Management:</u> The City will likely support the following configuration of project driveways on Ocoee Apopka Road:

- **Driveway 11 (now 10) – Internal Road: full unsignalized median opening to align with the existing driveway on the opposite side of Ocoee Apopka Road. This location is too close to Boy Scout Road to consider an additional traffic signal.**
- **Driveway 14 – Right turn in / right turn out only. Left turns across the existing turn lane are not to be allowed.**
- **Driveway 3 (Boy Scout Road) – Traffic signal, all movements allowed.**
- **Driveway 13 – Right turn in / right turn out only. Left turns across the existing turn lane are not to be allowed.**

Please modify the analysis to reflect the allowed movements and revise the trip assignment accordingly. Alternatively, if the applicant provides roadway concept plans and analyses that sufficiently demonstrate that an alternative configuration works, then the City will consider the alternative configuration.

Response:

The comments are noted. Both intersection 13 and 14 are now right-in/right-out only. Ocoee Apopka Road and Boy Scout Road will be a full access connection with a traffic signal.

The spacing for the Ocoee Apopka Road and Internal Road intersection is approximately 1,100 feet from the Ocoee Apopka Road and Boy Scout Road. As noted in the November 2019 FDOT Access Class Guidelines, "Traffic signals, proposed at intervals closer than the access management standard for the designated access class, will only be approved where the need for such signals(s) is clearly demonstrated for the safety and operation of the roadway through the signal warrant process." Based on the proposed development density and Project trip distribution, a traffic signal would be warranted at this intersection.

11. <u>Page 19: Table 5:</u> What is recommended to improve the level of service along deficient segments of Ocoee Apopka Road?

Response:

Suggested intersection improvements (added auxiliary turn lanes and signalization when warranted) for intersections with deficient levels of service are included in the text.

12. <u>Page 19: Weighted Project Trips Worksheet:</u> What were the weighted project trips used for?

Response:

The Weighted Project Trips Worksheet calculates the weighted average number of Project trips on the Boy Scout Road roadway segment between Binion Road and Ocoee Apopka Road. As shown in the weighted trips worksheet in **Table 5**, Project trips from the proposed development plan six driveways are assigned onto the Boy Scout Road segments between each driveway. The resulting weighted Project trips are then input into the upper portion of Table 5.

A similar process is followed for the segment of Ocoee Apopka Road between Boy scout Road the Internal Road.

13. <u>Page 24: Recommended Signalization:</u> Please confirm that the intersection of Ocoee Apopka Road and Marden Road will operate sufficiently with the installation of a traffic signal upon full buildout of the development. Please document if turn lanes are needed.

Response:

Copies of the Synchro projected intersection analysis worksheets and auxiliary turn lane worksheets are in the Appendix.

14. <u>Page 24: Signal Timings:</u> Please provide output reports that show proposed signal timings.

Response:

Copies of the requested Synchro worksheets are included in **Appendix J**.

15. <u>Page 25: Turn Lane Analysis:</u>

a. Please perform a turn lane analysis for all existing and future turn lanes significantly impacted by project trips. The analysis table should include the following: existing length of the turn lane (if applicable), required deceleration length, anticipated 95th percentile queue from the analysis outputs, total turn lane length required (deceleration + queue), and any deficiencies.

b. For project driveways along Binion Road, Boy Scout Road, and Ocoee Apopka Road, please analyze the need for exclusive turn lanes using Section 5.16.5 of the City's Land Development Code (LDC).

Response:

The requested auxiliary turn lane information is included in **Table 3** and **Table 6**. Copies of the NCHRP Report 457 auxiliary turn lane evaluation worksheets are included in **Appendix K**. Where auxiliary turn lanes are needed, they are highlighted in red dashed lines in **Figure 5** and **Figure 6** and are also highlighted in red in **Table 6**.

16. **<u>General Comment 1: Truck Traffic:</u> Truck traffic is important to analyze considering that the industrial parcel yields approximately 45 percent (45%) of the total net new peak-hour trips. Has any data been provided by the end-user to estimate the amount of truck trips anticipated? If no data is provided, please use ITE's *Trip Generation Manual, 10th Edition Supplement* to estimate what percentage of trips from the industrial parcel (ITE LUC 110) is anticipated to be truck trips. This information should be applied to a separate distribution and assignment for trucks as applicable.**

Response:

A review of the attached ITE LUC 110 trip generation data indicates that the number of daily trucks generated by the proposed industrial parcel will be 375. This represents approximately 5% of the industrial parcel total daily trips and only 1.3% of the total number of external trips generated by the proposed development. When the P.M. peak hour is calculated, the industrial parcel truck generation is only 15 vehicles. This represents approximately 1% of the total P.M. peak hour of the industrial parcel and only 0.5% of the total number of external trips generated by the proposed development. In addition, the trip generation table included in the analysis includes all the vehicles generated by each land use. Thus the abo e trucks are already included in the analysis and a separate distribution and assignment is not needed.

17. **<u>General Comment 2: Site Plan:</u> Driveway configurations will be reviewed after a more detailed site plan is provided.**

Response:

Comment noted.

18. **<u>General Comment 3: V/C Ratios:</u> Please address all volume-to-capacity deficiencies upon full buildout and describe the proposed mitigation strategy.**

Response:

Comment noted.

19. **<u>Boy Scout Road Approach Slope:</u> The relatively sudden rise in elevation approaching Ocoee Apopka Road must be reconstructed with a more gradual slope. Otherwise, the intersection will not efficiently accommodate the proposed traffic.**

Response:

Comment noted.

20. **<u>Appendix Comment:</u> Please include the City's most recent CMS data in the Appendix.**

Response:

Appendix C and **Appendix J** include the City's CMS data.

This concludes the response to the February 19, 2021 review comments.

General Light Industrial
(110)

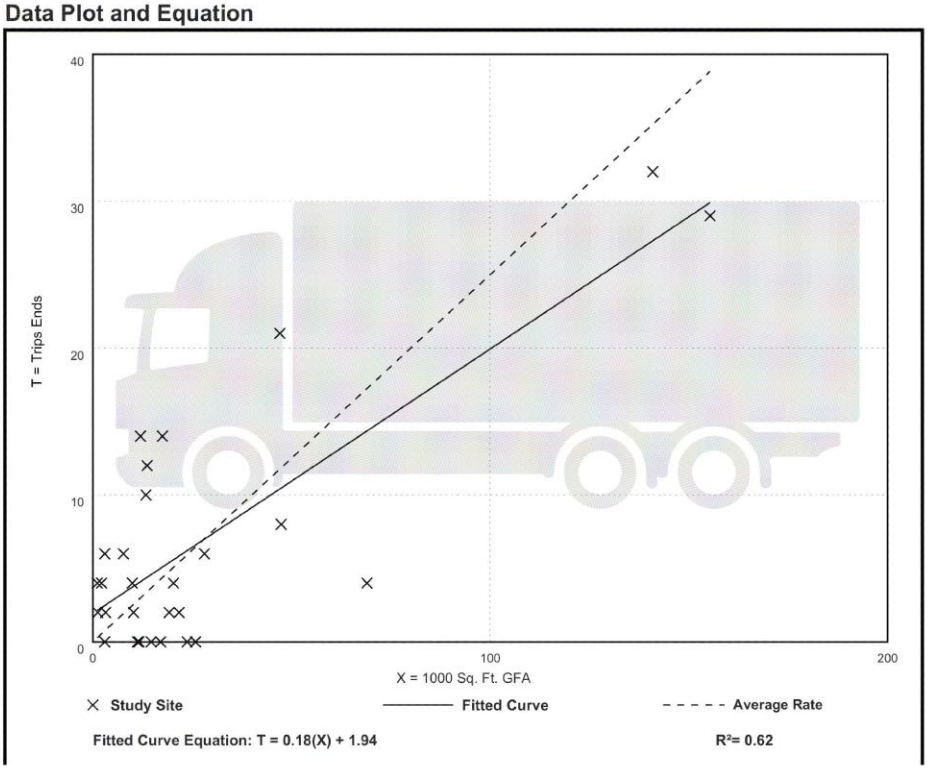
Truck Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 28
Avg. 1000 Sq. Ft. GFA: 27
Directional Distribution: 50% entering, 50% exiting

Truck Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.25	0.00 - 3.51	0.31

Data Plot and Equation



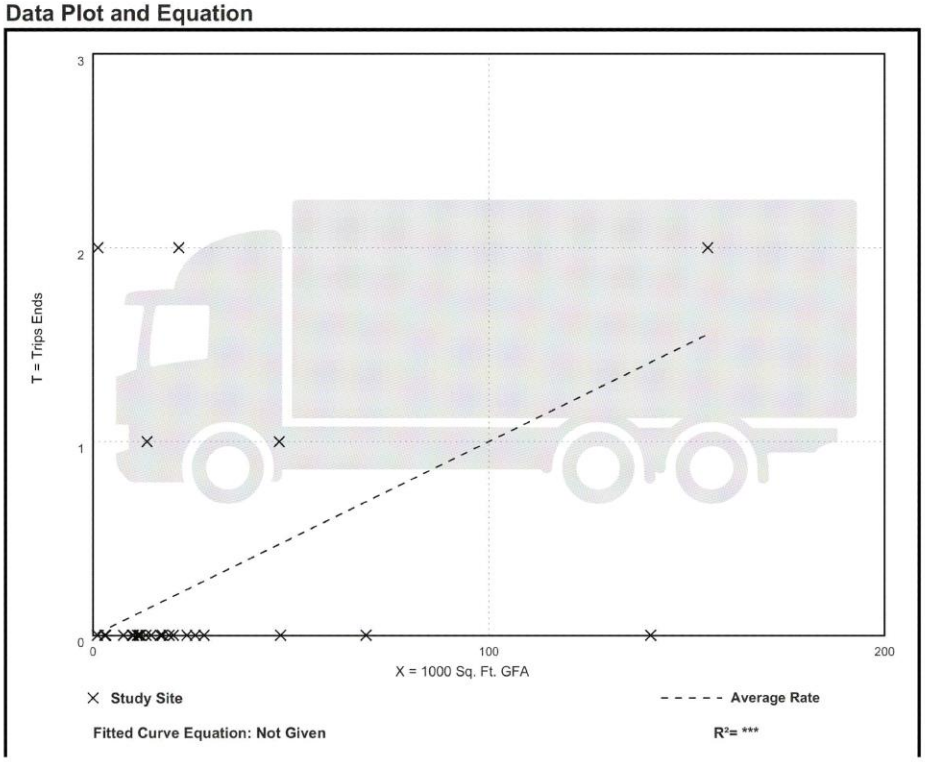
General Light Industrial
(110)

Truck Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 27
Avg. 1000 Sq. Ft. GFA: 28
Directional Distribution: 63% entering, 37% exiting

Truck Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.01	0.00 - 1.59	0.07

Data Plot and Equation



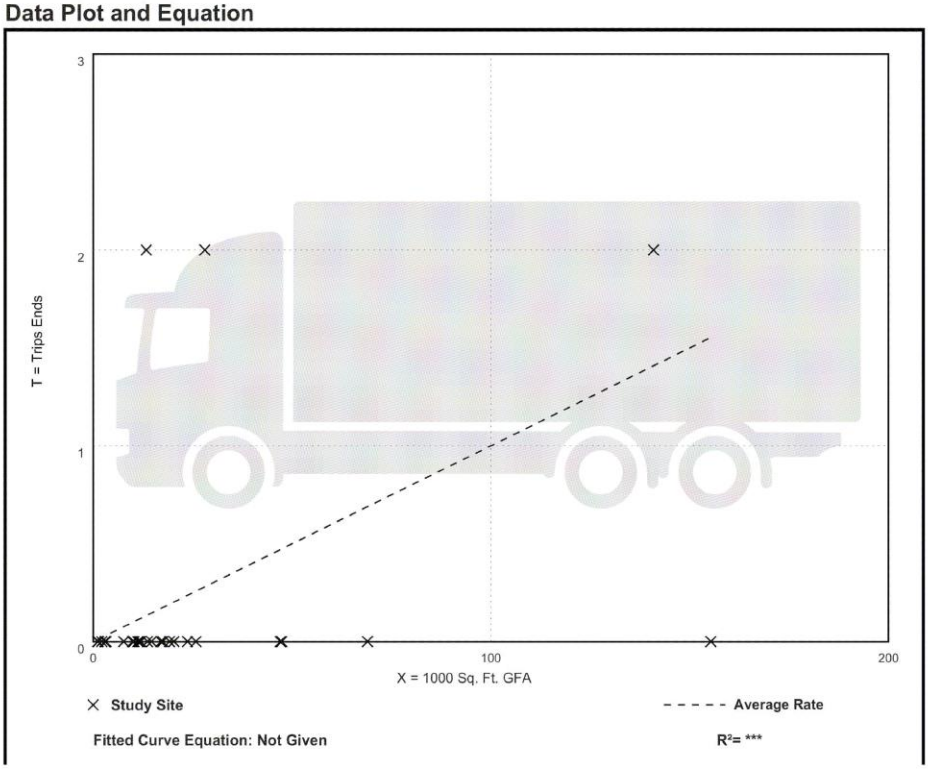
General Light Industrial
(110)

Truck Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 27
Avg. 1000 Sq. Ft. GFA: 27
Directional Distribution: 50% entering, 50% exiting

Truck Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.01	0.00 - 0.15	0.02

Data Plot and Equation



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Appendix B – Study Methodology

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MEMORANDUM

TO: Pam Richmond, AICP Via email:
FROM: J. Antony Luke, P.E.
DATE: October 2, 2020 (Revised October 28, 2020)
RE: Centerline Capital – Bronson Property: Traffic Impact Analysis Methodology, Apopka, Florida (LTEC № 19-4202)

The following is an outline of the traffic impact analysis methodology for the proposed Centerline Capital – Bronson Property. The development site is located on Boy Scout Road. The project site location and the surround area are shown in **Figure 1**.

1. Proposed Development

The proposed Centerline Capital – Bronson Property project will consist of a mixed-use development with 943 single family dwelling units, 378 Multi-Family dwelling units, 75,000 square feet of office space, 300,000 square feet of retail space and 1,500,000 square feet of industrial space on ±366.6 acres. For purposes of the traffic study, the Project will be constructed by the end of 2027.

2. Site Access

Access will be via driveways onto Boy Scout Road, Ocoee-Apopka Road and Binion Road. **Figure 2** shows a conceptual site plan.

3. Trip Generation

The 10th Edition of the ITE ***Trip Generation Report*** will be used for the trip generation calculation of the proposed development. See **Table 1** for an estimation of the daily, A.M. and P.M. peak hour traffic volumes. Adjusting for internal capture and pass-by capture (discussed below) will result in a total of 28,880 daily Net New (Primary) vehicle trip ends, 2,345 A.M. peak hour Net New (Primary) vehicle trip ends and 3,177 P.M. peak hour Net New (Primary) trip ends.

The total driveway trips generated by the mixed-use land use will comprise internal trips, "pass-by" trips and "new (primary)." Internal trips are defined as trips that occur between compatible land uses (i.e., trips occurring between residential, office and commercial land uses within the proposed development Mixed-Use parcel). Pass-by trips are defined as those trips from the passing roadway stream

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that would already be on the road. Therefore, internal traffic and pass-by traffic does not create additional impact on the surrounding roadways.

Utilizing the procedures contained in the ***ITE Trip Generation Handbook, 3rd Edition***, section on "*Trip Generation for Multi-Use Development*," an internal capture calculation was performed. Copies of the internal capture worksheets are included in **Appendix A**. **Table 1** includes the internal trip ends adjustment calculations at build-out based on the development scenario.

For the retail components of the development program, a pass-by traffic proportion was calculated. This was also based on the ***ITE Trip Generation Handbook, 3rd Edition***. The pass-by traffic volumes were checked to ensure it did not exceed 10% of the existing (2019) plus encumbered P.M. peak hour weekday traffic on the adjacent roadway segments of Binion Road, Boy Scout Road, and Ocoee-Apopka Road. This calculation represents the maximum limit of the pass-by traffic, relative to the P.M. peak hour traffic volumes on the adjacent roadways. **Table 1** includes the pass-by trip ends adjustment calculations at build-out based on the development scenarios.

4. Trip Distribution/Assignment

Project trip distribution and assignment of project trips will be based upon an OUATS Model 2030 assignment and a review of existing travel patterns. See **Figure 3** for the Project Trip Distribution plot and proposed Project trip distribution adjustments.

5. Study Roadways and Study Intersections

Based upon the City's transportation study methodology the impact area will consist of collector and arterial roadways within a one-mile diameter study area. **Table 2** lists the roads adjacent to the study site and within the potential impact area. This table also lists the functional classification, number of lanes, the adopted LOS standard, and adopted service volume.

The list of proposed study intersections is as follows:

- All Project access driveways on Boy Scout Road
- Project access driveways on Ocoee-Apopka Road
- Project access driveways on Binion Road
- Boy Scout Road and Galway Boulevard
- Ocoee-Apopka Road and Bradshaw Road
- Ocoee-Apopka Road and Boy Scout Road
- Binion Road and Boy Scout Road
- Ocoee-Apopka Road and Marden Road
- Ocoee-Apopka Road and Harmon Road
- Ocoee-Apopka Road and Keene Road
- Binion Road and Harmon Road
- US 441 and Orange Avenue

The study intersections will be analyzed for both the A.M. and P.M. peak hours.

In order to address current lower traffic count volumes associated with the Covid-19 pandemic, the following procedure will be followed:

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1. If existing intersection turning movement traffic counts from 2017, 2018 and 2019 are available they will be utilized. If none are available, turning movement counts will be collected for each of the above study intersections.

2. A 24-hour volume segment count will be collected at locations that align with selected adjacent current City of Apopka Annual count locations within or adjacent to the proposed study area. These segment counts would be compared to the segment volumes from the 2019 City of Apopka Annual count locations, providing adjustment factors that would be applied to the collected 2020 TMC's. The TMC's would then be normalized to 2019 conditions using these adjustment factors.

6. Trip Distribution/Assignment

- Perform a single phase (2027) assessment for the Project.
- Background traffic based on the City of Apopka's Concurrency Management System (CMS) 2019 update.
- Combine project traffic with background traffic to obtain total traffic flows.
- Project traffic assignment on the adjacent roadway segments for daily and the P.M. peak hour.
- Project traffic assignment at the study intersections will be provided for the A.M. and P.M. peak hours.
- Perform traffic analysis utilizing City service volumes (or capacities) for roadways and 6th Edition HCM operational analysis procedures for the study intersections.
- Intersection analysis to be performed for the A.M. and P.M. peak hours.

7. Traffic Report

Prepare traffic report summarizing study procedures, analyses and recommendations per the City of Apopka traffic impact analysis procedures. Two signed and sealed copies of the completed traffic study will be submitted to the City.

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Figure 1

CENTERLINE CAPITAL - BRONSON APOPKA

TRAFFIC IMPACT ANALYSIS

SITE LOCATION

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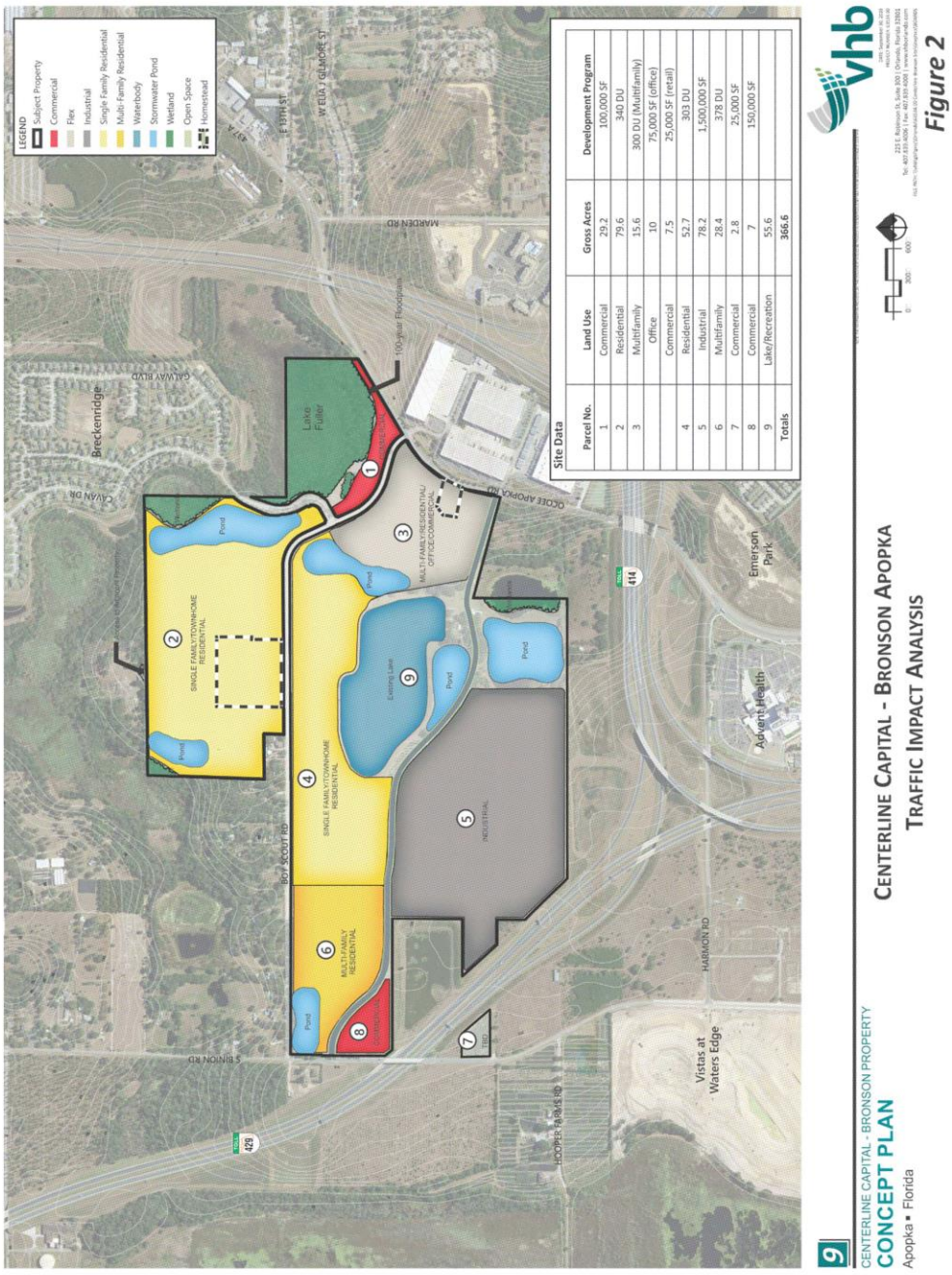

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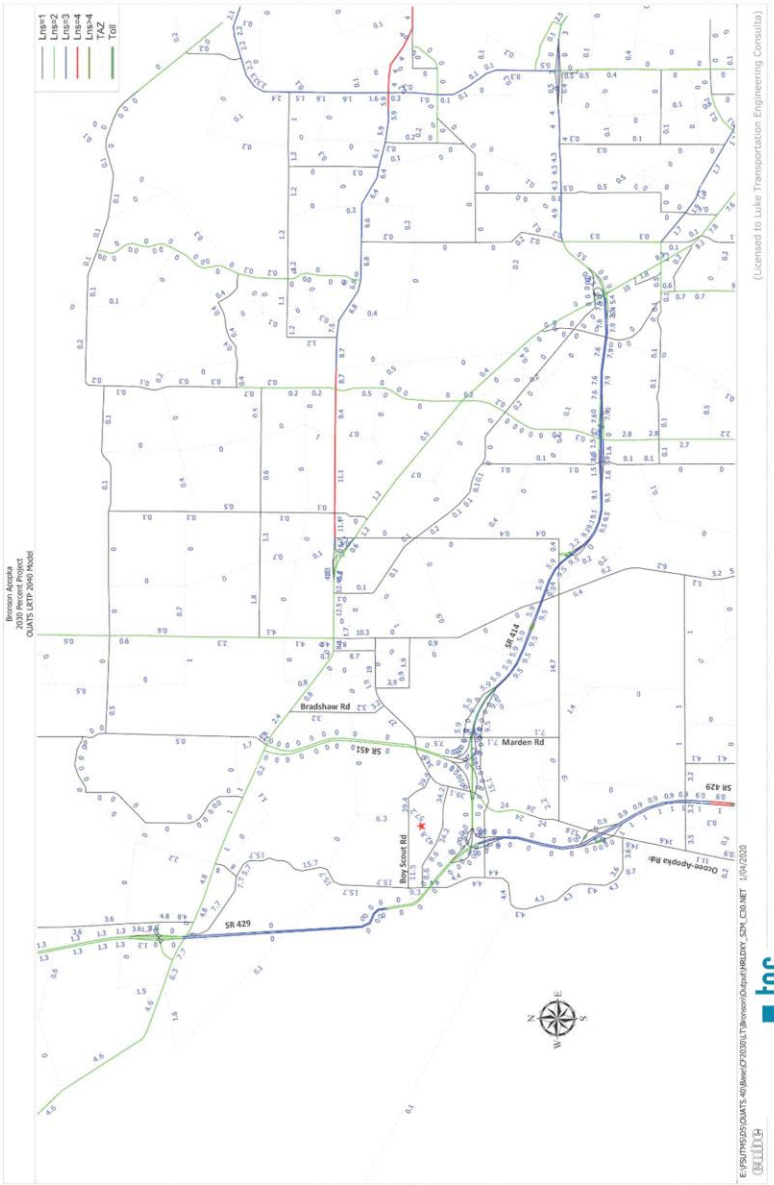

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TABLE 3
Estimated Trip Generation (1)

Parcel Number	Land Use	Size		ITE Code (2)	Trip Generation Rates							Traffic Volumes						
					Daily	A.M. Peak Hour			P.M. Peak Hour			Daily	A.M. Peak Hour			P.M. Peak Hour		
						Total	Enter	Exit	Total	Enter	Exit		Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000	SF	110 / R	4.96	0.70	0.62	0.08	0.97	0.13	0.84	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340	DU	210 /E	9.43	0.72	0.18	0.54	0.97	0.61	0.36	3,206	247	62	185	329	207	122
4	Single family	303	DU	210 /E	9.52	0.73	0.18	0.54	0.97	0.61	0.36	2,883	220	55	165	294	185	109
3	Multi-Family	300	DU	220 / E	7.42	0.45	0.10	0.35	0.52	0.33	0.19	2,227	135	31	104	157	99	58
6	Multi-Family	378	DU	220 / E	7.45	0.45	0.10	0.34	0.51	0.32	0.19	2,817	169	39	130	192	121	71
3	Office	75,000	SF	710 / E	10.70	1.29	1.11	0.18	1.16	0.19	0.97	803	97	83	14	87	14	73
3	Retail	25,000	SF	820 /R	37.75	0.94	0.58	0.36	3.81	1.83	1.98	944	24	15	9	96	46	50
1	Retail	100,000	SF	820 /E	60.12	2.02	1.25	0.77	5.43	2.61	2.83	6,012	202	125	77	544	261	283
7	Retail	25,000	SF	820 /R	37.75	0.94	0.58	0.36	3.81	1.83	1.98	944	24	15	9	96	46	50
8	Retail	150,000	SF	820 /E	52.80	1.51	0.94	0.58	4.89	2.35	2.54	7,921	227	141	86	733	352	381
				Total								*35,197*	*2,395*	*1,490*	*905*	*3,983*	*1,520*	*2,463*

Parcel Number	Land Use	Size		Internal Capture (3)		Internal Capture						External Trips (4)						
				Daily	AM Pk	PM Pk	Daily	A.M. Peak Hour			P.M. Peak Hour			A.M. Peak Hour			P.M. Peak Hour		
								Total	Enter	Exit	Total	Enter	Exit	Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000	SF	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340	DU	17.2%	1.6%	28.9%	551	4	1	3	95	68	27	2,655	243	61	182	234	139	95
4	Single family	303	DU	16.9%	1.4%	28.6%	488	3	1	2	84	60	24	2,395	217	54	163	210	125	85
3	Multi-Family	300	DU	16.1%	1.5%	28.7%	358	2	1	1	45	32	13	1,869	133	30	103	112	67	45
6	Multi-Family	378	DU	16.3%	1.8%	29.2%	460	3	1	2	56	40	16	2,357	166	38	128	136	81	55
3	Office	75,000	SF	19.1%	8.2%	31.0%	153	8	5	3	27	12	15	650	89	78	11	60	2	58
3	Retail	25,000	SF	16.6%	4.2%	19.8%	157	1	1	0	19	6	13	787	23	14	9	77	40	37
1	Retail	100,000	SF	15.4%	4.0%	19.7%	927	8	4	4	107	32	75	5,085	194	121	73	437	229	208
7	Retail	25,000	SF	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	944	24	15	9	96	46	50
8	Retail	150,000	SF	17.9%	4.0%	22.2%	1,419	9	5	4	163	48	115	6,502	218	136	82	570	304	266
		Total		*12.8%*	*1.6%*	*15.0%*	*4,513*	*38*	*19*	*19*	*596*	*298*	*298*	*30,684*	*2,357*	*1,471*	*886*	*3,387*	*1,222*	*2,165*

Parcel Number	Land Use	Size		Pass-by Capture (5)			Pass-by Capture							Net New (Primary) Trips (6)						
				Daily	AM Pk	PM Pk	Daily	A.M. Peak Hour			P.M. Peak Hour			Daily	A.M. Peak Hour			P.M. Peak Hour		
								Total	Enter	Exit	Total	Enter	Exit		Total	Enter	Exit	Total	Enter	Exit
5	Industrial	1,500,000	SF	0.0%	0.0%	0%	0	0	0	0	0	0	0	7,440	1,050	924	126	1,455	189	1,266
2	Single family	340	DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,655	243	61	182	234	139	95
4	Single family	303	DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,395	217	54	163	210	125	85
3	Multi-Family	300	DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	1,869	133	30	103	112	67	45
6	Multi-Family	378	DU	0.0%	0.0%	0%	0	0	0	0	0	0	0	2,357	166	38	128	136	81	55
3	Office	75,000	SF	0.0%	0.0%	0%	0	0	0	0	0	0	0	650	89	78	11	60	2	58
3	Retail	25,000	SF	14.0%	2.7%	17.8%	110	0	0	0	14	7	7	677	23	14	9	63	33	30
1	Retail	100,000	SF	13.3%	2.7%	17.8%	677	6	3	3	78	39	39	4,408	188	118	70	359	190	169
7	Retail	25,000	SF	15.0%	2.7%	17.8%	142	0	0	0	18	9	9	802	24	15	9	78	37	41
8	Retail	150,000	SF	13.5%	2.7%	17.8%	875	6	3	3	100	50	50	5,627	212	133	79	470	254	216
		Total					*1,804*	*12*	*6*	*6*	*210*	*105*	*105*	*28,880*	*2,345*	*1,465*	*880*	*3,177*	*1,117*	*2,060*

(1) Trip generation calculations from 9th Edition of ITE Trip Generation Report.
(2) ITE Land Use Code Number / E = Fitted Curve Equation, R= Average Trip Rate
(3) Internal Percentage from ITE Trip Generation Handbook, 3rd August 2014.
Individual land use percentage adjusted to match internal trip calculation.
(4) Total Traffic Volumes minus Internal Capture Trips = External Trips.
(5) Pass-by Percentage is based on 3rd Edition of ITE Trip Generation Handbook.
Table F-9- ITE Code 820: Shopping Center Average Pass-by percent set to equal 10% of Binion Road, Ocoee Apopka Road and Boy Scout Road traffic volumes.
10% pass-by check: Use P.M. traffic (0.10 x (669 + 1,179 + 270) = 211.8, use 210)
(6) Primary Trips - Pass-by Trips = Net New Traffic Volumes
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TABLE 2
Study Roadway Parameters (1)

Roadway Segment		# of	Adopted Functional		Adopted Roadway Service Volumes	
From	To	Lanes	Class	LOS	Daily	PM Peak Hour
CR 437A (Ocoee-Apopka Road)						
Keene Rd	Harmon Rd	2L	Minor Arterial	E	17,700	880
Harmon Rd	Boy Scout Rd	2L	Minor Arterial	E	17,700	880
Boy Scout Rd	Bradshaw Rd	2L	Minor Arterial	E	17,700	880
Binion Road						
Ocoee Apopka Rd	Harmon Rd	2L	Minor Collector	E	17,700	880
Harmon Rd	Boy Scout Rd	2L	Minor Collector	E	17,700	880
Boy Scout Rd	Lakeview Dr	2L	Minor Collector	E	17,700	880
Boy Scout Road						
Binion Rd	Ocoee Apopka Rd	2L	Minor Collector	E	15,900	790
Harmon Road						
Binion Rd	Ocoee Apopka Rd	2L	Minor Collector	E	15,900	790
Marden Road						
Ocoee Apopka Rd	SR 414	2L	Minor Collector	E	14,000	720
SR 414	Keene Rd	2L	Minor Collector	E	14,000	720

1. City of Apopka 2019 CMS Update

Luke Transportation Engineering Consultants, Inc., 2020

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Appendix A

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Centerline Capital - Bronson Property	**Organization:**	LTEC
Project Location:	Boy Scout Road - Apopka	**Performed By:**	JTR
Scenario Description:	Build-out	**Date:**	10/2/2020
Analysis Year:	2025	**Checked By:**	
Analysis Period:	AM Street Peak Hour	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office	710	75,000	SF	97	83	14
Retail	820	300,000	SF	757	470	287
Restaurant				0	0	0
Cinema/Entertainment				0	0	0
Residential	210/220	1,321	DU	771	187	584
Hotel				0	0	0
All Other Land Uses[2]	110	1,500,000	SF	1050	924	126
Total				2675	1664	1011

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	0	0	0	0
Retail	3		0	0	4	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	6	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	2,675	1,664	1,011
Internal Capture Percentage	1%	1%	2%
External Vehicle-Trips[3]	2,637	1,645	992
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	6%	29%
Retail	2%	2%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.
[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator
[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A
[4]Person-Trips
*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

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NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Centerline Capital - Bronson Property	**Organization:**	LTEC
Project Location:	Boy Scout Road - Apopka	**Performed By:**	JTR
Scenario Description:	Build-out	**Date:**	10/2/2020
Analysis Year:	2025	**Checked By:**	
Analysis Period:	PM Street Peak Hour	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office	710	75,000	SF	87	14	73
Retail	820	300,000	SF	1667	801	866
Restaurant				0	0	0
Cinema/Entertainment				0	0	0
Residential	210/220	1,321	DU	972	612	360
Hotel				0	0	0
All Other Land Uses[2]	110	1,500,000	SF	1455	189	1,266
Total				4181	1616	2565

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		15	0	0	1	0
Retail	4		0	0	225	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	8	80	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	4,181	1,616	2,565
Internal Capture Percentage	16%	21%	13%
External Vehicle-Trips[3]	3,515	1,283	2,232
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	86%	22%
Retail	12%	26%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	37%	24%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.
[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator
[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P
[4]Person-Trips
*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

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Appendix C – Apopka CMS 2020 Counts

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City of Apopka
2020 Traffic Count Program
Peak Hour/Direction Level of Service

Class / Roadway / Segment	Count Location Number	Type of Count	No. of Lanes	LOS Std.	Daily Volume	AM Peak Hour (7-9 AM Peak Period)						PM Peak Hour (4-6 PM Peak Period)					
						NB/EB	SB/WB	Time	K	D	LOS [1]	NB/EB	SB/WB	Time	K	D	LOS [1]
Minor Arterial (Continued)																	
CR 437A (Ocoee-Apopka Road/Michael Gladden Boulevard/Central Avenue)																	
Keene Rd to Boy Scout Rd	559A/29	72 Hour	2L	E	10,919	402	357	07:15	0.070	0.530	C	474	454	16:45	0.085	0.511	C
Boy Scout Rd to Bradshaw Rd	27	72 Hour	2L	E	13,385	594	472	07:15	0.080	0.557	C	569	544	16:45	0.083	0.511	C
Binion Road/Orange Avenue																	
Ocoee-Apopka Rd to Harmon Rd	28	24 Hour	2L	E	4,609	134	177	07:30	0.068	0.569	C	231	247	17:00	0.104	0.516	C
Harmon Rd to Boy Scout Rd	673A	24 Hour	2L	E	5,647	169	218	07:00	0.069	0.564	C	302	263	17:00	0.100	0.534	C
Boy Scout Rd to Lakeview Dr	555A	24 Hour	2L	E	6,669	221	298	07:45	0.070	0.684	C	346	265	16:15	0.110	0.555	C
Lakeview Dr to US 441	554A	24 Hour	2L	E	4,698	160	215	07:00	0.080	0.574	C	271	193	16:30	0.099	0.584	C
Boy Scout Road																	
Binion Rd to Ocoee-Apopka Rd	556A	24 Hour	2L	E	1,495	68	46	07:15	0.076	0.596	C	63	77	16:00	0.094	0.550	C
Bradshaw Road																	
US 441 to Ocoee-Apopka Rd	557A	24 Hour	2L	E	5,685	191	212	07:00	0.071	0.526	C	253	247	16:30	0.088	0.506	C
Harmon Road																	
Binion Rd to Ocoee-Apopka Rd	972A	24 Hour	2L	E	1,973	71	87	07:00	0.080	0.551	C	99	99	17:00	0.100	0.500	C
Keene Road																	
Ocoee-Apopka Rd to Marden Rd	930A	24 Hour	2L	E	5,330	266	256	07:30	0.098	0.509	C	297	215	16:45	0.096	0.580	C
Marden Rd to Clarcona Rd	568A	24 Hour	2L	E	5,576	226	227	07:15	0.081	0.501	C	293	221	17:00	0.092	0.571	C
Marden Road																	
Ocoee Apopka Rd to SR 414	560A	24 Hour	2L	E	6,492	449	194	07:45	0.099	0.699	D	284	231	17:00	0.079	0.551	C
SR 414 to Keene Rd	569A	24 Hour	2L	E	5,274	258	306	07:30	0.107	0.543	C	260	200	17:00	0.087	0.565	C

1 - Based on capacities from the Florida DOT 2020 Quality/Level of Service Handbook, Florida DOT ArtPlan 2012 Software or Orange County.

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Appendix D – Traffic Count Data

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Summary of Vehicle Movements

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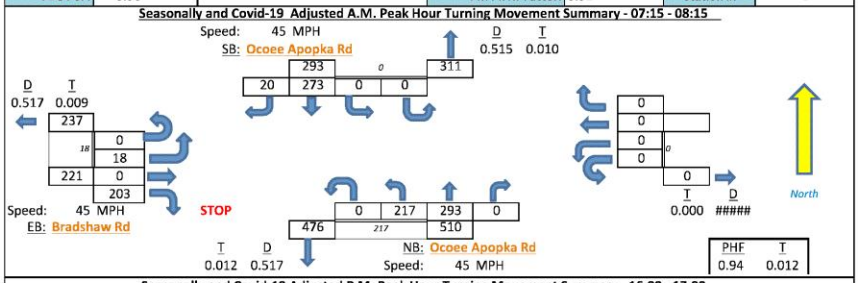
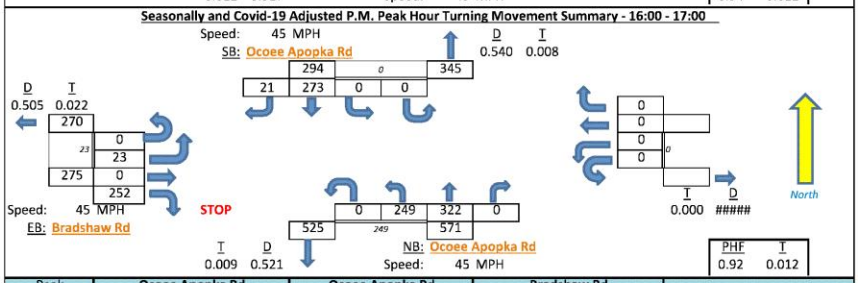
Project:	Bronson		LTEC 19-4201		
N/S Road:	Ocoee Apopka Rd		**Observer:**	LTEC	
E/W Road:	Bradshaw Rd		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	Covid 19 Adjustment Factor	**Signal:**	No	**Latitude:** 28.665729°
County:	Orange	2018 to 2019 Trend Growth - 1.25	**Major St Movement:**	North/South	**Longitude:** -81.520564°
FDOT SF:	0.98		**PM Pk Hr Factor:**	0.92	**Station #:** 1

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:15 - 08:15



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:00 - 17:00



Peak Hour	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Bradshaw Rd Eastbound				Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	>		1				1	<	>			<				
Length																
7:00 7:15	0	44	36	0	0	0	46	9	0	5	0	53	0	0	0	0
7:15 7:30	0	41	62	0	0	0	62	7	0	2	0	49	0	0	0	0
7:30 7:45	0	52	42	0	0	0	54	1	0	8	0	35	0	0	0	0
7:45 8:00	0	47	74	0	0	0	51	4	0	2	0	38	0	0	0	0
Hourly Sum	0	184	214	0	0	0	213	21	0	17	0	175	0	0	0	0
8:00 8:15	0	37	61	0	0	0	56	4	0	3	0	44	0	0	0	0
8:15 8:30	0	51	52	0	0	0	45	4	0	3	0	40	0	0	0	0
8:30 8:45	0	36	70	0	0	0	54	5	0	2	0	33	0	0	0	0
8:45 9:00	0	35	23	0	0	0	42	4	0	1	0	26	0	0	0	0
Hourly Sum	0	159	206	0	0	0	197	17	0	9	0	143	0	0	0	0
16:00 16:15	0	48	77	0	0	0	47	5	0	6	0	55	0	0	0	0
16:15 16:30	0	54	67	0	0	0	59	4	0	4	0	51	0	0	0	0
16:30 16:45	0	43	71	0	0	0	61	5	0	6	0	65	0	0	0	0
16:45 17:00	0	58	48	0	0	0	56	3	0	3	0	35	0	0	0	0
Hourly Sum	0	203	263	0	0	0	223	17	0	19	0	206	0	0	0	0
17:00 17:15	0	37	61	0	0	0	45	6	0	5	0	44	0	0	0	0
17:15 17:30	0	41	93	0	0	0	66	7	0	2	0	44	0	0	0	0
17:30 17:45	0	29	54	0	0	0	66	5	0	4	0	45	0	0	0	0
17:45 18:00	0	36	52	0	0	0	43	5	0	4	0	49	0	0	0	0
Hourly Sum	0	143	260	0	0	0	220	23	0	15	0	182	0	0	0	0
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:15 8:15	0	217	293	0	0	0	273	20	0	18	0	203	0	0	0	0
% Turns		42.5%	57.5%				93.2%	6.8%		8.1%		91.9%				
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:00 17:00	0	249	322	0	0	0	273	21	0	23	0	252	0	0	0	0
% Turns		43.6%	56.4%				92.9%	7.1%		8.4%		91.6%				

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Summary of Vehicle Movements

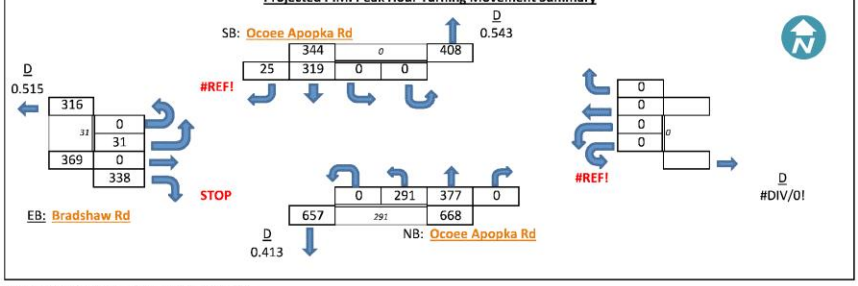
Luke Transportation Engineering Consultants

Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201					
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC						
E/W Road:	Bradshaw Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	117.00%	117.00%	134.00%	117.00%					Major St Movement:	0.92						
P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Bradshaw Rd Eastbound				Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	291	377	0	0	0	319	25	0	31	0	338	0	0	0	0
% Turns		43.6%	56.4%				92.9%	7.1%		8.4%		91.6%				

Projected P.M. Peak Hour Turning Movement Summary



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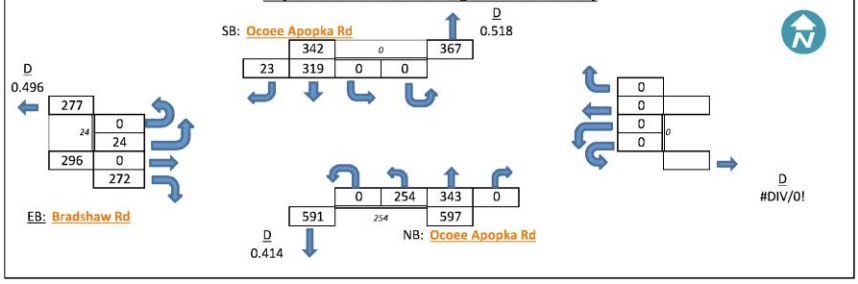
Projected P.M. Peak Hour Turning Movement Summary

	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Bradshaw Rd Eastbound				Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	249	322	0	0	0	273	21	0	23	0	252	0	0	0	0
Growth	0	42	55	0	0	0	46	4	0	8	0	86	0	0	0	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	66	490	0	0	0	266	0	0	0	0	36	0	0	0	0
Total	0	357	867	0	0	0	585	25	0	31	0	374	0	0	0	0

Project:	Bronson									LTEC	19-4201					
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC						
E/W Road:	Bradshaw Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	117.00%	117.00%	134.00%	117.00%					Major St Movement:	0.92						
P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Bradshaw Rd Eastbound				Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	254	343	0	0	0	319	23	0	24	0	272	0	0	0	0
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

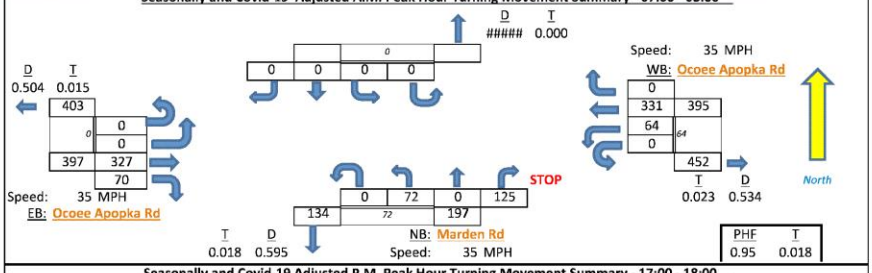
	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Bradshaw Rd Eastbound				Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	217	293	0	0	0	273	20	0	18	0	203	0	0	0	0
Growth	0	37	50	0	0	0	46	3	0	6	0	69	0	0	0	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	29	209	0	0	0	349	0	0	0	0	47	0	0	0	0
Total	0	283	552	0	0	0	668	23	0	24	0	319	0	0	0	0

Summary of Vehicle Movements

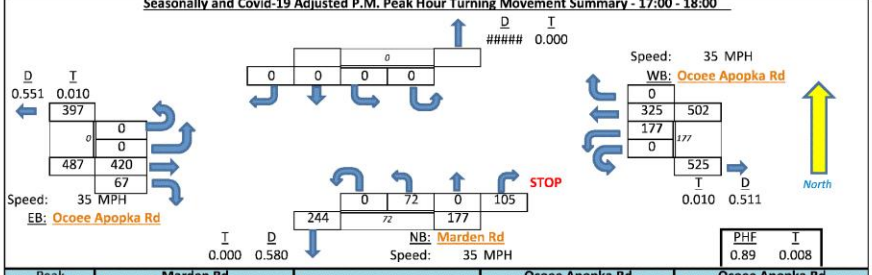
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Marden Rd		**Observer:**	LTEC	
E/W Road:	Ocoee Apopka Rd		**Weather:**	Clear	
Date:	Tuesday, March 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.661277°
County:	Orange	2018 to 2019 Trend Growth - 1	**Major St Movement:**	East/West	**Longitude:** -81.525818°
FDOT SF:	0.98		**PM Pk Hr Factor:**	0.89	**Station #:** 2

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 17:00 - 18:00



Peak Hour	Marden Rd Northbound				Southbound				Ocoee Apopka Rd Eastbound				Ocoee Apopka Rd Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	>			<							1	<	>		1	
Length																
7:00 7:15	0	19	0	37	0	0	0	0	0	0	79	15	0	15	83	0
7:15 7:30	0	17	0	32	0	0	0	0	0	0	78	23	0	20	95	0
7:30 7:45	0	24	0	24	0	0	0	0	0	0	86	16	0	15	82	0
7:45 8:00	0	13	0	35	0	0	0	0	0	0	91	17	0	15	78	0
Hourly Sum	0	73	0	128	0	0	0	0	0	0	334	71	0	65	338	0
8:00 8:15	0	12	0	45	0	0	0	0	0	0	77	16	0	15	77	0
8:15 8:30	0	13	0	31	0	0	0	0	0	0	80	21	0	20	66	0
8:30 8:45	0	10	0	28	0	0	0	0	0	0	65	11	0	17	63	0
8:45 9:00	0	11	0	31	0	0	0	0	0	0	89	12	0	10	67	0
Hourly Sum	0	46	0	135	0	0	0	0	0	0	311	60	0	62	273	0
16:00 16:15	0	10	0	16	0	0	0	0	0	0	110	17	0	28	80	0
16:15 16:30	0	8	0	25	0	0	0	0	0	0	110	13	0	25	75	0
16:30 16:45	0	8	0	30	0	0	0	0	0	0	104	10	0	29	88	0
16:45 17:00	0	17	0	31	0	0	0	0	0	0	103	12	0	34	71	0
Hourly Sum	0	43	0	102	0	0	0	0	0	0	427	52	0	116	314	0
17:00 17:15	0	15	0	34	0	0	0	0	0	0	125	22	0	44	93	0
17:15 17:30	0	17	0	18	0	0	0	0	0	0	122	15	0	35	87	0
17:30 17:45	0	22	0	29	0	0	0	0	0	0	87	15	0	52	81	0
17:45 18:00	0	19	0	26	0	0	0	0	0	0	95	16	0	50	71	0
Hourly Sum	0	73	0	107	0	0	0	0	0	0	429	68	0	181	332	0
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	72	0	125	0	0	0	0	0	0	327	70	0	64	331	0
% Turns		36.5%		63.5%							82.4%	17.6%		16.2%	83.8%	
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
17:00 18:00	0	72	0	105	0	0	0	0	0	0	420	67	0	177	325	0
% Turns		40.7%		59.3%							86.2%	13.8%		35.3%	64.7%	

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Summary of Vehicle Movements

Luke Transportation Engineering Consultants

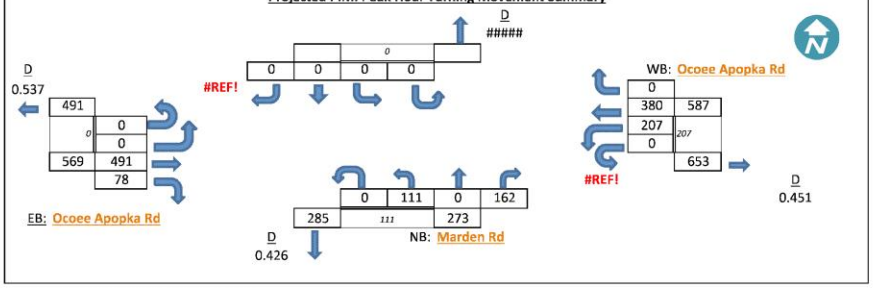
Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson						LTEC	19-4201
N/S Road:	Marden Rd					Observer:	LTEC	
E/W Road:	Ocoee Apopka Rd					Weather:	Clear	
Date:	Tuesday, March 10, 2020					Rd Condition:	Ok	
Approach:	NB	SB	EB	WB		Signal:	No	
Growth Fac:	154.00%	154.00%	117.00%	117.00%		Major St Movement:	0.89	

P.M. Peak	Marden Rd Northbound				Southbound				Ocoee Apopka Rd Eastbound				Ocoee Apopka Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	111	0	162	0	0	0	0	0	0	491	78	0	207	380	0
% Turns		40.7%		59.3%							86.2%	13.8%		35.3%	64.7%	

Projected P.M. Peak Hour Turning Movement Summary



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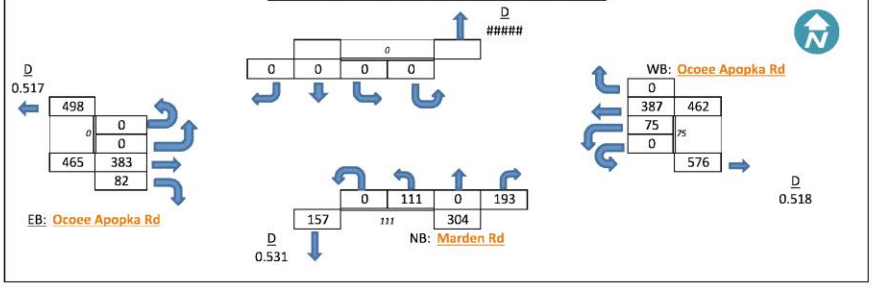
Projected P.M. Peak Hour Turning Movement Summary

	Marden Rd Northbound				Southbound				Ocoee Apopka Rd Eastbound				Ocoee Apopka Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	72	0	105	0	0	0	0	0	0	420	67	0	177	325	0
Growth	0	39	0	57	0	0	0	0	0	0	71	11	0	30	55	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	84	0	0	0	0	0	0	0	0	556	155	0	0	302	0
Total	0	195	0	162	0	0	0	0	0	0	1,047	233	0	207	682	0

Project:	Bronson						LTEC	19-4201
N/S Road:	Marden Rd					Observer:	LTEC	
E/W Road:	Ocoee Apopka Rd					Weather:	Clear	
Date:	Tuesday, March 10, 2020					Rd Condition:	Ok	
Approach:	NB	SB	EB	WB		Signal:	No	
Growth Fac:	154.00%	154.00%	117.00%	117.00%		Major St Movement:	0.89	

P.M. Peak	Marden Rd Northbound				Southbound				Ocoee Apopka Rd Eastbound				Ocoee Apopka Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	111	0	193	0	0	0	0	0	0	383	82	0	75	387	0
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

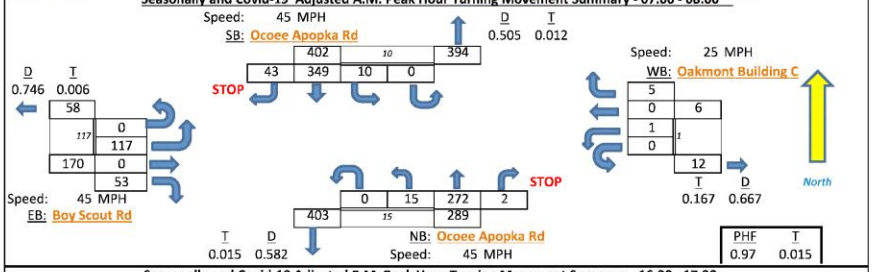
	Marden Rd Northbound				Southbound				Ocoee Apopka Rd Eastbound				Ocoee Apopka Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	72	0	125	0	0	0	0	0	0	327	70	0	64	331	0
Growth	0	39	0	68	0	0	0	0	0	0	56	12	0	11	56	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	56	0	0	0	0	0	0	0	0	238	66	0	0	396	0
Total	0	167	0	193	0	0	0	0	0	0	621	148	0	75	783	0

Summary of Vehicle Movements

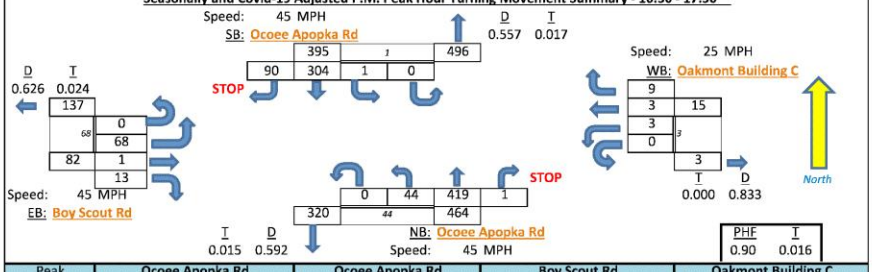
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Ocoee Apopka Rd		**Observer:**	LTEC	
E/W Road:	Boy Scout Rd		**Weather:**	Clear	
Date:	Tuesday, March 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.658845°
County:	Orange	2018 to 2019 Trend Growth - 1	**Major St Movement:**	East/West	**Longitude:** -81.532242°
FDOT SF:	0.98		**PM Pk Hr Factor:**	0.90	**Station #:** 3

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:30 - 17:30



Peak Hour	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Boy Scout Rd Eastbound				Oakmont Building C Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	1		1	<	1		1	<	>		1	<	>		1	1
Length	515				445											80
7:00 7:15	0	1	57	0	0	3	86	9	0	35	0	18	0	0	0	0
7:15 7:30	0	3	59	0	0	2	100	12	0	37	0	12	0	0	0	4
7:30 7:45	0	7	74	2	0	3	93	9	0	23	0	8	0	1	0	1
7:45 8:00	0	4	88	0	0	2	77	14	0	24	0	16	0	0	0	0
Hourly Sum	0	15	278	2	0	10	356	44	0	119	0	54	0	1	0	5
8:00 8:15	0	5	57	1	0	1	85	4	0	31	1	7	0	1	0	0
8:15 8:30	0	4	76	0	0	2	69	9	0	25	0	4	0	0	0	0
8:30 8:45	0	6	55	0	0	1	64	9	0	21	0	6	0	0	0	0
8:45 9:00	0	4	75	1	0	2	61	13	0	22	0	12	0	0	0	3
Hourly Sum	0	19	263	2	0	6	279	35	0	99	1	29	0	1	0	3
16:00 16:15	0	7	115	0	0	1	77	16	0	9	1	8	0	2	1	6
16:15 16:30	0	11	101	0	0	1	64	17	0	15	0	12	0	1	0	7
16:30 16:45	0	13	93	0	0	0	79	14	0	15	0	3	0	0	1	1
16:45 17:00	0	11	107	0	0	1	71	24	0	16	0	0	0	1	1	2
Hourly Sum	0	42	416	0	0	3	291	71	0	55	1	23	0	4	3	16
17:00 17:15	0	8	117	1	0	0	89	24	0	21	0	4	0	2	1	4
17:15 17:30	0	13	111	0	0	0	71	30	0	17	1	6	0	0	0	2
17:30 17:45	0	10	84	0	0	2	64	33	0	16	0	3	0	0	0	1
17:45 18:00	0	15	97	0	0	0	66	26	0	12	0	9	0	0	0	0
Hourly Sum	0	46	409	1	0	2	290	113	0	66	1	22	0	2	1	7
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	15	272	2	0	10	349	43	0	117	0	53	0	1	0	5
% Turns		5.2%	94.1%	0.7%		2.5%	86.8%	10.7%		68.8%		31.2%		16.7%		83.3%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:30 17:30	0	44	419	1	0	1	304	90	0	68	1	13	0	3	3	9
% Turns		9.5%	90.3%	0.2%		0.3%	77.0%	22.8%		82.9%	1.2%	15.9%		20.0%	20.0%	60.0%

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

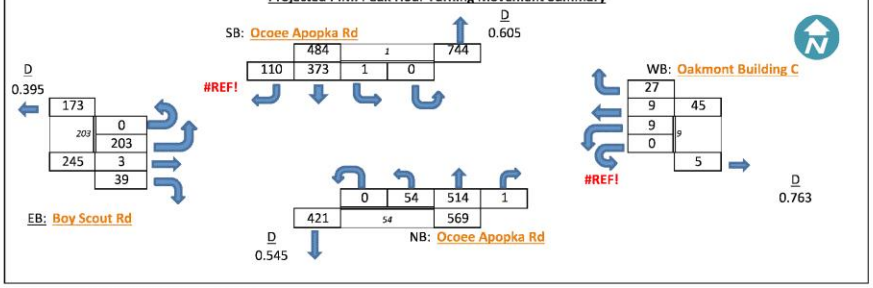
Luke Transportation Engineering Consultants

Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201					
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC						
E/W Road:	Boy Scout Rd								Weather:	Clear						
Date:	Tuesday, March 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	122.60%	122.60%	298.00%	298.00%					Major St Movement:	0.90						
P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Boy Scout Rd Eastbound				Oakmont Building C Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	54	514	1	0	1	373	110	0	203	3	39	0	9	9	27
% Turns		9.5%	90.3%	0.2%		0.3%	77.0%	22.8%		82.9%	1.2%	15.9%		20.0%	20.0%	60.0%

Projected P.M. Peak Hour Turning Movement Summary



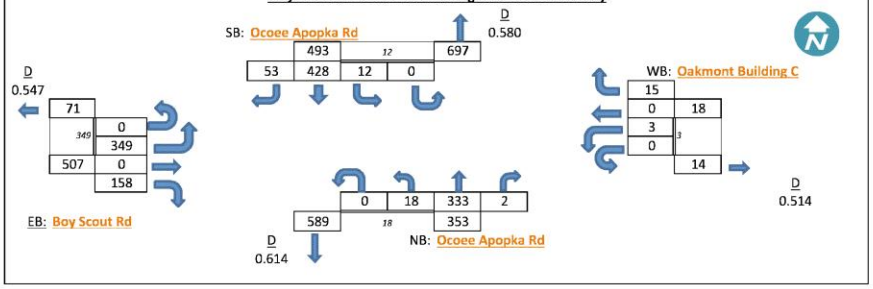
Luke Transportation Engineering Consultants, 2021

Projected P.M. Peak Hour Turning Movement Summary

	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Boy Scout Rd Eastbound				Oakmont Building C Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	44	419	1	0	1	304	90	0	68	1	13	0	3	3	9
Growth	0	10	95	0	0	0	69	20	0	135	2	26	0	6	6	18
Pass-by	0	22	-22	0	0	0	0	0	0	22	0	0	0	0	0	0
Project	0	222	309	0	0	0	208	184	0	396	6	354	0	0	2	0
Total	0	298	801	1	0	1	581	294	0	621	9	393	0	9	11	27

Project:	Bronson									LTEC	19-4201					
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC						
E/W Road:	Boy Scout Rd								Weather:	Clear						
Date:	Tuesday, March 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	122.60%	122.60%	298.00%	298.00%					Major St Movement:	0.90						
P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Boy Scout Rd Eastbound				Oakmont Building C Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	18	333	2	0	12	428	53	0	349	0	158	0	3	0	15
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

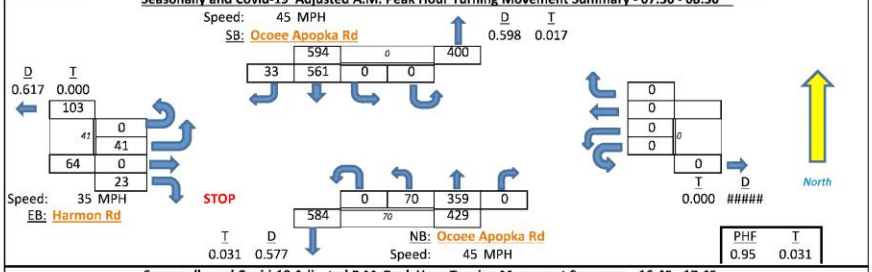
	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Boy Scout Rd Eastbound				Oakmont Building C Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	15	272	2	0	10	349	43	0	117	0	53	0	1	0	5
Growth	0	3	61	0	0	2	79	10	0	232	0	105	0	2	0	10
Pass-by	0	1	-1	0	0	0	0	0	0	1	0	0	0	0	0	0
Project	0	287	145	0	0	0	242	257	0	156	3	140	0	0	4	0
Total	0	306	477	2	0	12	670	310	0	506	3	298	0	3	4	15

Summary of Vehicle Movements

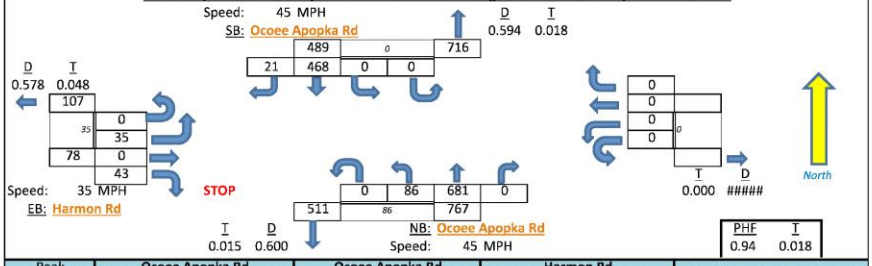
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Ocoee Apopka Rd		**Observer:**	LTEC	
E/W Road:	Harmon Rd		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.650101°
County:	Orange	2018 to 2019 Trend Growth - 1.25	**Major St Movement:**	North/South	**Longitude:** -81.537083°
FDOT SF:	1.00		**PM Pk Hr Factor:**	0.95	**Station #:** 4

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:30 - 08:30



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:45 - 17:45



Peak Hour	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Harmon Rd Eastbound				Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes		1	1				2	<		1		1				
Length		250								215						
7:00 7:15	0	18	66	0	0	0	93	11	0	5	0	3	0	0	0	0
7:15 7:30	0	18	66	0	0	0	92	5	0	11	0	6	0	0	0	0
7:30 7:45	0	21	76	0	0	0	101	4	0	16	0	9	0	0	0	0
7:45 8:00	0	20	76	0	0	0	118	7	0	5	0	3	0	0	0	0
Hourly Sum	0	77	284	0	0	0	404	27	0	37	0	21	0	0	0	0
8:00 8:15	0	11	71	0	0	0	110	8	0	0	0	0	0	0	0	0
8:15 8:30	0	4	64	0	0	0	121	8	0	11	0	6	0	0	0	0
8:30 8:45	0	19	71	0	0	0	113	11	0	5	0	3	0	0	0	0
8:45 9:00	0	14	71	0	0	0	110	10	0	0	0	0	0	0	0	0
Hourly Sum	0	48	277	0	0	0	454	37	0	16	0	9	0	0	0	0
16:00 16:15	0	23	110	0	0	0	92	4	0	5	0	12	0	0	0	0
16:15 16:30	0	12	112	0	0	0	92	8	0	21	0	11	0	0	0	0
16:30 16:45	0	8	116	0	0	0	92	12	0	17	0	14	0	0	0	0
16:45 17:00	0	14	143	0	0	0	98	5	0	9	0	14	0	0	0	0
Hourly Sum	0	57	481	0	0	0	374	29	0	52	0	51	0	0	0	0
17:00 17:15	0	16	127	0	0	0	96	0	0	12	0	7	0	0	0	0
17:15 17:30	0	18	144	0	0	0	86	8	0	3	0	2	0	0	0	0
17:30 17:45	0	22	131	0	0	0	95	4	0	5	0	11	0	0	0	0
17:45 18:00	0	20	132	0	0	0	98	0	0	3	0	8	0	0	0	0
Hourly Sum	0	76	534	0	0	0	375	12	0	23	0	28	0	0	0	0
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:30 8:30	0	70	359	0	0	0	561	33	0	41	0	23	0	0	0	0
% Turns		16.3%	83.7%				94.4%	5.6%		64.1%		35.9%				
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:45 17:45	0	86	681	0	0	0	468	21	0	35	0	43	0	0	0	0
% Turns		11.2%	88.8%				95.7%	4.3%		44.9%		55.1%				

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

Luke Transportation Engineering Consultants

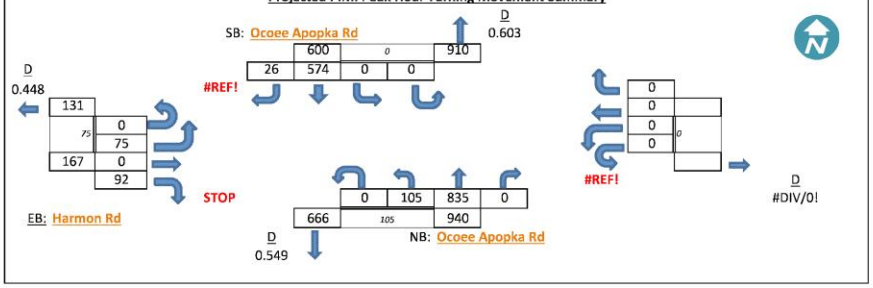
Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201				
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC					
E/W Road:	Harmon Rd								Weather:	Clear					
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok					
Approach:	NB	SB	EB	WB					Signal:	No					
Growth Fac:	122.60%	122.60%	214.00%	214.00%					Major St Movement:	0.95					

P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Harmon Rd Eastbound				Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	105	835	0	0	0	574	26	0	75	0	92	0	0	0	0
% Turns		11.2%	88.8%				95.7%	4.3%		44.9%		55.1%				

Projected P.M. Peak Hour Turning Movement Summary



Luke Transportation Engineering Consultants, 2021

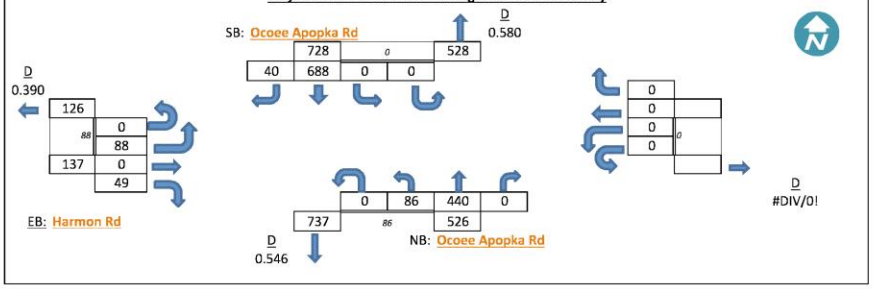
Projected P.M. Peak Hour Turning Movement Summary

	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Harmon Rd Eastbound				Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	86	681	0	0	0	468	21	0	35	0	43	0	0	0	0
Growth	0	19	86	68	0	51	55	5	0	32	86	38	0	45	37	65
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	261	0	0	243	482	0	0	0	68	0	0	0	37	132
Total	0	105	1,028	68	0	294	1,005	26	0	67	154	81	0	45	74	197

Project:	Bronson									LTEC	19-4201				
N/S Road:	Ocoee Apopka Rd								Observer:	LTEC					
E/W Road:	Harmon Rd								Weather:	Clear					
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok					
Approach:	NB	SB	EB	WB					Signal:	No					
Growth Fac:	122.60%	122.60%	214.00%	214.00%					Major St Movement:	0.95					

P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Harmon Rd Eastbound				Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	86	440	0	0	0	688	40	0	88	0	49	0	0	0	0
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

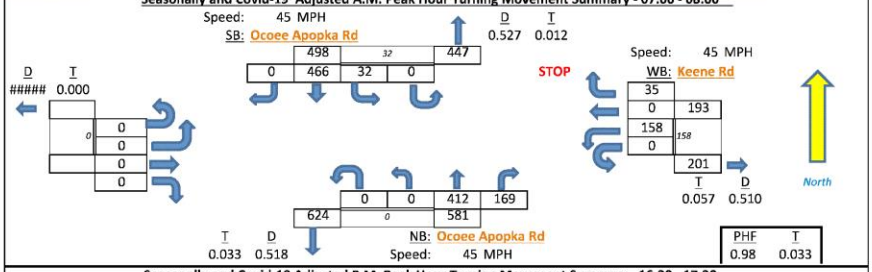
	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Harmon Rd Eastbound				Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	70	359	0	0	0	561	33	0	41	0	23	0	0	0	0
Growth	0	16	36	35	0	60	67	7	0	35	22	20	0	55	20	40
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	342	0	0	104	206	0	0	0	29	0	0	0	48	173
Total	0	86	737	35	0	164	834	40	0	76	51	43	0	55	68	213

Summary of Vehicle Movements

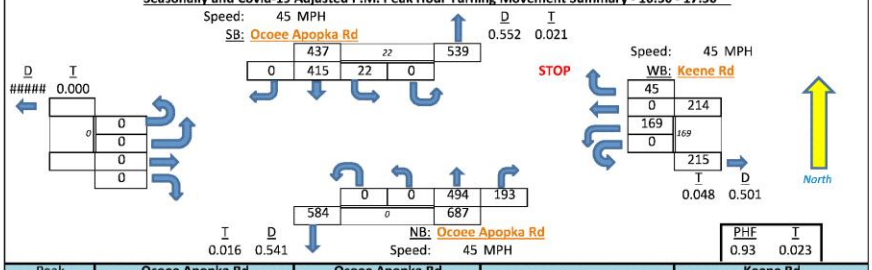
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Ocoee Apopka Rd		**Observer:**	LTEC	
E/W Road:	Keene Rd		**Weather:**	Clear	
Date:	Tuesday, March 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.640085°
County:	Orange	2018 to 2019 Trend Growth - 1.05	**Major St Movement:**	North/South	**Longitude:** -81.539554°
FDOT SF:	0.98		**PM Pk Hr Factor:**	0.93	**Station #:** 5

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:30 - 17:30



Peak Hour	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Eastbound				Keene Rd Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes			1	<		>	1							1		<
Length																
7:00 7:15	0	0	92	38	0	11	123	0	0	0	0	0	0	44	0	7
7:15 7:30	0	0	96	33	0	5	124	0	0	0	0	0	0	44	0	7
7:30 7:45	0	0	107	51	0	11	96	0	0	0	0	0	0	37	0	10
7:45 8:00	0	0	105	42	0	4	110	0	0	0	0	0	0	29	0	10
Hourly Sum	0	0	400	164	0	31	453	0	0	0	0	0	0	154	0	34
8:00 8:15	0	0	72	30	0	9	100	0	0	0	0	0	0	31	0	9
8:15 8:30	0	0	91	19	0	3	81	0	0	0	0	0	0	41	0	3
8:30 8:45	0	0	89	26	0	5	72	0	0	0	0	0	0	35	0	5
8:45 9:00	0	0	85	30	0	6	80	0	0	0	0	0	0	20	0	6
Hourly Sum	0	0	337	105	0	23	333	0	0	0	0	0	0	127	0	23
16:00 16:15	0	0	127	45	0	8	89	0	0	0	0	0	0	36	0	8
16:15 16:30	0	0	111	44	0	12	107	0	0	0	0	0	0	38	0	8
16:30 16:45	0	0	118	40	0	0	130	0	0	0	0	0	0	38	0	7
16:45 17:00	0	0	113	49	0	10	65	0	0	0	0	0	0	42	0	11
Hourly Sum	0	0	469	178	0	30	391	0	0	0	0	0	0	154	0	34
17:00 17:15	0	0	108	51	0	9	104	0	0	0	0	0	0	42	0	13
17:15 17:30	0	0	141	48	0	2	104	0	0	0	0	0	0	42	0	13
17:30 17:45	0	0	116	49	0	10	76	0	0	0	0	0	0	30	0	7
17:45 18:00	0	0	121	62	0	8	87	0	0	0	0	0	0	31	0	9
Hourly Sum	0	0	486	210	0	29	371	0	0	0	0	0	0	145	0	42
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	0	412	169	0	32	466	0	0	0	0	0	0	158	0	35
% Turns			70.9%	29.1%		6.4%	93.6%							81.9%		18.1%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:30 17:30	0	0	494	193	0	22	415	0	0	0	0	0	0	169	0	45
% Turns			71.9%	28.1%		5.0%	95.0%							79.0%		21.0%

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

Luke Transportation Engineering Consultants

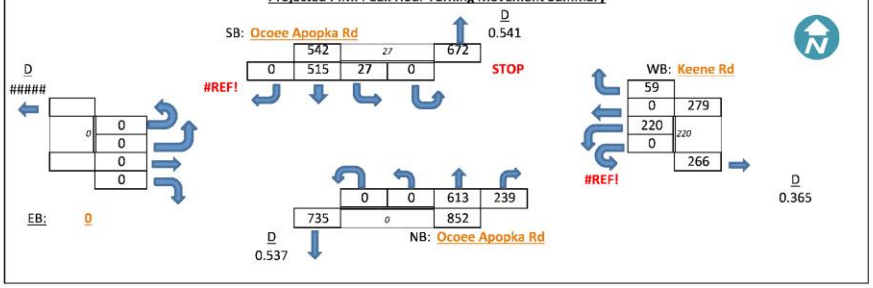
Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson						LTEC	19-4201
N/S Road:	Ocoee Apopka Rd					Observer:	LTEC	
E/W Road:	Keene Rd					Weather:	Clear	
Date:	Tuesday, March 10, 2020					Rd Condition:	Ok	
Approach:	NB	SB	EB	WB		Signal:	No	
Growth Fac:	124.00%	124.00%	130.00%	130.00%		Major St Movement:	0.93	

P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Eastbound				Keene Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	0	613	239	0	27	515	0	0	0	0	0	0	220	0	59
% Turns			71.9%	28.1%		5.0%	95.0%							79.0%		21.0%

Projected P.M. Peak Hour Turning Movement Summary



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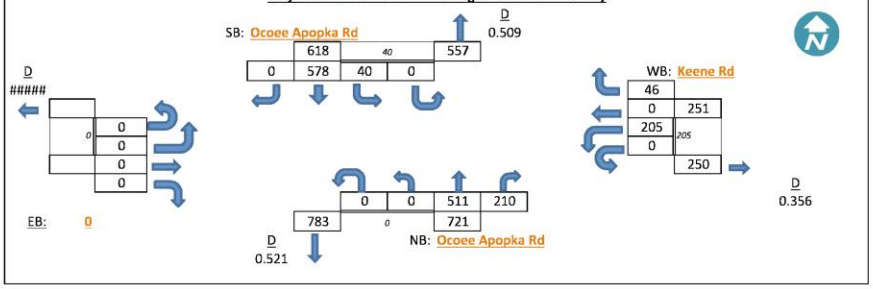
Projected P.M. Peak Hour Turning Movement Summary

	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Eastbound				Keene Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	0	494	193	0	22	415	0	0	0	0	0	0	169	0	45
Growth	0	0	119	46	0	5	100	0	0	0	0	0	0	51	0	14
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	143	0	0	185	264	0	0	0	0	0	0	0	0	101
Total	0	0	756	239	0	212	779	0	0	0	0	0	0	220	0	160

Project:	Bronson						LTEC	19-4201
N/S Road:	Ocoee Apopka Rd					Observer:	LTEC	
E/W Road:	Keene Rd					Weather:	Clear	
Date:	Tuesday, March 10, 2020					Rd Condition:	Ok	
Approach:	NB	SB	EB	WB		Signal:	No	
Growth Fac:	124.00%	124.00%	130.00%	130.00%		Major St Movement:	0.93	

P.M. Peak	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Eastbound				Keene Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	0	511	210	0	40	578	0	0	0	0	0	0	205	0	46
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

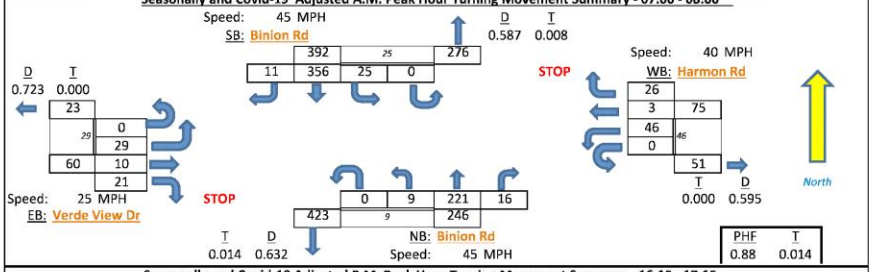
	Ocoee Apopka Rd Northbound				Ocoee Apopka Rd Southbound				Eastbound				Keene Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	0	412	169	0	32	466	0	0	0	0	0	0	158	0	35
Growth	0	0	99	41	0	8	112	0	0	0	0	0	0	47	0	11
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	188	0	0	79	113	0	0	0	0	0	0	0	0	132
Total	0	0	699	210	0	119	691	0	0	0	0	0	0	205	0	178

Summary of Vehicle Movements

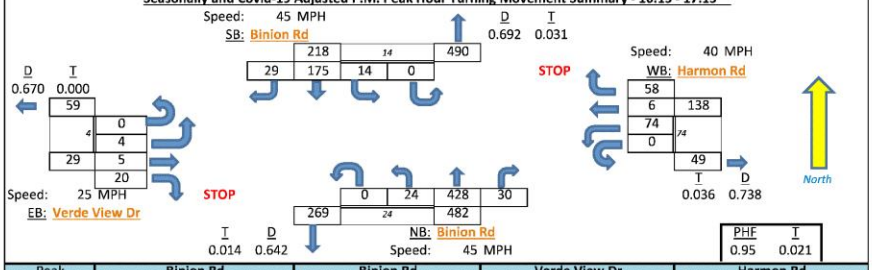
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Binion Rd		**Observer:**	LTEC	
E/W Road:	Harmon Rd		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.650803°
County:	Orange	2018 to 2019 Trend Growth - 1.25	**Major St Movement:**	North/South	**Longitude:** -81.549033°
FDOT SF:	1.00		**PM Pk Hr Factor:**	0.95	**Station #:** 6

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:15 - 17:15



Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Verde View Dr Eastbound				Harmon Rd Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	1		1	<	>		1	<	>		1	<	>		1	<
Length	415															
7:00 7:15	0	2	39	3	0	5	75	3	0	8	2	5	0	5	1	3
7:15 7:30	0	2	44	3	0	5	70	2	0	5	2	4	0	11	0	6
7:30 7:45	0	2	51	4	0	5	73	3	0	5	2	4	0	16	1	9
7:45 8:00	0	1	43	3	0	5	67	1	0	5	2	4	0	5	0	3
Hourly Sum	0	7	177	13	0	20	285	9	0	23	8	17	0	37	2	21
8:00 8:15	0	3	39	3	0	4	62	3	0	6	2	5	0	0	1	0
8:15 8:30	0	4	34	2	0	4	52	5	0	5	2	4	0	11	1	6
8:30 8:45	0	2	31	2	0	3	48	2	0	4	1	3	0	5	0	3
8:45 9:00	0	4	50	3	0	3	36	5	0	1	1	3	0	0	1	0
Hourly Sum	0	13	154	10	0	14	198	15	0	16	6	15	0	16	3	9
16:00 16:15	0	6	74	5	0	2	32	8	0	1	1	6	0	5	2	12
16:15 16:30	0	6	75	5	0	2	24	7	0	0	1	3	0	21	2	11
16:30 16:45	0	5	79	6	0	3	43	6	0	1	1	5	0	17	1	14
16:45 17:00	0	4	97	7	0	3	36	5	0	1	1	5	0	9	1	14
Hourly Sum	0	21	325	23	0	10	135	26	0	3	4	19	0	52	6	51
17:00 17:15	0	4	91	6	0	3	37	5	0	1	1	3	0	12	1	7
17:15 17:30	0	6	91	6	0	2	29	8	0	0	1	3	0	3	2	2
17:30 17:45	0	5	81	6	0	3	37	6	0	1	1	3	0	5	1	11
17:45 18:00	0	6	77	5	0	2	31	8	0	0	1	3	0	3	2	8
Hourly Sum	0	21	340	23	0	10	134	27	0	2	4	12	0	23	6	28
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	9	221	16	0	25	356	11	0	29	10	21	0	46	3	26
% Turns		3.7%	89.8%	6.5%		6.4%	90.8%	2.8%		48.3%	16.7%	35.0%		61.3%	4.0%	34.7%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:15 17:15	0	24	428	30	0	14	175	29	0	4	5	20	0	74	6	58
% Turns		5.0%	88.8%	6.2%		6.4%	80.3%	13.3%		13.8%	17.2%	69.0%		53.6%	4.3%	42.0%

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

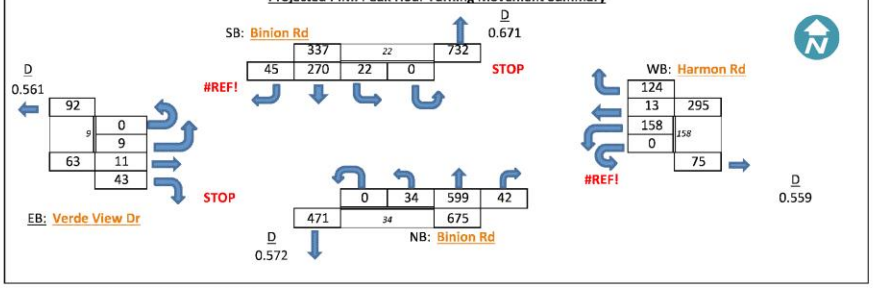
Luke Transportation Engineering Consultants

Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201					
N/S Road:	Binion Rd								Observer:	LTEC						
E/W Road:	Harmon Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	140.00%	154.00%	214.00%	214.00%					Major St Movement:	0.95						
P.M. Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Verde View Dr Eastbound				Harmon Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	34	599	42	0	22	270	45	0	9	11	43	0	158	13	124
% Turns		5.0%	88.8%	6.2%		6.4%	80.3%	13.3%		13.8%	17.2%	69.0%		53.6%	4.3%	42.0%

Projected P.M. Peak Hour Turning Movement Summary



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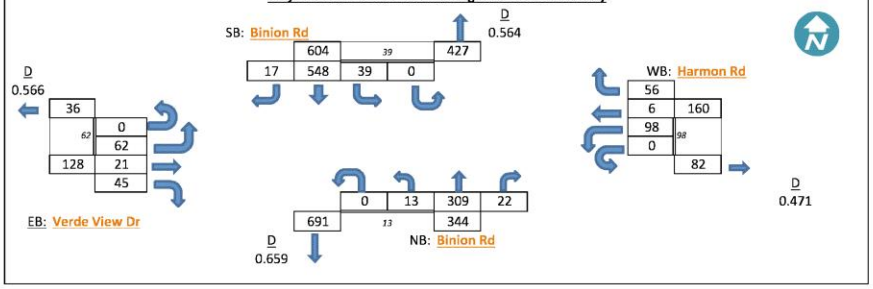
Projected P.M. Peak Hour Turning Movement Summary

	Binion Rd Northbound				Binion Rd Southbound				Verde View Dr Eastbound				Harmon Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	24	428	30	0	14	175	29	0	4	5	20	0	74	6	58
Growth	0	10	171	12	0	8	95	16	0	5	6	23	0	84	7	66
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	48	0	0	68	90	1	0	1	0	0	0	0	0	37
Total	0	34	647	42	0	90	360	46	0	10	11	43	0	158	13	161

Project:	Bronson									LTEC	19-4201					
N/S Road:	Binion Rd								Observer:	LTEC						
E/W Road:	Harmon Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	140.00%	154.00%	214.00%	214.00%					Major St Movement:	0.95						
P.M. Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Verde View Dr Eastbound				Harmon Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	13	309	22	0	39	548	17	0	62	21	45	0	98	6	56
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

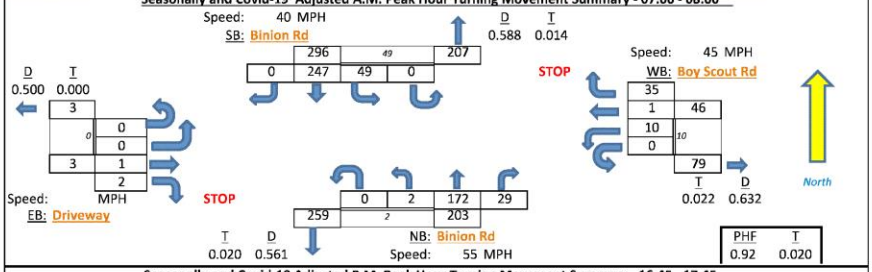
	Binion Rd Northbound				Binion Rd Southbound				Verde View Dr Eastbound				Harmon Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	9	221	16	0	25	356	11	0	29	10	21	0	46	3	26
Growth	0	4	88	6	0	14	192	6	0	33	11	24	0	52	3	30
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	0	60	0	0	29	34	5	0	4	0	0	0	0	0	48
Total	0	13	369	22	0	68	582	22	0	66	21	45	0	98	6	104

Summary of Vehicle Movements

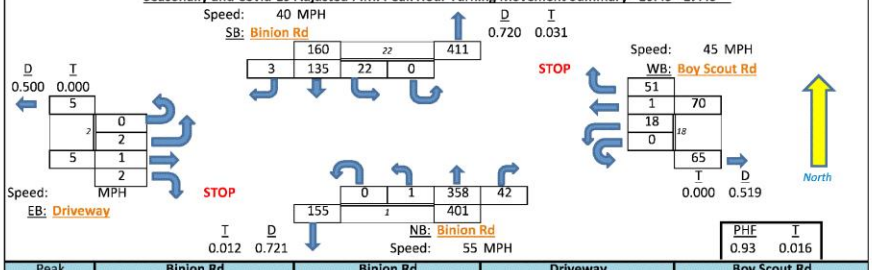
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Binion Rd		**Observer:**	LTEC	
E/W Road:	Boy Scout Rd		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.661808°
County:	Orange	2018 to 2019 Trend Growth - 1	**Major St Movement:**	North/South	**Longitude:** -81.550657°
FDOT SF:	1.00		**PM Pk Hr Factor:**	0.93	**Station #:** 7

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:45 - 17:45



Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Driveway Eastbound				Boy Scout Rd Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	>		1	<	>		1	<	>		1	<	>		1	<
Length																
7:00 7:15	0	0	38	7	0	14	64	0	0	0	0	0	0	3	0	5
7:15 7:30	0	0	43	9	0	13	59	0	0	0	0	1	0	1	0	8
7:30 7:45	0	2	48	6	0	9	69	0	0	0	0	1	0	4	0	10
7:45 8:00	0	0	43	7	0	13	55	0	0	0	1	0	0	1	0	13
Hourly Sum	0	2	172	29	0	49	247	0	0	0	1	2	0	9	0	36
8:00 8:15	0	1	38	6	0	9	56	1	0	1	1	0	0	4	0	13
8:15 8:30	0	0	36	7	0	9	44	0	0	0	0	0	0	1	0	14
8:30 8:45	0	0	29	4	0	5	47	0	0	0	0	0	0	4	0	9
8:45 9:00	0	1	47	3	0	7	35	0	0	0	0	1	0	5	0	5
Hourly Sum	0	2	150	20	0	30	182	1	0	1	1	1	0	14	0	41
16:00 16:15	0	0	74	11	0	6	30	2	0	1	1	1	0	5	0	12
16:15 16:30	0	0	75	11	0	5	24	1	0	1	0	1	0	5	0	15
16:30 16:45	0	0	77	8	0	0	44	0	0	0	1	0	0	7	0	11
16:45 17:00	0	0	94	10	0	6	36	1	0	1	0	1	0	6	0	16
Hourly Sum	0	0	320	40	0	17	134	4	0	3	2	3	0	23	0	54
17:00 17:15	0	1	91	10	0	5	34	2	0	0	1	0	0	4	0	11
17:15 17:30	0	0	93	13	0	5	28	0	0	0	0	0	0	4	0	13
17:30 17:45	0	0	80	9	0	6	37	0	0	1	0	1	0	5	0	10
17:45 18:00	0	0	77	9	0	4	33	0	0	0	0	0	0	6	0	15
Hourly Sum	0	1	341	41	0	20	132	2	0	1	1	1	0	19	0	49
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	2	172	29	0	49	247	0	0	0	1	2	0	10	1	35
% Turns		1.0%	84.7%	14.3%		16.6%	83.4%				33.3%	66.7%		21.7%	2.2%	76.1%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:45 17:45	0	1	358	42	0	22	135	3	0	2	1	2	0	18	1	51
% Turns		0.2%	89.3%	10.5%		13.8%	84.4%	1.9%		40.0%	20.0%	40.0%		25.7%	1.4%	72.9%

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

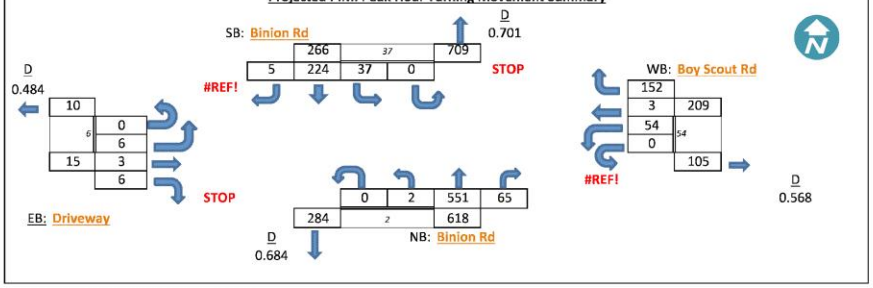
Luke Transportation Engineering Consultants

Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201							
N/S Road:	Binion Rd								Observer:	LTEC								
E/W Road:	Boy Scout Rd								Weather:	Clear								
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok								
Approach:	NB	SB	EB	WB					Signal:	No								
Growth Fac:	154.00%	166.00%	298.00%	298.00%					Major St Movement:	0.93								
P.M. Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Driveway Eastbound				Boy Scout Rd Westbound					
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt		
Projected	0	2	551	65	0	37	224	5	0	6	3	6	0	54	3	152		
% Turns		0.2%	89.3%	10.5%		13.8%	84.4%	1.9%		40.0%	20.0%	40.0%		25.7%	1.4%	72.9%		

Projected P.M. Peak Hour Turning Movement Summary



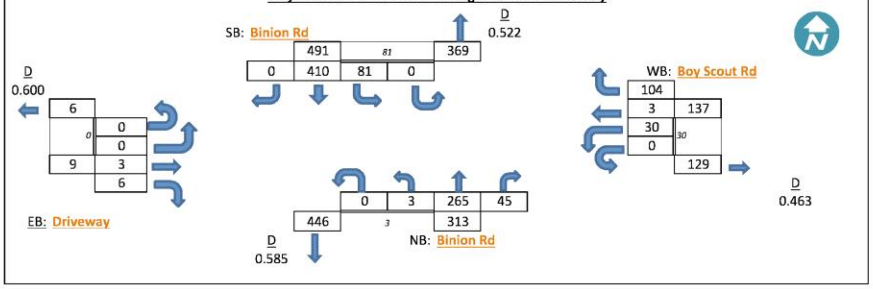
Luke Transportation Engineering Consultants, 2021

Projected P.M. Peak Hour Turning Movement Summary

	Binion Rd Northbound				Binion Rd Southbound				Driveway Eastbound				Boy Scout Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	1	358	42	0	22	135	3	0	2	1	2	0	18	1	51
Growth	0	1	193	23	0	15	89	2	0	4	2	4	0	36	2	101
Pass-by	0	0	-33	33	0	17	-17	0	0	0	0	0	0	17	0	33
Project	0	0	2	64	0	170	3	0	0	0	1	0	0	142	2	318
Total	0	2	520	162	0	224	210	5	0	6	4	6	0	213	5	503

Project:	Bronson									LTEC	19-4201							
N/S Road:	Binion Rd								Observer:	LTEC								
E/W Road:	Boy Scout Rd								Weather:	Clear								
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok								
Approach:	NB	SB	EB	WB					Signal:	No								
Growth Fac:	154.00%	166.00%	298.00%	298.00%					Major St Movement:	0.93								
P.M. Peak Hour	Binion Rd Northbound				Binion Rd Southbound				Driveway Eastbound				Boy Scout Rd Westbound					
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt		
Projected	0	3	265	45	0	81	410	0	0	0	3	6	0	30	3	104		
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt		

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

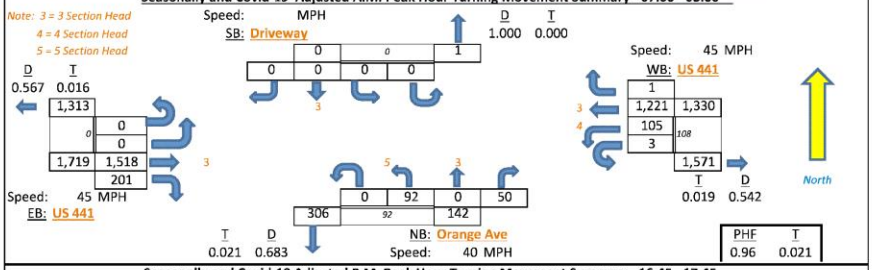
	Binion Rd Northbound				Binion Rd Southbound				Driveway Eastbound				Boy Scout Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	2	172	29	0	49	247	0	0	0	1	2	0	10	1	35
Growth	0	1	93	16	0	32	163	1	0	1	2	4	0	20	2	69
Pass-by	0	0	-1	1	0	2	-2	0	0	0	0	0	0	2	0	1
Project	0	0	2	116	0	82	3	0	0	0	1	0	0	63	1	148
Total	0	3	266	162	0	165	411	1	0	1	4	6	0	95	4	253

Summary of Vehicle Movements

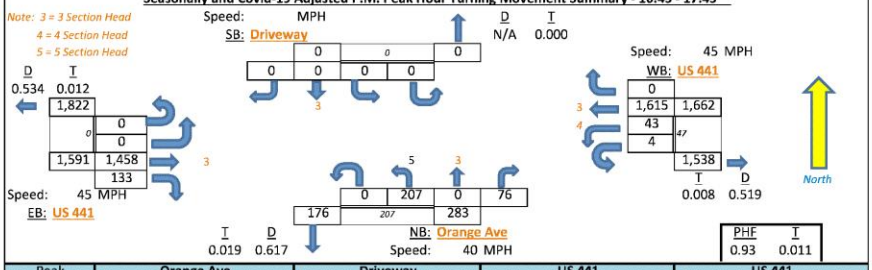
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Orange Ave		**Observer:**	LTEC	
E/W Road:	US 441		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	Yes	**Latitude:** 28.694322°
County:	Orange	2018 to 2019 Trend Growth - 1.1	**Major St Movement:**	-	**Longitude:** -81.558786°
FDOT SF:	1.00		**PM Pk Hr Factor:**	0.93	**Station #:** 8

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:45 - 17:45



Peak Hour	Orange Ave Northbound				Driveway Southbound				US 441 Eastbound				US 441 Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes	>		1	<	>		1	<	1		2	1	1		2	<
Length									140			510	300			
7:00 7:15	0	22	0	9	0	0	0	0	0	0	368	51	0	24	272	0
7:15 7:30	0	18	0	21	0	0	0	0	0	0	355	36	1	23	303	1
7:30 7:45	0	27	0	10	0	0	0	0	0	0	299	41	1	24	288	0
7:45 8:00	0	17	0	5	0	0	0	0	0	0	359	55	1	24	246	0
Hourly Sum	0	84	0	45	0	0	0	0	0	0	1,381	183	3	95	1,109	1
8:00 8:15	0	18	0	12	0	0	0	0	0	0	330	31	1	21	254	0
8:15 8:30	0	20	0	6	0	0	0	0	0	0	345	27	0	8	237	0
8:30 8:45	0	21	0	1	0	0	0	0	0	0	267	32	1	11	229	0
8:45 9:00	0	10	0	6	0	0	0	0	0	0	335	28	1	12	268	0
Hourly Sum	0	69	0	25	0	0	0	0	0	0	1,277	118	3	52	988	0
16:00 16:15	0	38	0	6	0	0	0	0	0	0	323	24	0	11	287	0
16:15 16:30	0	36	0	15	0	0	0	0	0	0	298	31	0	15	360	0
16:30 16:45	0	61	0	18	0	0	0	0	0	0	262	30	3	9	361	0
16:45 17:00	0	31	0	22	0	0	0	0	0	0	344	25	1	15	310	0
Hourly Sum	0	166	0	61	0	0	0	0	0	0	1,227	110	4	50	1,318	0
17:00 17:15	0	47	0	21	0	0	0	0	0	0	339	31	2	8	408	0
17:15 17:30	0	68	0	12	0	0	0	0	0	0	337	40	1	8	401	0
17:30 17:45	0	42	0	14	0	0	0	0	0	0	305	25	0	8	350	0
17:45 18:00	0	33	0	10	0	0	0	0	0	0	292	25	1	8	325	0
Hourly Sum	0	190	0	57	0	0	0	0	0	0	1,273	121	4	32	1,484	0
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	92	0	50	0	0	0	0	0	0	1,518	201	3	105	1,221	1
% Turns		64.8%		35.2%							88.3%	11.7%	0.2%	7.9%	91.8%	0.1%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:45 17:45	0	207	0	76	0	0	0	0	0	0	1,458	133	4	43	1,615	0
% Turns		73.1%		26.9%							91.6%	8.4%	0.2%	2.6%	97.2%	

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

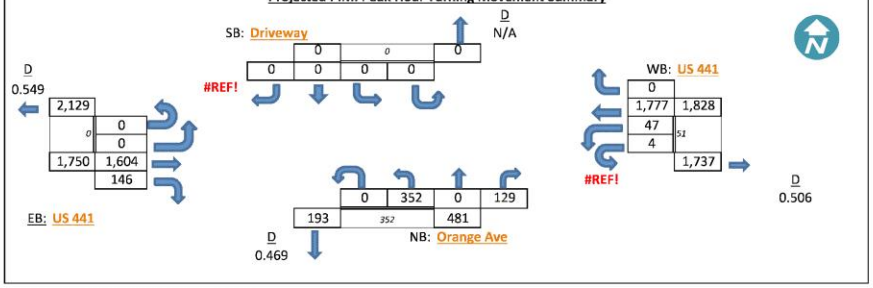
Luke Transportation Engineering Consultants

Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201					
N/S Road:	Orange Ave								Observer:	LTEC						
E/W Road:	US 441								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB		SB		EB		WB		Signal:	Yes						
Growth Fac:	170.00%		170.00%		110.00%		110.00%		Major St Movement:	0.93						
P.M. Peak Hour	Orange Ave Northbound				Driveway Southbound				US 441 Eastbound				US 441 Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	352	0	129	0	0	0	0	0	0	1,604	146	4	47	1,777	0
% Turns		73.1%		26.9%							91.6%	8.4%	0.2%	2.6%	97.2%	

Projected P.M. Peak Hour Turning Movement Summary



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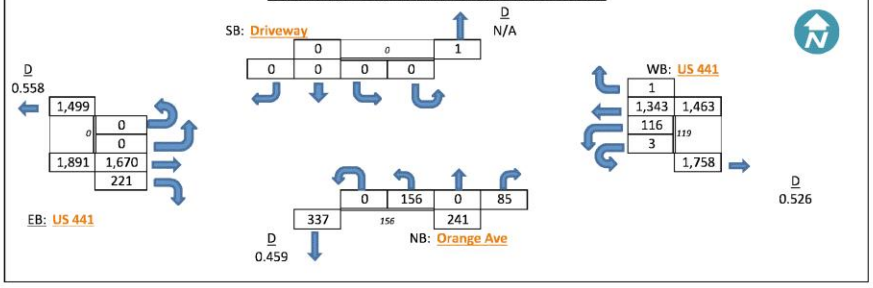
Projected P.M. Peak Hour Turning Movement Summary

	Orange Ave Northbound				Driveway Southbound				US 441 Eastbound				US 441 Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	207	0	76	0	0	0	0	0	0	1,458	133	4	43	1,615	0
Growth	0	145	0	53	0	0	0	0	0	0	146	13	0	4	162	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	159	0	41	0	0	0	0	0	0	0	86	0	22	0	0
Total	0	511	0	170	0	0	0	0	0	0	1,604	232	4	69	1,777	0

Project:	Bronson									LTEC	19-4201					
N/S Road:	Orange Ave								Observer:	LTEC						
E/W Road:	US 441								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB		SB		EB		WB		Signal:	Yes						
Growth Fac:	170.00%		170.00%		110.00%		110.00%		Major St Movement:	0.93						
P.M. Peak Hour	Orange Ave Northbound				Driveway Southbound				US 441 Eastbound				US 441 Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	156	0	85	0	0	0	0	0	0	1,670	221	3	116	1,343	1
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

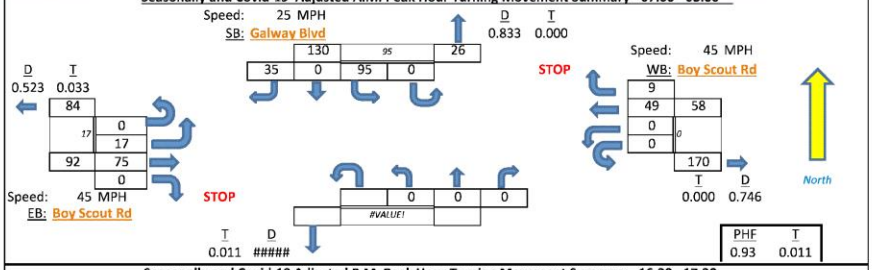
	Orange Ave Northbound				Driveway Southbound				US 441 Eastbound				US 441 Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	92	0	50	0	0	0	0	0	0	1,518	201	3	105	1,221	1
Growth	0	64	0	35	0	0	0	0	0	0	152	20	0	11	122	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	68	0	18	0	0	0	0	0	0	0	113	0	29	0	0
Total	0	224	0	103	0	0	0	0	0	0	1,670	334	3	145	1,343	1

Summary of Vehicle Movements

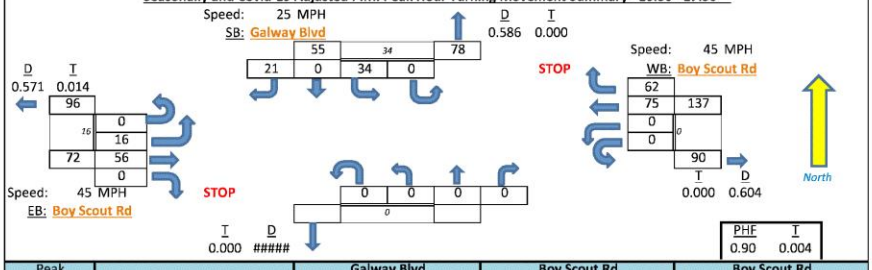
Luke Transportation Engineering Consultants

Project:	Bronson		LTEC 19-4201		
N/S Road:	Galway Blvd		**Observer:**	LTEC	
E/W Road:	Boy Scout Rd		**Weather:**	Clear	
Date:	Tuesday, November 10, 2020		**Rd Condition:**	Ok	
City:	Apopka	**Covid 19 Adjustment Factor**	**Signal:**	No	**Latitude:** 28.660784°
County:	Orange	2018 to 2019 Trend Growth - 1	**Major St Movement:**	North/South	**Longitude:** -81.534802°
FDOT SF:	1.00		**PM Pk Hr Factor:**	0.90	**Station #:** 9

Seasonally and Covid-19 Adjusted A.M. Peak Hour Turning Movement Summary - 07:00 - 08:00



Seasonally and Covid-19 Adjusted P.M. Peak Hour Turning Movement Summary - 16:30 - 17:30



Peak Hour	Northbound				Galway Blvd Southbound				Boy Scout Rd Eastbound				Boy Scout Rd Westbound			
Time Interval	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
# Lanes					1			1		1	1				1	<
Length										150						
7:00 7:15	0	0	0	0	0	30	0	7	0	5	23	0	0	0	8	2
7:15 7:30	0	0	0	0	0	23	0	8	0	2	23	0	0	0	13	2
7:30 7:45	0	0	0	0	0	21	0	10	0	8	13	0	0	0	13	3
7:45 8:00	0	0	0	0	0	21	0	10	0	2	16	0	0	0	15	2
Hourly Sum	0	0	0	0	0	95	0	35	0	17	75	0	0	0	49	9
8:00 8:15	0	0	0	0	0	27	0	7	0	3	11	0	0	0	6	2
8:15 8:30	0	0	0	0	0	19	0	9	0	3	11	0	0	0	7	6
8:30 8:45	0	0	0	0	0	14	0	8	0	2	13	0	0	0	12	2
8:45 9:00	0	0	0	0	0	9	0	5	0	1	24	0	0	0	10	6
Hourly Sum	0	0	0	0	0	69	0	29	0	9	59	0	0	0	35	16
16:00 16:15	0	0	0	0	0	13	0	9	0	5	7	0	0	0	5	19
16:15 16:30	0	0	0	0	0	7	0	6	0	2	18	0	0	0	11	16
16:30 16:45	0	0	0	0	0	8	0	7	0	8	15	0	0	0	13	13
16:45 17:00	0	0	0	0	0	12	0	6	0	2	10	0	0	0	22	14
Hourly Sum	0	0	0	0	0	40	0	28	0	17	50	0	0	0	51	62
17:00 17:15	0	0	0	0	0	7	0	4	0	3	15	0	0	0	19	13
17:15 17:30	0	0	0	0	0	7	0	4	0	3	16	0	0	0	21	22
17:30 17:45	0	0	0	0	0	10	0	4	0	2	10	0	0	0	26	17
17:45 18:00	0	0	0	0	0	7	0	3	0	1	14	0	0	0	20	21
Hourly Sum	0	0	0	0	0	31	0	15	0	9	55	0	0	0	86	73
A.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
7:00 8:00	0	0	0	0	0	95	0	35	0	17	75	0	0	0	49	9
% Turns						73.1%		26.9%		18.5%	81.5%				84.5%	15.5%
P.M. Peak Hour Summary - Seasonally Adjusted with FDOT Factor and COVID-19 Adjusment Factor																
16:30 17:30	0	0	0	0	0	34	0	21	0	16	56	0	0	0	75	62
% Turns						61.8%		38.2%		22.2%	77.8%				54.7%	45.3%

Luke Transportation Engineering Consultants, 2021

Summary of Vehicle Movements

Luke Transportation Engineering Consultants

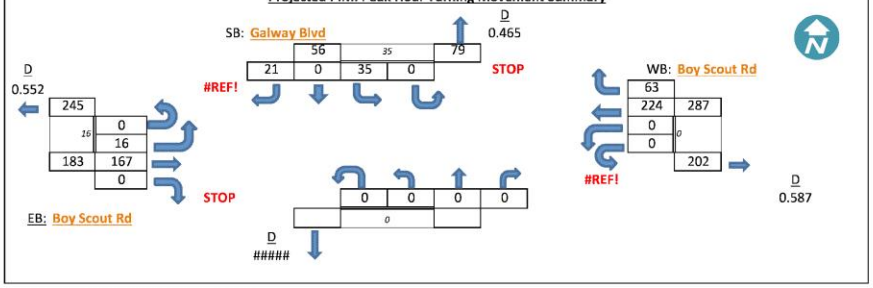
Summary of Future Background Growth Vehicle Movements

Luke Transportation Engineering Consultants

Project:	Bronson									LTEC	19-4201					
N/S Road:	Galway Blvd								Observer:	LTEC						
E/W Road:	Boy Scout Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	102.00%	102.00%	298.00%	298.00%					Major St Movement:	0.90						

P.M. Peak	Northbound				Galway Blvd Southbound				Boy Scout Rd Eastbound				Boy Scout Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	0	0	0	0	35	0	21	0	16	167	0	0	0	224	63
% Turns						61.8%		38.2%		22.2%	77.8%				54.7%	45.3%

Projected P.M. Peak Hour Turning Movement Summary



Luke Transportation Engineering Consultants, 2021

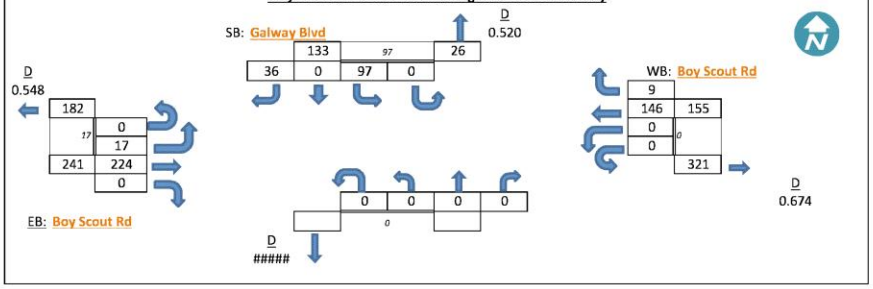
Projected P.M. Peak Hour Turning Movement Summary

	Northbound				Galway Blvd Southbound				Boy Scout Rd Eastbound				Boy Scout Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	0	0	0	0	34	0	21	0	16	56	0	0	0	75	62
Growth	0	0	0	0	0	1	0	0	0	0	111	0	0	0	149	1
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	54	6	82	0	6	3	26	0	53	616	13	0	41	390	5
Total	0	54	6	82	0	41	3	47	0	69	783	13	0	41	614	68

Project:	Bronson									LTEC	19-4201					
N/S Road:	Galway Blvd								Observer:	LTEC						
E/W Road:	Boy Scout Rd								Weather:	Clear						
Date:	Tuesday, November 10, 2020								Rd Condition:	Ok						
Approach:	NB	SB	EB	WB					Signal:	No						
Growth Fac:	102.00%	102.00%	298.00%	298.00%					Major St Movement:	0.90						

P.M. Peak	Northbound				Galway Blvd Southbound				Boy Scout Rd Eastbound				Boy Scout Rd Westbound			
Hour	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Projected	0	0	0	0	0	97	0	36	0	17	224	0	0	0	146	9
% Turns	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt

Projected A.M. Peak Hour Turning Movement Summary



Projected A.M. Peak Hour Turning Movement Summary

	Northbound				Galway Blvd Southbound				Boy Scout Rd Eastbound				Boy Scout Rd Westbound			
	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt	Uturn	Lt	Thru	Rt
Existing	0	0	0	0	0	95	0	35	0	17	75	0	0	0	49	9
Growth	0	0	0	0	0	2	0	1	0	0	149	0	0	0	97	0
Pass-by	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project	0	10	3	6	0	4	6	35	0	21	320	36	0	45	387	2
Total	0	10	3	6	0	101	6	71	0	38	544	36	0	45	533	11

Appendix E –Existing Synchro Worksheet

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HCM 6th TWSC
1: Ocoee Apopka Rd & Bradshaw Rd

Existing AM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	5

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	18	203	217	293	273	20
Future Vol, veh/h	18	203	217	293	273	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	19	216	231	312	290	21

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1075	301	311	0	-	0
Stage 1	301	-	-	-	-	-
Stage 2	774	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	243	739	1249	-	-	-
Stage 1	751	-	-	-	-	-
Stage 2	455	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	189	739	1249	-	-	-
Mov Cap-2 Maneuver	189	-	-	-	-	-
Stage 1	583	-	-	-	-	-
Stage 2	455	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	14.9	3.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	1249	-	597	-	-
HCM Lane V/C Ratio	0.185	-	0.394	-	-
HCM Control Delay (s)	8.5	0	14.9	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.7	-	1.9	-	-

HCM 6th TWSC
2: Marder Rd & Ocoee Apopka Rd

Existing AM Peak Hour
04/20/2021

Intersection						
Int Delay, s/veh	4.5					

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	327	70	64	331	72	125
Future Vol, veh/h	327	70	64	331	72	125
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	352	75	69	356	77	134

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	427	0	884	390
Stage 1	-	-	-	-	390	-
Stage 2	-	-	-	-	494	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1132	-	316	658
Stage 1	-	-	-	-	684	-
Stage 2	-	-	-	-	613	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1132	-	292	658
Mov Cap-2 Maneuver	-	-	-	-	292	-
Stage 1	-	-	-	-	684	-
Stage 2	-	-	-	-	566	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.4	19.9
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	451	-	-	1132	-
HCM Lane V/C Ratio	0.47	-	-	0.061	-
HCM Control Delay (s)	19.9	-	-	8.4	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	2.5	-	-	0.2	-

HCM 6th TWSC
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd

Existing AM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	4.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	15	272	2	10	349	43	1	0	5	117	0	53
Future Vol, veh/h	15	272	2	10	349	43	1	0	5	117	0	53
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	575	-	-	445	-	-	-	-	80	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	17	17	17	2	2	2
Mvmt Flow	16	286	2	11	367	45	1	0	5	123	0	56

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	412	0	0	288	0	0	759	753	287	734	732	390
Stage 1	-	-	-	-	-	-	319	319	-	412	412	-
Stage 2	-	-	-	-	-	-	440	434	-	322	320	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.27	6.67	6.37	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.67	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.67	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.653	4.153	3.453	3.518	4.018	3.318
Pot Cap-1 Maneuver	1147	-	-	1274	-	-	305	321	718	336	348	658
Stage 1	-	-	-	-	-	-	662	627	-	617	594	-
Stage 2	-	-	-	-	-	-	568	556	-	690	652	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1147	-	-	1274	-	-	275	314	718	328	340	658
Mov Cap-2 Maneuver	-	-	-	-	-	-	275	314	-	328	340	-
Stage 1	-	-	-	-	-	-	653	618	-	608	589	-
Stage 2	-	-	-	-	-	-	515	551	-	675	643	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.2	11.4	21.9
HCM LOS			B	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	275	718	1147	-	-	1274	-	-	389
HCM Lane V/C Ratio	0.004	0.007	0.014	-	-	0.008	-	-	0.46
HCM Control Delay (s)	18.1	10.1	8.2	-	-	7.8	-	-	21.9
HCM Lane LOS	C	B	A	-	-	A	-	-	C
HCM 95th %tile Q(veh)	0	0	0	-	-	0	-	-	2.3

HCM 6th TWSC
4: Ocoee Apopka Rd & Harmon Rd

Existing AM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	1.9

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	41	23	70	359	561	33
Future Vol, veh/h	41	23	70	359	561	33
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	215	0	250	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	4	4	2	2
Mvmt Flow	43	24	74	378	591	35

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1135	313	626	0	-	0
Stage 1	609	-	-	-	-	-
Stage 2	526	-	-	-	-	-
Critical Hdwy	6.63	6.93	4.16	-	-	-
Critical Hdwy Stg 1	5.83	-	-	-	-	-
Critical Hdwy Stg 2	5.43	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.238	-	-	-
Pot Cap-1 Maneuver	209	684	942	-	-	-
Stage 1	506	-	-	-	-	-
Stage 2	592	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	192	684	942	-	-	-
Mov Cap-2 Maneuver	192	-	-	-	-	-
Stage 1	466	-	-	-	-	-
Stage 2	592	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	22.4	1.5	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SELn2	SWT	SWR
Capacity (veh/h)	942	-	192	684	-	-
HCM Lane V/C Ratio	0.078	-	0.225	0.035	-	-
HCM Control Delay (s)	9.1	-	29.1	10.5	-	-
HCM Lane LOS	A	-	D	B	-	-
HCM 95th %tile Q(veh)	0.3	-	0.8	0.1	-	-

HCM 6th TWSC
5: Ocoee Apopka Rd & Keene Rd

Existing AM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	8.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	158	35	412	169	32	466
Future Vol, veh/h	158	35	412	169	32	466
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	6	6	4	4	2	2
Mvmt Flow	165	36	429	176	33	485

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1068	517	0	0	605	0
Stage 1	517	-	-	-	-	-
Stage 2	551	-	-	-	-	-
Critical Hdwy	6.46	6.26	-	-	4.12	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.354	-	-	2.218	-
Pot Cap-1 Maneuver	241	550	-	-	973	-
Stage 1	590	-	-	-	-	-
Stage 2	569	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	230	550	-	-	973	-
Mov Cap-2 Maneuver	230	-	-	-	-	-
Stage 1	590	-	-	-	-	-
Stage 2	543	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	55.6	0	0.6
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	257	973	-
HCM Lane V/C Ratio	-	-	0.782	0.034	-
HCM Control Delay (s)	-	-	55.6	8.8	0
HCM Lane LOS	-	-	F	A	A
HCM 95th %tile Q(veh)	-	-	5.9	0.1	-

HCM 6th TWSC
6: Binion Rd & Verde View Dr/Harmon Rd

Existing AM Peak Hour
04/20/2021

Intersection												
Int Delay, s/veh	3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↰	↱			↕	
Traffic Vol, veh/h	29	10	21	36	3	26	9	221	16	25	356	11
Future Vol, veh/h	29	10	21	36	3	26	9	221	16	25	356	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	415	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	32	11	23	40	3	29	10	243	18	27	391	12

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	739	732	397	740	729	252	403	0	0	261	0	0
Stage 1	451	451	-	272	272	-	-	-	-	-	-	-
Stage 2	288	281	-	468	457	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	333	348	652	333	350	787	1156	-	-	1303	-	-
Stage 1	588	571	-	734	685	-	-	-	-	-	-	-
Stage 2	720	678	-	575	568	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	310	335	652	305	337	787	1156	-	-	1303	-	-
Mov Cap-2 Maneuver	310	335	-	305	337	-	-	-	-	-	-	-
Stage 1	583	556	-	727	679	-	-	-	-	-	-	-
Stage 2	685	672	-	529	553	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	16.2	15.8	0.3	0.5
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1156	-	-	386	406	1303	-	-
HCM Lane V/C Ratio	0.009	-	-	0.171	0.176	0.021	-	-
HCM Control Delay (s)	8.1	-	-	16.2	15.8	7.8	0	-
HCM Lane LOS	A	-	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.6	0.6	0.1	-	-

HCM 6th TWSC
7: Binion Rd & Driveway/Boy Scout Rd

Existing AM Peak Hour
04/20/2021

Intersection												
Int Delay, s/veh	1.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	1	2	35	1	10	2	172	29	49	247	0
Future Vol, veh/h	0	1	2	35	1	10	2	172	29	49	247	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	1	2	36	1	10	2	179	30	51	257	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	563	572	257	559	557	194	257	0	0	209	0	0
Stage 1	359	359	-	198	198	-	-	-	-	-	-	-
Stage 2	204	213	-	361	359	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	437	430	782	440	439	847	1308	-	-	1362	-	-
Stage 1	659	627	-	804	737	-	-	-	-	-	-	-
Stage 2	798	726	-	657	627	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	416	410	782	423	419	847	1308	-	-	1362	-	-
Mov Cap-2 Maneuver	416	410	-	423	419	-	-	-	-	-	-	-
Stage 1	658	599	-	802	736	-	-	-	-	-	-	-
Stage 2	785	725	-	625	599	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11	13.4	0.1	1.3
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1308	-	-	600	475	1362	-	-
HCM Lane V/C Ratio	0.002	-	-	0.005	0.101	0.037	-	-
HCM Control Delay (s)	7.8	0	-	11	13.4	7.7	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.3	0.1	-	-

Queues
8: Orange Ave/Driveway & US 441

Existing AM Peak Hour
04/20/2021

Lane Group	EBT	EBR	WBL	WBT	NBT
Lane Group Flow (vph)	1581	209	113	1273	148
v/c Ratio	0.69	0.19	0.45	0.46	0.64
Control Delay	15.4	1.8	10.2	5.2	33.1
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	15.4	1.8	10.2	5.2	33.1
Queue Length 50th (ft)	317	0	14	124	40
Queue Length 95th (ft)	555	31	45	219	108
Internal Link Dist (ft)	897			744	658
Turn Bay Length (ft)		510	300		
Base Capacity (vph)	2307	1104	362	2759	301
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.69	0.19	0.31	0.46	0.49

Intersection Summary

HCM 6th Signalized Intersection Summary
8: Orange Ave/Driveway & US 441

Existing AM Peak Hour
04/20/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1518	201	108	1221	1	92	0	50	0	0	0
Future Volume (veh/h)	0	1518	201	108	1221	1	92	0	50	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	1581	209	112	1272	1	96	0	52	0	0	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	62	2396	1069	247	2809	2	160	3	61	0	218	0
Arrive On Green	0.00	0.67	0.67	0.04	0.77	0.77	0.12	0.00	0.12	0.00	0.00	0.00
Sat Flow, veh/h	435	3554	1585	1781	3644	3	930	30	520	0	1870	0
Grp Volume(v), veh/h	0	1581	209	112	620	653	148	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	435	1777	1585	1781	1777	1870	1480	0	0	0	1870	0
Q Serve(g_s), s	0.0	30.1	5.7	2.1	14.2	14.2	11.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	30.1	5.7	2.1	14.2	14.2	11.3	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.65		0.35	0.00		0.00
Lane Grp Cap(c), veh/h	62	2396	1069	247	1370	1441	224	0	0	0	218	0
V/C Ratio(X)	0.00	0.66	0.20	0.45	0.45	0.45	0.66	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	62	2396	1069	422	1370	1441	282	0	0	0	292	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	11.0	7.1	12.1	4.7	4.7	50.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.4	0.4	1.3	1.1	1.0	3.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	10.3	1.8	1.1	4.0	4.2	4.3	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	12.5	7.5	13.4	5.7	5.7	53.9	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	B	A	B	A	A	D	A	A	A	A	A
Approach Vol, veh/h		1790			1385			148			0	
Approach Delay, s/veh		11.9			6.3			53.9			0.0	
Approach LOS		B			A			D				
Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		95.7		19.7	11.2	84.5		19.7				
Change Period (Y+Rc), s		6.7		6.3	6.3	6.7		6.3				
Max Green Setting (Gmax), s		89.0		18.0	16.2	66.5		18.0				
Max Q Clear Time (g_c+I1), s		16.2		13.3	4.1	32.1		0.0				
Green Ext Time (p_c), s		10.5		0.2	0.2	16.2		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			11.5									
HCM 6th LOS			B									

HCM 6th TWSC
9: Boy Scout Rd & Galway Blvd

Existing AM Peak Hour
04/20/2021

Intersection						
Int Delay, s/veh	4.9					

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	95	32	49	9	17	75
Future Vol, veh/h	95	32	49	9	17	75
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	150	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	3	3
Mvmt Flow	101	34	52	10	18	80

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	173	57	0	0	62	0
Stage 1	57	-	-	-	-	-
Stage 2	116	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.13	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.227	-
Pot Cap-1 Maneuver	817	1009	-	-	1535	-
Stage 1	966	-	-	-	-	-
Stage 2	909	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	807	1009	-	-	1535	-
Mov Cap-2 Maneuver	807	-	-	-	-	-
Stage 1	966	-	-	-	-	-
Stage 2	898	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.7	0	1.4
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	807	1009	1535	-
HCM Lane V/C Ratio	-	-	0.125	0.034	0.012	-
HCM Control Delay (s)	-	-	10.1	8.7	7.4	-
HCM Lane LOS	-	-	B	A	A	-
HCM 95th %tile Q(veh)	-	-	0.4	0.1	0	-

HCM 6th TWSC
1: Ocoee Apopka Rd & Bradshaw Rd

Existing PM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	6.5

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	23	252	249	322	273	21
Future Vol, veh/h	23	252	249	322	273	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	274	271	350	297	23

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1201	309	320	0	-	0
Stage 1	309	-	-	-	-	-
Stage 2	892	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	204	731	1240	-	-	-
Stage 1	745	-	-	-	-	-
Stage 2	400	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	149	731	1240	-	-	-
Mov Cap-2 Maneuver	149	-	-	-	-	-
Stage 1	543	-	-	-	-	-
Stage 2	400	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	19	3.8	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	1240	-	551	-	-
HCM Lane V/C Ratio	0.218	-	0.542	-	-
HCM Control Delay (s)	8.7	0	19	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0.8	-	3.2	-	-

HCM 6th TWSC
2: Marder Rd & Ocoee Apopka Rd

Existing PM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	10

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	420	67	177	325	72	105
Future Vol, veh/h	420	67	177	325	72	105
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	472	75	199	365	81	118

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	547	0	1273	510
Stage 1	-	-	-	-	510	-
Stage 2	-	-	-	-	763	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1022	-	185	563
Stage 1	-	-	-	-	603	-
Stage 2	-	-	-	-	460	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1022	-	140	563
Mov Cap-2 Maneuver	-	-	-	-	140	-
Stage 1	-	-	-	-	603	-
Stage 2	-	-	-	-	348	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	56.8
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	253	-	-	1022	-
HCM Lane V/C Ratio	0.786	-	-	0.195	-
HCM Control Delay (s)	56.8	-	-	9.4	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	5.9	-	-	0.7	-

HCM 6th TWSC
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd

Existing PM Peak Hour
04/20/2021

Intersection												
Int Delay, s/veh	3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	44	419	1	1	304	90	3	3	9	68	1	13
Future Vol, veh/h	44	419	1	1	304	90	3	3	9	68	1	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	575	-	-	445	-	-	-	-	80	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	49	466	1	1	338	100	3	3	10	76	1	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	438	0	0	467	0	0	963	1005	467	961	955	388
Stage 1	-	-	-	-	-	-	565	565	-	390	390	-
Stage 2	-	-	-	-	-	-	398	440	-	571	565	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1122	-	-	1094	-	-	235	241	596	236	258	660
Stage 1	-	-	-	-	-	-	510	508	-	634	608	-
Stage 2	-	-	-	-	-	-	628	578	-	506	508	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1122	-	-	1094	-	-	221	230	596	222	246	660
Mov Cap-2 Maneuver	-	-	-	-	-	-	221	230	-	222	246	-
Stage 1	-	-	-	-	-	-	488	486	-	606	607	-
Stage 2	-	-	-	-	-	-	613	577	-	473	486	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0	15.3	27.7
HCM LOS			C	D

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	225	596	1122	-	-	1094	-	-	248
HCM Lane V/C Ratio	0.03	0.017	0.044	-	-	0.001	-	-	0.367
HCM Control Delay (s)	21.5	11.1	8.4	-	-	8.3	-	-	27.7
HCM Lane LOS	C	B	A	-	-	A	-	-	D
HCM 95th %tile Q(veh)	0.1	0.1	0.1	-	-	0	-	-	1.6

HCM 6th TWSC
4: Ocoee Apopka Rd & Harmon Rd

Existing PM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	2.1

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	35	43	86	681	468	21
Future Vol, veh/h	35	43	86	681	468	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	215	0	250	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	5	5	2	2	2	2
Mvmt Flow	37	45	91	717	493	22

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1403	258	515	0	-	0
Stage 1	504	-	-	-	-	-
Stage 2	899	-	-	-	-	-
Critical Hdwy	6.675	6.975	4.13	-	-	-
Critical Hdwy Stg 1	5.875	-	-	-	-	-
Critical Hdwy Stg 2	5.475	-	-	-	-	-
Follow-up Hdwy	3.5475	3.3475	2.219	-	-	-
Pot Cap-1 Maneuver	139	734	1049	-	-	-
Stage 1	566	-	-	-	-	-
Stage 2	390	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	127	734	1049	-	-	-
Mov Cap-2 Maneuver	127	-	-	-	-	-
Stage 1	517	-	-	-	-	-
Stage 2	390	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	25.6	1	0
HCM LOS	D		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SELn2	SWT	SWR
Capacity (veh/h)	1049	-	127	734	-	-
HCM Lane V/C Ratio	0.086	-	0.29	0.062	-	-
HCM Control Delay (s)	8.8	-	44.5	10.2	-	-
HCM Lane LOS	A	-	E	B	-	-
HCM 95th %tile Q(veh)	0.3	-	1.1	0.2	-	-

HCM 6th TWSC
5: Ocoee Apopka Rd & Keene Rd

Existing PM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	14.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	169	45	494	193	22	415
Future Vol, veh/h	169	45	494	193	22	415
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	5	5	2	2	2	2
Mvmt Flow	182	48	531	208	24	446

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1129	635	0	0	739	0
Stage 1	635	-	-	-	-	-
Stage 2	494	-	-	-	-	-
Critical Hdwy	6.45	6.25	-	-	4.12	-
Critical Hdwy Stg 1	5.45	-	-	-	-	-
Critical Hdwy Stg 2	5.45	-	-	-	-	-
Follow-up Hdwy	3.545	3.345	-	-	2.218	-
Pot Cap-1 Maneuver	223	473	-	-	867	-
Stage 1	522	-	-	-	-	-
Stage 2	607	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	215	473	-	-	867	-
Mov Cap-2 Maneuver	215	-	-	-	-	-
Stage 1	522	-	-	-	-	-
Stage 2	585	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	88.2	0	0.5
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	243	867	-
HCM Lane V/C Ratio	-	-	0.947	0.027	-
HCM Control Delay (s)	-	-	88.2	9.3	0
HCM Lane LOS	-	-	F	A	A
HCM 95th %tile Q(veh)	-	-	8.5	0.1	-

HCM 6th TWSC
6: Binion Rd & Verde View Dr/Harmon Rd

Existing PM Peak Hour
04/20/2021

Intersection												
Int Delay, s/veh	4.3											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↰	↱		↕	
Traffic Vol, veh/h	4	4	20	74	6	58	24	428	30	14	175	29
Future Vol, veh/h	4	4	20	74	6	58	24	428	30	14	175	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	415	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	4	4	4	2	2	2	2	2	2
Mvmt Flow	4	4	22	82	7	64	27	476	33	16	194	32

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	824	805	210	802	805	493	226	0	0	509	0	0
Stage 1	242	242	-	547	547	-	-	-	-	-	-	-
Stage 2	582	563	-	255	258	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.14	6.54	6.24	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.14	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.14	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.536	4.036	3.336	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	292	316	830	300	314	572	1342	-	-	1056	-	-
Stage 1	762	705	-	518	514	-	-	-	-	-	-	-
Stage 2	499	509	-	745	691	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	248	304	830	281	302	572	1342	-	-	1056	-	-
Mov Cap-2 Maneuver	248	304	-	281	302	-	-	-	-	-	-	-
Stage 1	747	693	-	508	504	-	-	-	-	-	-	-
Stage 2	428	499	-	708	679	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.3	22.3	0.4	0.5
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1342	-	-	525	359	1056	-	-
HCM Lane V/C Ratio	0.02	-	-	0.059	0.427	0.015	-	-
HCM Control Delay (s)	7.7	-	-	12.3	22.3	8.5	0	-
HCM Lane LOS	A	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.2	2.1	0	-	-

HCM 6th TWSC
7: Binion Rd & Driveway/Boy Scout Rd

Existing PM Peak Hour
04/20/2021

Intersection												
Int Delay, s/veh	1.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	2	1	2	18	1	51	1	358	42	22	135	3
Future Vol, veh/h	2	1	2	18	1	51	1	358	42	22	135	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	1	2	21	1	60	1	421	49	26	159	4

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	691	685	161	663	663	446	163	0	0	470	0	0
Stage 1	213	213	-	448	448	-	-	-	-	-	-	-
Stage 2	478	472	-	215	215	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	359	371	884	375	382	612	1416	-	-	1092	-	-
Stage 1	789	726	-	590	573	-	-	-	-	-	-	-
Stage 2	568	559	-	787	725	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	316	361	884	365	372	612	1416	-	-	1092	-	-
Mov Cap-2 Maneuver	316	361	-	365	372	-	-	-	-	-	-	-
Stage 1	788	707	-	589	572	-	-	-	-	-	-	-
Stage 2	511	558	-	763	706	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	13.3	13.3	0	1.2
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1416	-	-	440	517	1092	-	-
HCM Lane V/C Ratio	0.001	-	-	0.013	0.159	0.024	-	-
HCM Control Delay (s)	7.5	0	-	13.3	13.3	8.4	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.6	0.1	-	-

Queues
8: Orange Ave/Driveway & US 441

Existing PM Peak Hour
04/20/2021

Lane Group	EBT	EBR	WBL	WBT	NBT
Lane Group Flow (vph)	1568	143	51	1737	305
v/c Ratio	0.72	0.14	0.26	0.70	0.91
Control Delay	19.7	2.2	9.1	12.6	63.1
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	19.7	2.2	9.1	12.6	63.1
Queue Length 50th (ft)	459	0	11	395	165
Queue Length 95th (ft)	567	28	24	476	#320
Internal Link Dist (ft)	897			744	658
Turn Bay Length (ft)		510	300		
Base Capacity (vph)	2173	1027	330	2485	368
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.72	0.14	0.15	0.70	0.83

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
8: Orange Ave/Driveway & US 441

Existing PM Peak Hour
04/20/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1458	133	47	1615	0	207	0	76	0	0	0
Future Volume (veh/h)	0	1458	133	47	1615	0	207	0	76	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	1568	143	51	1737	0	223	0	82	0	0	0
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	60	2130	950	201	2437	0	272	0	81	0	385	0
Arrive On Green	0.00	0.60	0.60	0.03	0.69	0.00	0.21	0.00	0.21	0.00	0.00	0.00
Sat Flow, veh/h	278	3554	1585	1781	3647	0	1067	0	392	0	1870	0
Grp Volume(v), veh/h	0	1568	143	51	1737	0	305	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	278	1777	1585	1781	1777	0	1459	0	0	0	1870	0
Q Serve(g_s), s	0.0	38.0	4.8	1.2	36.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	38.0	4.8	1.2	36.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.73		0.27	0.00		0.00
Lane Grp Cap(c), veh/h	60	2130	950	201	2437	0	352	0	0	0	385	0
V/C Ratio(X)	0.00	0.74	0.15	0.25	0.71	0.00	0.87	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	60	2130	950	381	2437	0	352	0	0	0	385	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	17.2	10.6	15.7	11.6	0.0	47.8	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.3	0.3	0.7	1.8	0.0	19.7	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	14.4	1.6	0.5	12.3	0.0	10.8	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	19.6	10.9	16.3	13.4	0.0	67.5	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	B	B	B	B	A	E	A	A	A	A	A
Approach Vol, veh/h		1711			1788			305			0	
Approach Delay, s/veh		18.8			13.5			67.5			0.0	
Approach LOS		B			B			E				
Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		89.0		31.0	10.4	78.6		31.0				
Change Period (Y+Rc), s		6.7		6.3	6.3	6.7		6.3				
Max Green Setting (Gmax), s		82.3		24.7	16.2	59.8		24.7				
Max Q Clear Time (g_c+I1), s		38.0		26.7	3.2	40.0		0.0				
Green Ext Time (p_c), s		19.3		0.0	0.1	11.6		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			20.2									
HCM 6th LOS			C									

HCM 6th TWSC
9: Boy Scout Rd & Galway Blvd

Existing PM Peak Hour
04/20/2021

Intersection	
Int Delay, s/veh	2.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	34	21	75	62	16	56
Future Vol, veh/h	34	21	75	62	16	56
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	150	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	39	24	85	70	18	64

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	220	120	0	0	155	0
Stage 1	120	-	-	-	-	-
Stage 2	100	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	768	931	-	-	1425	-
Stage 1	905	-	-	-	-	-
Stage 2	924	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	758	931	-	-	1425	-
Mov Cap-2 Maneuver	758	-	-	-	-	-
Stage 1	905	-	-	-	-	-
Stage 2	912	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.6	0	1.7
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	758	931	1425	-
HCM Lane V/C Ratio	-	-	0.051	0.026	0.013	-
HCM Control Delay (s)	-	-	10	9	7.6	-
HCM Lane LOS	-	-	B	A	A	-
HCM 95th %tile Q(veh)	-	-	0.2	0.1	0	-

Appendix F – Traffic Allocation Form

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TRAFFIC ALLOCATION FORM

1. Development Name: Centerline Capital - Bronson
2. Development Location: Boy Scout Road
3. Development Size: Mixed-use Development - 1,500,000 SF Industrial, 643 SF DU's, 678 MF DU's 24,000 SF Office and 300,000 SF Retail.
4. Trip Generation: ITE 10th Edition

#	ITE Land Use Code	Daily Rate	ADT	ITE Peak Hour Rate	PM Peak Hour Trips: Total	Internal	Pass-By	Primary	Inbound (Net)	Outbound (Net)
1	110	4.96	7,440	0.97	1,455	0	0	1,455	189	1,266
2	210	9.43	3,206	0.97	329	95	0	234	139	95
3	210	9.52	2,883	0.97	294	84	0	210	125	85
4	220	7.42	2,227	0.52	157	45	0	112	67	45
5	220	7.45	2,817	0.51	192	56	0	136	81	55
6	710	10.70	803	1.16	87	27	0	60	2	58
7	820	37.75	944	3.81	96	19	14	63	33	30
8	820	60.12	6,012	5.43	544	107	78	359	190	169
9	820	37.75	944	3.81	96	0	18	78	37	41
10	820	52.80	7,921	4.89	733	163	100	470	254	216
	Total		***35,197***		***3,983***	***596***	***210***	***3,177***	***1,117***	***2,060***

5. Draw a representative sketch on the following page showing the site and all the access driveways leading onto the adjacent roadway segments.
   See Figure 2 for the conceptual site plan

6. Based on the total ADT from the table above (step #4), circle the appropriate ADT category:
   A. De-minimus or < 20 ADT B. < 400 ADT C. > 400 ADT (D. > 1,000 ADT)

7. If A or B was circled, STOP HERE. Otherwise, use the enclosed roadway map to display the development's P.M. Peak Hour allocated trips on all impacted CMS roadway segments.

Luke Transportation Engineering Consultants, Inc., 2020

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Appendix G – Internal Capture Worksheets

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NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Centerline Capital - Bronson Property	**Organization:**	LTEC
Project Location:	Boy Scout Road - Apopka	**Performed By:**	JTR
Scenario Description:	Build-out	**Date:**	10/2/2020
Analysis Year:	2025	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office	710	75,000	SF	97	83	14
Retail	820	300,000	SF	477	296	181
Restaurant				0	0	0
Cinema/Entertainment				0	0	0
Residential	210/220	1,321	DU	771	187	584
Hotel				0	0	0
All Other Land Uses[2]	110	1,500,000	SF	1050	924	126
Total				2395	1490	905

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	0	0	0	0
Retail	3		0	0	4	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	6	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	2,395	1,490	905
Internal Capture Percentage	2%	1%	2%
External Vehicle-Trips[3]	2,357	1,471	886
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	6%	29%
Retail	3%	4%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.
[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator
[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A
[4]Person-Trips
*Indicates computation that has been rounded to the nearest whole number.
Estimation Tool Developed by the Texas Transportation Institute

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Centerline Capital - Bronson Property	**Organization:**	LTEC
Project Location:	Boy Scout Road - Apopka	**Performed By:**	JTR
Scenario Description:	Build-out	**Date:**	10/2/2020
Analysis Year:	2025	**Checked By:**	
Analysis Period:	PM Street Peak Hour	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office	710	75,000	SF	87	14	73
Retail	820	300,000	SF	1469	705	764
Restaurant				0	0	0
Cinema/Entertainment				0	0	0
Residential	210/220	1,321	DU	972	612	360
Hotel				0	0	0
All Other Land Uses[2]	110	1,500,000	SF	1455	189	1,266
Total				3983	1520	2463

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		15	0	0	1	0
Retail	4		0	0	199	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	8	71	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	3,983	1,520	2,463
Internal Capture Percentage	15%	20%	12%
External Vehicle-Trips[3]	3,387	1,222	2,165
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	86%	22%
Retail	12%	27%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	33%	22%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.
[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator
[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P
[4]Person-Trips
*Indicates computation that has been rounded to the nearest whole number.
Estimation Tool Developed by the Texas Transportation Institute

Appendix H – Distribution Plot

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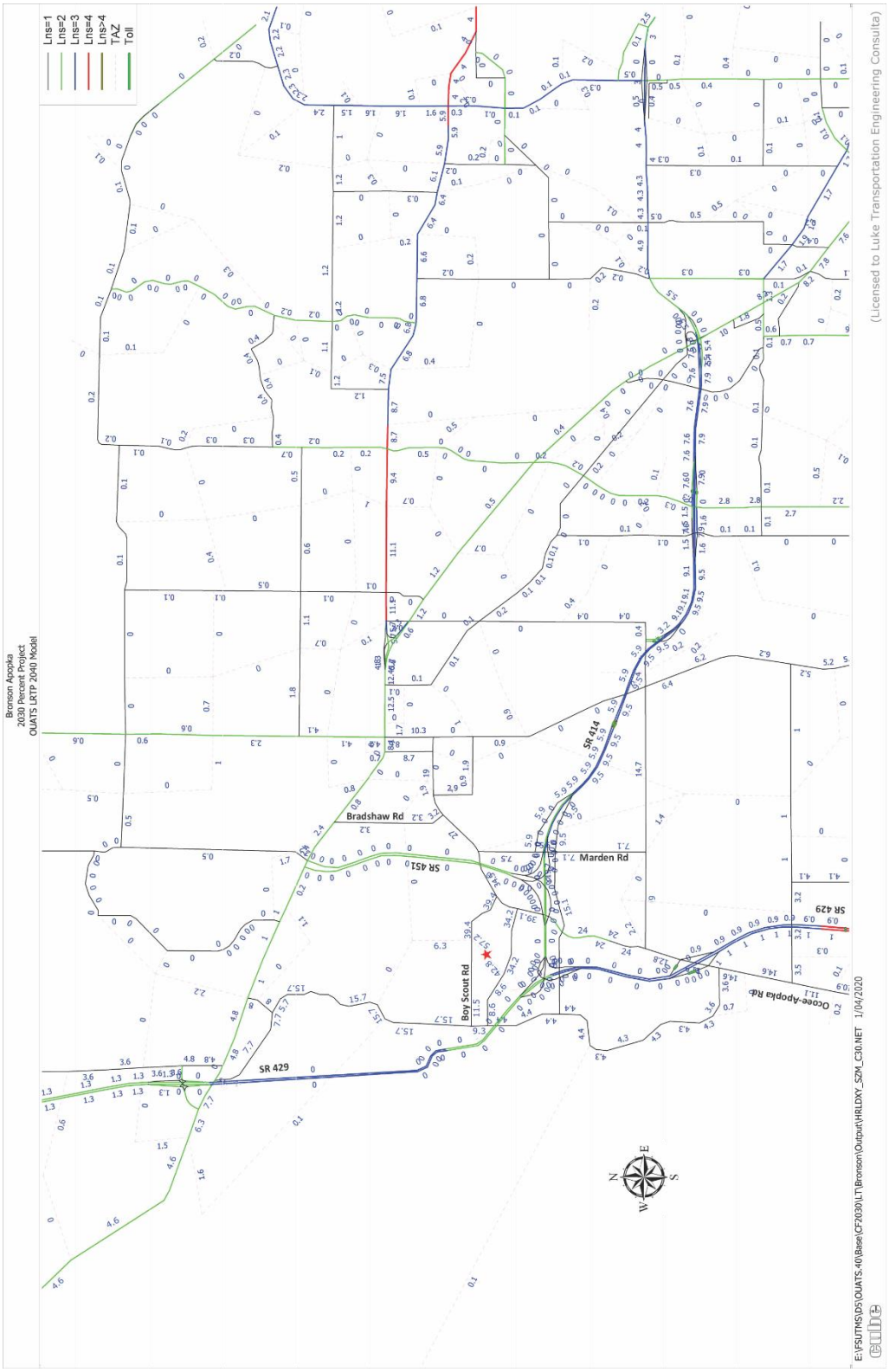
Lns=1
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TAZ
Toll
Bronson Apopka
2030 Percent Project
OUATS LRTP 2040 Model
Bradshaw Rd
Marden Rd
SR 451
SR 414
SR 429
Boy Scout Rd
Ocoee-Apopka Rd
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Appendix I – Encumbered Trips Worksheets

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City of Apopka CMS

2020 Daily and PM Peak Hour/Peak Direction (PH/PD) Encumbered Traffic Allocation Worksheets

Base Traffic Volume: 2020 **FINAL REPORT** **Revision Date: 4/1/2021**

Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
CR 437A (Ocoee-Apopka Road/Michael Gladden Boulevard/Central Avenue)												
Keene Rd to Harmon Rd	2L	E	17,700	880				12,886	2,217	559	165	NB/EB
					Alta East Shore	212	10		12.53%		18.71%	
					Carter Island Industrial	69	5					
					Central Florida Prep School	74	3					
					Clearlake Landing	25	1					
					Emerson North Townhomes (fka Emerson North Apartments)	7	0					
					Emerson Point Apartments	153	9					
					Greystone Skilled Nursing Facility	373	13					
					Marden Ridge Apartments	263	16					
					Oakmont Industrial Facility	213	22					
					Oak Point PD	449	17					
					Oak Point South (fka, Thompson Hills Estates)	427	43					
					Residences at Emerson Park	332	17					
					Applicant Inventory Total	2,597	156					
Harmon Rd to Boy Scout Rd	2L	E	17,700	880				12,886	2,376	559	184	NB/EB
					Alta East Shore	529	14		13.42%		20.86%	
					Central Florida Prep School	149	3					
					Clearlake Landing	25	1					
					Emerson North Townhomes (fka Emerson North Apartments)	7	0					
					Emerson Point Apartments	153	9					
					Greystone Skilled Nursing Facility	356	12					
					Marden Ridge Apartments	439	26					
					Oakmont Industrial Facility	213	22					
					Oak Point South (fka, Thompson Hills Estates)	427	43					
					Residences at Emerson Park	140	7					
					Applicant Inventory Total	2,438	137					
Boy Scout Rd to Bradshaw Rd	2L	E	17,700	880				12,317	3,143	524	214	NB/EB
					Central Florida Prep School	372	11		17.76%		24.35%	
					Clearlake Landing	8	0					
					Emerson North Townhomes (fka Emerson North Apartments)	24	1					
					Emerson Point Apartments	340	19					
					Johns Road Commerce Center	69	10					
					Lakeside (aka Lake Marshall)	578	35					
					Magnolia Commerce Center	5	1					
					Marden Ridge Apartments	527	32					
					Oakmont Industrial Facility	317	33					
					Applicant Inventory Total	2,240	142					
Binion Road (CR 437)/Orange Avenue (CR 437)												
Ocoee-Apopka Rd to Harmon Rd	2L	E	17,700	880				4,361	11,518	233	552	SB/WB
					Alta East Shore	423	19		65.07%		62.67%	
					Avian Pointe	512	18					
					Binion Reserve	126	8					
					Carter Island Industrial	117	1					
					Clearlake Landing	33	2					
					Clear Lake Reserve	21	1					
					Oak Point PD	112	4					
					Oak Point South (fka, Thompson Hills Estates)	341	34					
					Residences at Emerson Park	15	0					
					Vistas at Waters Edge	121	8					
					Applicant Inventory Total	1,821	95					

Luke Transportation Engineering Consultants

City of Apopka CMS
2020 Daily and PM Peak Hour/Peak Direction (PH/PD) Encumbered Traffic Allocation Worksheets
FINAL REPORT

Base Traffic Volume: 2020 **Revision Date: 4/1/2021**

Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Harmon Rd to Boy Scout Rd	2L	E	17,700	880				5,774	8,892	309	430	NB/EB
					Alta East Shore	106	3		50.24%		48.87%	
					Avian Pointe	2,049	72					
					Binion Reserve	126	8					
					Clearlake Landing	33	2					
					Clear Lake Reserve	21	1					
					Oak Point South (fka. Thompson Hills Estates)	341	34					
					Residences at Emerson Park	74	2					
					Vistas at Waters Edge	284	19					
					Applicant Inventory Total	3,034	141					
Boy Scout Rd to Lakeview Dr	2L	E	17,700	880				6,669	6,601	346	350	NB/EB
					Apopka Expressway Commerce	52	6		37.29%		39.77%	
					Avian Pointe	3,586	126					
					Binion Reserve	273	18					
					Chandler Estates	10	1					
					Clearlake Landing	98	5					
					Clear Lake Reserve	43	3					
					Coke Property	252	15					
					Hermit Smith - Apopka Warehouse	30	1					
					Mid-Florida Logistics Park	5	1					
					Oakmont Industrial Facility	81	8					
					Applicant Inventory Total	4,430	184					
Lakeview Dr to US 441	2L	E	17,700	880				5,236	9,161	302	444	NB/EB
					Apopka Expressway Commerce	126	15		51.76%		50.44%	
					Avian Pointe	2,767	94					
					Chandler Estates	10	1					
					Clearlake Landing	33	2					
					Coke Property	189	7					
					Hermit Smith - Apopka Warehouse	162	13					
					Mid-Florida Logistics Park	16	2					
					Applicant Inventory Total	3,303	134					
Boy Scout Road												
Binion Rd to Ocoee-Apopka Rd	2L	E	15,900	790				1,495	12,347	77	627	SB/WB
					Alta East Shore	85	4		77.65%		79.37%	
					Avian Pointe	1,537	54					
					Binion Reserve	105	7					
					Central Florida Prep School	74	2					
					Clearlake Landing	33	2					
					Lakeside (aka Lake Marshall)	143	9					
					Oakmont Industrial Facility	81	8					
					Applicant Inventory Total	2,058	86					
Bradshaw Road												
US 441 to Johns Rd	2L	E	15,900	790				8,290	4,669	369	230	NB/EB
					Emerson North Townhomes (fka Emerson North Apartments)	48	3		29.36%		29.12%	
					Emerson Point Apartments	306	17					
					Faircloth Lakes	21	1					
					Johns Road Commerce Center	131	18					
					Lake Gem Commerce Center	182	3					
					Lakeside (aka Lake Marshall)	1,858	114					
					Magnolia Commerce Center	70	14					
					Oakmont Industrial Facility	70	7					
					Old Dixie Highway Townhomes	255	14					
					Applicant Inventory Total	2,941	191					

City of Apopka CMS
2020 Daily and PM Peak Hour/Peak Direction (PH/PD) Encumbered Traffic Allocation Worksheets

Base Traffic Volume: 2020 **FINAL REPORT** **Revision Date: 4/1/2021**

Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Johns Rd to Ocoee-Apopka Rd	2L	E	15,900	790				8,290	5,664	369	284	NB/EB
					Emerson North Townhomes (fka Emerson North Apartments)	48	3		35.62%		35.95%	
					Emerson Point Apartments	306	17					
					Faircloth Lakes	21	1					
					Johns Road Commerce Center	179	25					
					Lake Gem Commerce Center	55	7					
					Lakeside (aka Lake Marshall)	1,000	61					
					Magnolia Commerce Center	12	2					
					Oakmont Industrial Facility	70	7					
					Old Dixie Highway Townhomes	255	14					
					Applicant Inventory Total	1,946	137					
Harmon Road												
Ocoee-Apopka Rd to Binion Rd	2L	D	15,900	790				2,771	10,874	139	539	SB/WB
					Alta East Shore	1,586	71		68.39%		68.22%	
					Binion Reserve	42	3					
					Greystone Skilled Nursing Facility	35	1					
					Residences at Emerson Park	74	2					
					Vistas at Waters Edge	518	35					
					Applicant Inventory Total	2,255	112					
Keene Road												
Ocoee-Apopka Rd to Marden Rd	2L	E	15,900	790				5,402	8,893	301	410	NB/EB
					Carter Island Industrial	69	2		55.93%		51.88%	
					Emerson North Townhomes (fka Emerson North Apartments)	36	2					
					Emerson Point Apartments	51	3					
					Greystone Skilled Nursing Facility	148	5					
					Marden Ridge Apartments	702	42					
					Oakmont Industrial Facility	47	5					
					Oak Point PD	449	17					
					Residences at Emerson Park	103	3					
					Applicant Inventory Total	1,605	79					
Marden Rd to Clarcona Rd (CR 435)	2L	E	15,900	790				5,681	9,019	299	420	NB/EB
					Emerson North Townhomes (fka Emerson North Apartments)	96	6		56.72%		53.16%	
					Emerson Point Apartments	357	20					
					Marden Ridge Apartments	351	21					
					Oakmont Industrial Facility	47	5					
					Residences at Emerson Park	251	13					
					Silver Oaks	98	6					
					Applicant Inventory Total	1,200	71					
Marden Road												
Ocoee Apopka Rd to Maden Meadows Dr	2L	E	14,000	720				4,991	5,474	218	327	NB/EB
					Carter Land Industrial	17	1		39.10%		45.36%	
					Central Florida Prep School	893	26					
					Emerson North Townhomes (fka Emerson North Apartments)	132	8					
					Emerson Point Apartments	1,292	72					
					Greystone Skilled Nursing Facility	0	0					
					Marden Ridge Apartments	1,053	63					
					Residences at Emerson Park	148	5					
					Applicant Inventory Total	3,535	175					
Maden Meadows Dr to Keene Rd	2L	E	14,000	720				4,991	6,204	218	354	NB/EB
					Carter Land Industrial	17	1		44.31%		49.11%	
					Central Florida Prep School	595	23					
					Emerson North Townhomes (fka Emerson North Apartments)	132	8					
					Emerson Point Apartments	1,292	72					
					Greystone Skilled Nursing Facility	67	2					
					Marden Ridge Apartments	702	42					
					Applicant Inventory Total	2,805	148					

1 Base Volume from Existing Traffic Volume Tables, Available Capacity is Adopted Capacity minus (Base Volume plus Encumbered Traffic), and percentage shown represents amount of Available Capacity remaining.
2 Allowable 15% Degradation Thresholds Capacity, see attached Transportation Consulting Group's 12/29/92 letter.

Luke Transportation Engineering Consultants, Inc., 2021

Encumbered

City of Apopka

Luke Transportation Engineering Consultants

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Appendix J – Projected 2027 Synchro Worksheets

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HCM 6th TWSC
1: Ocoee Apopka Rd & Bradshaw Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	49.1

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	24	319	283	552	668	23
Future Vol, veh/h	24	319	283	552	668	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	336	298	581	703	24

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	1892	715	727	0	-	0
Stage 1	715	-	-	-	-	-
Stage 2	1177	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	77	431	876	-	-	-
Stage 1	485	-	-	-	-	-
Stage 2	293	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	38	431	876	-	-	-
Mov Cap-2 Maneuver	38	-	-	-	-	-
Stage 1	242	-	-	-	-	-
Stage 2	293	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	258.4	3.8	0
HCM LOS	F		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	876	-	250	-	-
HCM Lane V/C Ratio	0.34	-	1.444	-	-
HCM Control Delay (s)	11.2	0	258.4	-	-
HCM Lane LOS	B	A	F	-	-
HCM 95th %tile Q(veh)	1.5	-	20.5	-	-

Centerline Capital - Bronson apopka 7:00 am 12/07/2020 AM Peak Hour
JTR

Synchro 10 Report
Page 1

HCM 6th TWSC
2: Marder Rd & Ocoee Apopka Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	147.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	621	148	75	783	167	193
Future Vol, veh/h	621	148	75	783	167	193
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	654	156	79	824	176	203

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	810	0	1714	732
Stage 1	-	-	-	-	732	-
Stage 2	-	-	-	-	982	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	816	-	~ 99	421
Stage 1	-	-	-	-	476	-
Stage 2	-	-	-	-	363	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	816	-	~ 81	421
Mov Cap-2 Maneuver	-	-	-	-	~ 81	-
Stage 1	-	-	-	-	476	-
Stage 2	-	-	-	-	298	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	$ 811.1
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	143	-	-	816	-
HCM Lane V/C Ratio	2.65	-	-	0.097	-
HCM Control Delay (s)	$ 811.1	-	-	9.9	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	33.7	-	-	0.3	-

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th TWSC
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd

2027 AM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	1636.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	306	477	2	12	670	310	3	4	15	506	3	298
Future Vol, veh/h	306	477	2	12	670	310	3	4	15	506	3	298
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	575	-	-	445	-	0	-	-	-	240	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	17	17	17	2	2	2
Mvmt Flow	322	502	2	13	705	326	3	4	16	533	3	314

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1031	0	0	504	0	0	2200	2204	503	1888	1879	705
Stage 1	-	-	-	-	-	-	1147	1147	-	731	731	-
Stage 2	-	-	-	-	-	-	1053	1057	-	1157	1148	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.27	6.67	6.37	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.67	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.67	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.653	4.153	3.453	3.518	4.018	3.318
Pot Cap-1 Maneuver	674	-	-	1061	-	-	29	40	540	~ 54	71	436
Stage 1	-	-	-	-	-	-	226	257	-	~ 413	427	-
Stage 2	-	-	-	-	-	-	256	284	-	~ 239	273	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	674	-	-	1061	-	-	5	21	540	~ 28	37	436
Mov Cap-2 Maneuver	-	-	-	-	-	-	5	21	-	~ 28	37	-
Stage 1	-	-	-	-	-	-	118	134	-	~ 216	422	-
Stage 2	-	-	-	-	-	-	70	281	-	~ 117	143	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.9	0.1	$ 335.4	$ 5268.5
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	27	674	-	-	1061	-	-	28	394
HCM Lane V/C Ratio	0.858	0.478	-	-	0.012	-	-	-19.023	0.804
HCM Control Delay (s)	$ 335.4	15.1	-	-	8.4	-	-	$ 8377.2	42.5
HCM Lane LOS	F	C	-	-	A	-	-	F	E
HCM 95th %tile Q(veh)	2.7	2.6	-	-	0	-	-	66.1	7.1

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Timings
4: Ocoee Apopka Rd & Harmon Rd Ext/Harmon Rd

2027 AM Peak Hour
04/29/2021

Lane Group	SEL	SET	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations								
Traffic Volume (vph)	76	51	55	68	86	737	164	834
Future Volume (vph)	76	51	55	68	86	737	164	834
Turn Type	Perm	NA	Perm	NA	Perm	NA	Perm	NA
Protected Phases		4		8		6		2
Permitted Phases	4		8		6		2	
Detector Phase	4	4	8	8	6	6	2	2
Switch Phase								
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Total Split (s)	26.0	26.0	26.0	26.0	64.0	64.0	64.0	64.0
Total Split (%)	28.9%	28.9%	28.9%	28.9%	71.1%	71.1%	71.1%	71.1%
Yellow Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag								
Lead-Lag Optimize?								
Recall Mode	None	None	None	None	Max	Max	Max	Max
Act Effct Green (s)	14.5	14.5	14.5	14.5	58.2	58.2	58.2	58.2
Actuated g/C Ratio	0.17	0.17	0.17	0.17	0.69	0.69	0.69	0.69
v/c Ratio	0.91	0.30	0.26	0.71	0.25	0.65	0.52	0.38
Control Delay	111.3	20.6	32.7	25.0	8.4	11.7	14.9	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	111.3	20.6	32.7	25.0	8.4	11.7	14.9	6.7
LOS	F	C	C	C	A	B	B	A
Approach Delay		61.1		26.3		11.3		8.0
Approach LOS		E		C		B		A

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 84.8	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.91	
Intersection Signal Delay: 15.5	Intersection LOS: B
Intersection Capacity Utilization 90.9%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 4: Ocoee Apopka Rd & Harmon Rd Ext/Harmon Rd



Queues
4: Ocoee Apopka Rd & Harmon Rd Ext/Harmon Rd

2027 AM Peak Hour
04/29/2021

Lane Group	SEL	SET	NWL	NWT	NEL	NET	SWL	SWT
Lane Group Flow (vph)	80	99	58	296	91	813	173	920
v/c Ratio	0.91	0.30	0.26	0.71	0.25	0.65	0.52	0.38
Control Delay	111.3	20.6	32.7	25.0	8.4	11.7	14.9	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	111.3	20.6	32.7	25.0	8.4	11.7	14.9	6.7
Queue Length 50th (ft)	42	26	27	66	17	221	41	97
Queue Length 95th (ft)	#118	68	60	152	46	399	118	153
Internal Link Dist (ft)		830		538		3851		572
Turn Bay Length (ft)	215				250			
Base Capacity (vph)	121	444	305	512	363	1248	333	2416
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.66	0.22	0.19	0.58	0.25	0.65	0.52	0.38

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
4: Ocoee Apopka Rd & Harmon Rd Ext/Harmon Rd

2027 AM Peak Hour
04/29/2021

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	76	51	43	55	68	213	86	737	35	164	834	40
Future Volume (veh/h)	76	51	43	55	68	213	86	737	35	164	834	40
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1841	1841	1870	1870	1870	1870
Adj Flow Rate, veh/h	80	54	45	58	72	224	91	776	37	173	878	42
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	2	2	2	2
Cap, veh/h	136	210	175	307	89	277	393	1123	54	321	2225	106
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.64	0.64	0.64	0.64	0.64	0.64
Sat Flow, veh/h	1083	943	786	1296	400	1246	598	1743	83	671	3452	165
Grp Volume(v), veh/h	80	0	99	58	0	296	91	0	813	173	452	468
Grp Sat Flow(s),veh/h/ln	1083	0	1729	1296	0	1646	598	0	1826	671	1777	1841
Q Serve(g_s), s	4.7	0.0	4.3	3.5	0.0	15.3	7.7	0.0	25.7	20.0	10.9	10.9
Cycle Q Clear(g_c), s	20.0	0.0	4.3	7.7	0.0	15.3	18.6	0.0	25.7	45.7	10.9	10.9
Prop In Lane	1.00		0.45	1.00		0.76	1.00		0.05	1.00		0.09
Lane Grp Cap(c), veh/h	136	0	384	307	0	366	393	0	1177	321	1145	1186
V/C Ratio(X)	0.59	0.00	0.26	0.19	0.00	0.81	0.23	0.00	0.69	0.54	0.39	0.39
Avail Cap(c_a), veh/h	136	0	384	307	0	366	393	0	1177	321	1145	1186
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.4	0.0	28.9	32.1	0.0	33.2	12.1	0.0	10.3	24.9	7.6	7.6
Incr Delay (d2), s/veh	6.5	0.0	0.4	0.3	0.0	12.7	1.4	0.0	3.3	6.4	1.0	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	1.7	1.1	0.0	7.3	1.1	0.0	8.9	3.5	3.6	3.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.8	0.0	29.2	32.4	0.0	45.9	13.4	0.0	13.6	31.3	8.6	8.6
LnGrp LOS	D	A	C	C	A	D	B	A	B	C	A	A
Approach Vol, veh/h		179			354			904			1093	
Approach Delay, s/veh		38.4			43.7			13.6			12.2	
Approach LOS		D			D			B			B	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	64.0	26.0	64.0	26.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	58.0	20.0	58.0	20.0
Max Q Clear Time (g_c+I1), s	47.7	22.0	27.7	17.3
Green Ext Time (p_c), s	4.8	0.0	7.3	0.5

Intersection Summary	
HCM 6th Ctrl Delay	19.0
HCM 6th LOS	B

HCM 6th TWSC
5: Ocoee Apopka Rd & Keene Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	279.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	205	178	699	210	119	691
Future Vol, veh/h	205	178	699	210	119	691
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	6	6	4	4	2	2
Mvmt Flow	216	187	736	221	125	727

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1824	847	0	0	957	0
Stage 1	847	-	-	-	-	-
Stage 2	977	-	-	-	-	-
Critical Hdwy	6.46	6.26	-	-	4.12	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.354	-	-	2.218	-
Pot Cap-1 Maneuver	~ 83	356	-	-	719	-
Stage 1	414	-	-	-	-	-
Stage 2	359	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 59	356	-	-	719	-
Mov Cap-2 Maneuver	~ 59	-	-	-	-	-
Stage 1	414	-	-	-	-	-
Stage 2	254	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, $	1529.9	0	1.6
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	96	719	-
HCM Lane V/C Ratio	-	-	4.2	0.174	-
HCM Control Delay (s)	-	-	$ 1529.9	11.1	0
HCM Lane LOS	-	-	F	B	A
HCM 95th %tile Q(veh)	-	-	42	0.6	-

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th TWSC
6: Binion Rd & Verde View Dr/Harmon Rd

2027 AM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	30.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	66	21	45	98	6	104	13	369	18	68	582	22
Future Vol, veh/h	66	21	45	98	6	104	13	369	18	68	582	22
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	415	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	69	22	47	103	6	109	14	388	19	72	613	23

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1252	1204	625	1229	1206	398	636	0	0	407	0	0
Stage 1	769	769	-	426	426	-	-	-	-	-	-	-
Stage 2	483	435	-	803	780	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	149	184	485	155	184	652	947	-	-	1152	-	-
Stage 1	394	411	-	606	586	-	-	-	-	-	-	-
Stage 2	565	580	-	377	406	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	110	164	485	115	164	652	947	-	-	1152	-	-
Mov Cap-2 Maneuver	110	164	-	115	164	-	-	-	-	-	-	-
Stage 1	388	371	-	597	577	-	-	-	-	-	-	-
Stage 2	458	571	-	289	367	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	94.7	145	0.3	0.8
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	947	-	-	161	198	1152	-	-
HCM Lane V/C Ratio	0.014	-	-	0.863	1.106	0.062	-	-
HCM Control Delay (s)	8.9	-	-	94.7	145	8.3	0	-
HCM Lane LOS	A	-	-	F	F	A	A	-
HCM 95th %tile Q(veh)	0	-	-	6	10.5	0.2	-	-

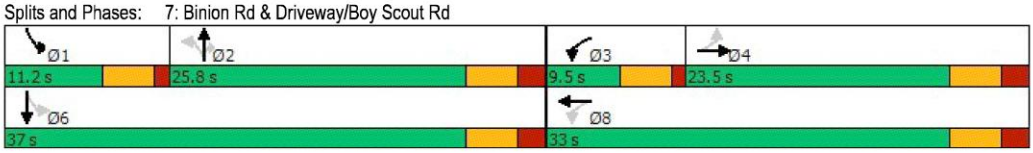
Timings
7: Binion Rd & Driveway/Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	1	4	153	4	3	279	138	287	434
Future Volume (vph)	1	4	153	4	3	279	138	287	434
Turn Type	Perm	NA	pm+pt	NA	Perm	NA	Perm	pm+pt	NA
Protected Phases		4	3	8		2		1	6
Permitted Phases	4		8		2		2	6	
Detector Phase	4	4	3	8	2	2	2	1	6
Switch Phase									
Minimum Initial (s)	5.0	5.0	5.0	5.0	10.0	10.0	10.0	5.0	10.0
Minimum Split (s)	23.5	23.5	9.5	23.5	23.5	23.5	23.5	9.5	23.5
Total Split (s)	23.5	23.5	9.5	33.0	25.8	25.8	25.8	11.2	37.0
Total Split (%)	33.6%	33.6%	13.6%	47.1%	36.9%	36.9%	36.9%	16.0%	52.9%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	2.0	2.0	1.0	2.0	2.0	2.0	2.0	1.0	2.0
Lost Time Adjust (s)		0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)		5.5	4.5	5.5		5.5	5.5	4.5	5.5
Lead/Lag	Lag	Lag	Lead		Lag	Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes	Yes	Yes	
Recall Mode	None	None	None	None	Min	Min	Min	None	Min
Act Effct Green (s)		5.9	8.7	7.7		12.8	12.8	25.4	24.3
Actuated g/C Ratio		0.14	0.20	0.18		0.30	0.30	0.59	0.56
v/c Ratio		0.05	0.50	0.53		0.54	0.24	0.51	0.44
Control Delay		16.3	21.5	7.4		17.4	3.0	8.8	7.7
Queue Delay		0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Delay		16.3	21.5	7.4		17.4	3.0	8.8	7.7
LOS		B	C	A		B	A	A	A
Approach Delay		16.3		12.8		12.7			8.2
Approach LOS		B		B		B			A

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 43.3	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.54	
Intersection Signal Delay: 10.6	Intersection LOS: B
Intersection Capacity Utilization 66.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 7: Binion Rd & Driveway/Boy Scout Rd



Queues
7: Binion Rd & Driveway/Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Lane Group	EBT	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	11	161	259	297	145	302	458
v/c Ratio	0.05	0.50	0.53	0.54	0.24	0.51	0.44
Control Delay	16.3	21.5	7.4	17.4	3.0	8.8	7.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	16.3	21.5	7.4	17.4	3.0	8.8	7.7
Queue Length 50th (ft)	1	33	1	54	0	24	45
Queue Length 95th (ft)	14	85	46	141	22	91	151
Internal Link Dist (ft)	254		1012	370			2640
Turn Bay Length (ft)							
Base Capacity (vph)	733	323	1123	891	854	587	1391
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.02	0.50	0.23	0.33	0.17	0.51	0.33

Intersection Summary

HCM 6th Signalized Intersection Summary
7: Binion Rd & Driveway/Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	4	6	153	4	242	3	279	138	287	434	1
Future Volume (veh/h)	1	4	6	153	4	242	3	279	138	287	434	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	1	4	6	161	4	255	3	294	145	302	457	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	91	71	94	561	7	473	79	415	353	481	862	2
Arrive On Green	0.10	0.10	0.10	0.10	0.30	0.30	0.22	0.22	0.22	0.14	0.46	0.46
Sat Flow, veh/h	68	687	906	1781	25	1564	5	1860	1585	1781	1866	4
Grp Volume(v), veh/h	11	0	0	161	0	259	297	0	145	302	0	458
Grp Sat Flow(s),veh/h/ln	1661	0	0	1781	0	1589	1865	0	1585	1781	0	1870
Q Serve(g_s), s	0.0	0.0	0.0	3.5	0.0	6.4	0.0	0.0	3.7	5.6	0.0	8.2
Cycle Q Clear(g_c), s	0.3	0.0	0.0	3.5	0.0	6.4	6.9	0.0	3.7	5.6	0.0	8.2
Prop In Lane	0.09		0.55	1.00		0.98	0.01		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	256	0	0	561	0	481	494	0	353	481	0	864
V/C Ratio(X)	0.04	0.00	0.00	0.29	0.00	0.54	0.60	0.00	0.41	0.63	0.00	0.53
Avail Cap(c_a), veh/h	710	0	0	568	0	934	884	0	688	481	0	1258
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	18.9	0.0	0.0	14.5	0.0	13.6	16.8	0.0	15.6	11.1	0.0	9.0
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.3	0.0	0.9	1.2	0.0	0.8	2.6	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	1.1	0.0	1.8	2.5	0.0	1.1	1.8	0.0	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	19.0	0.0	0.0	14.8	0.0	14.5	18.0	0.0	16.3	13.6	0.0	9.5
LnGrp LOS	B	A	A	B	A	B	B	A	B	B	A	A
Approach Vol, veh/h		11			420			442			760	
Approach Delay, s/veh		19.0			14.6			17.4			11.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4		6		8				
Phs Duration (G+Y+Rc), s	11.2	15.9	9.3	10.4		27.1		19.7				
Change Period (Y+Rc), s	4.5	5.5	4.5	5.5		5.5		5.5				
Max Green Setting (Gmax), s	6.7	20.3	5.0	18.0		31.5		27.5				
Max Q Clear Time (g_c+I1), s	7.6	8.9	5.5	2.3		10.2		8.4				
Green Ext Time (p_c), s	0.0	1.6	0.0	0.0		2.5		1.4				

Intersection Summary	
HCM 6th Ctrl Delay	13.8
HCM 6th LOS	B

Timings
8: Orange Ave/Driveway & US 441

2027 AM Peak Hour
04/29/2021

Lane Group	EBT	EBR	WBL	WBT	NBT	Ø8
Lane Configurations						
Traffic Volume (vph)	1670	334	148	1343	0	
Future Volume (vph)	1670	334	148	1343	0	
Turn Type	NA	Perm	pm+pt	NA	NA	
Protected Phases	6		5	2	4	8
Permitted Phases		6	2			
Detector Phase	6	6	5	2	4	
Switch Phase						
Minimum Initial (s)	10.0	10.0	5.0	10.0	10.0	5.0
Minimum Split (s)	22.5	22.5	22.5	24.7	24.3	22.5
Total Split (s)	75.4	75.4	22.5	97.9	24.6	22.5
Total Split (%)	52.0%	52.0%	15.5%	67.5%	17.0%	16%
Yellow Time (s)	4.7	4.7	4.3	4.7	4.3	4.3
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.7	6.7	6.3	6.7	6.3	
Lead/Lag	Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes	Yes			
Recall Mode	Max	Max	None	Max	None	None
Act Effct Green (s)	73.5	73.5	91.6	91.2	18.3	
Actuated g/C Ratio	0.60	0.60	0.75	0.74	0.15	
v/c Ratio	0.83	0.32	0.69	0.54	0.95	
Control Delay	24.5	2.1	41.6	7.6	69.8	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	24.5	2.1	41.6	7.6	69.8	
LOS	C	A	D	A	E	
Approach Delay	20.8			10.9	69.8	
Approach LOS	C			B	E	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 122.5	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.95	
Intersection Signal Delay: 21.1	Intersection LOS: C
Intersection Capacity Utilization 89.2%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 8: Orange Ave/Driveway & US 441



Queues
8: Orange Ave/Driveway & US 441

2027 AM Peak Hour
04/29/2021

Lane Group	EBT	EBR	WBL	WBT	NBT
Lane Group Flow (vph)	1758	352	156	1415	344
v/c Ratio	0.83	0.32	0.69	0.54	0.95
Control Delay	24.5	2.1	41.6	7.6	69.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	24.5	2.1	41.6	7.6	69.8
Queue Length 50th (ft)	547	0	68	217	182
Queue Length 95th (ft)	732	41	137	263	#369
Internal Link Dist (ft)	897			744	658
Turn Bay Length (ft)		510	300		
Base Capacity (vph)	2123	1090	291	2634	362
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.83	0.32	0.54	0.54	0.95

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
8: Orange Ave/Driveway & US 441

2027 AM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1670	334	148	1343	1	224	0	103	0	0	0
Future Volume (veh/h)	0	1670	334	148	1343	1	224	0	103	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	1758	352	156	1414	1	236	0	108	0	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	59	2299	1025	199	2713	2	176	0	80	0	2	0
Arrive On Green	0.00	0.65	0.65	0.05	0.74	0.74	0.15	0.00	0.15	0.00	0.00	0.00
Sat Flow, veh/h	380	3554	1585	1781	3644	3	1176	0	538	0	1870	0
Grp Volume(v), veh/h	0	1758	352	156	689	726	344	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	380	1777	1585	1781	1777	1870	1715	0	0	0	1870	0
Q Serve(g_s), s	0.0	42.3	12.3	3.4	19.8	19.8	18.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	42.3	12.3	3.4	19.8	19.8	18.3	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.69		0.31	0.00		0.00
Lane Grp Cap(c), veh/h	59	2299	1025	199	1323	1392	256	0	0	0	2	0
V/C Ratio(X)	0.00	0.76	0.34	0.78	0.52	0.52	1.34	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	59	2299	1025	353	1323	1392	256	0	0	0	247	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	15.1	9.8	25.7	6.5	6.5	52.1	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.5	0.9	6.6	1.5	1.4	178.2	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	15.5	4.1	3.3	6.3	6.6	20.3	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	17.6	10.7	32.3	8.0	7.9	230.3	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	B	B	C	A	A	F	A	A	A	A	A
Approach Vol, veh/h		2110			1571			344			0	
Approach Delay, s/veh		16.5			10.4			230.3			0.0	
Approach LOS		B			B			F				

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		97.9		24.6	12.0	85.9		0.0				
Change Period (Y+Rc), s		6.7		6.3	6.3	6.7		6.3				
Max Green Setting (Gmax), s		91.2		18.3	16.2	68.7		16.2				
Max Q Clear Time (g_c+I1), s		21.8		20.3	5.4	44.3		0.0				
Green Ext Time (p_c), s		12.8		0.0	0.3	15.9		0.0				

Intersection Summary		
HCM 6th Ctrl Delay	32.4	
HCM 6th LOS	C	

HCM 6th TWSC
9: Boy Scout Rd & Parcel 3-A/Galway Blvd

2027 AM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	3.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	3	6	101	6	71	45	533	11	38	544	36
Future Vol, veh/h	10	3	6	101	6	71	45	533	11	38	544	36
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	150	-	-	150	-	-
Veh in Median Storage, #	-	1	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	3	3	2
Mvmt Flow	11	3	6	106	6	75	47	561	12	40	573	38

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1374	1339	592	1338	1352	567	611	0	0	573	0	0
Stage 1	672	672	-	661	661	-	-	-	-	-	-	-
Stage 2	702	667	-	677	691	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.13	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.227	-	-
Pot Cap-1 Maneuver	123	153	506	130	150	523	968	-	-	995	-	-
Stage 1	445	454	-	452	460	-	-	-	-	-	-	-
Stage 2	429	457	-	443	446	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	97	140	506	119	137	523	968	-	-	995	-	-
Mov Cap-2 Maneuver	204	253	-	235	248	-	-	-	-	-	-	-
Stage 1	423	436	-	430	437	-	-	-	-	-	-	-
Stage 2	345	435	-	417	428	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	19.4	24.4	0.7	0.5
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	968	-	-	204	379	235	481	995	-	-
HCM Lane V/C Ratio	0.049	-	-	0.052	0.025	0.452	0.169	0.04	-	-
HCM Control Delay (s)	8.9	-	-	23.6	14.7	32.4	14	8.8	-	-
HCM Lane LOS	A	-	-	C	B	D	B	A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	0.2	0.1	2.2	0.6	0.1	-	-

Timings
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 AM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Configurations									
Traffic Volume (vph)	144	4	2	7	227	629	12	745	199
Future Volume (vph)	144	4	2	7	227	629	12	745	199
Turn Type	Perm	NA	Perm	NA	pm+pt	NA	Perm	NA	Perm
Protected Phases		4		8	5	2		6	
Permitted Phases	4		8		2		6		6
Detector Phase	4	4	8	8	5	2	6	6	6
Switch Phase									
Minimum Initial (s)	10.0	10.0	10.0	10.0	5.0	5.0	10.0	10.0	10.0
Minimum Split (s)	24.0	24.0	24.0	24.0	9.5	24.0	24.0	24.0	24.0
Total Split (s)	24.0	24.0	24.0	24.0	12.0	56.0	44.0	44.0	44.0
Total Split (%)	30.0%	30.0%	30.0%	30.0%	15.0%	70.0%	55.0%	55.0%	55.0%
Yellow Time (s)	4.0	4.0	4.0	4.0	3.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0		6.0	4.5	6.0	6.0	6.0	6.0
Lead/Lag					Lead		Lag	Lag	Lag
Lead-Lag Optimize?					Yes		Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	Min	Min
Act Effct Green (s)	13.5	13.5		13.5	47.7	46.1	34.0	34.0	34.0
Actuated g/C Ratio	0.19	0.19		0.19	0.66	0.64	0.47	0.47	0.47
v/c Ratio	0.58	0.31		0.05	0.81	0.55	0.04	0.89	0.24
Control Delay	37.3	8.4		20.3	36.0	9.7	11.2	32.0	2.7
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.3	8.4		20.3	36.0	9.7	11.2	32.0	2.7
LOS	D	A		C	D	A	B	C	A
Approach Delay		24.6		20.3		16.6		25.6	
Approach LOS		C		C		B		C	

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 71.8	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 21.8	Intersection LOS: C
Intersection Capacity Utilization 80.2%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 10: Ocoee Apopka Rd & Internal Rd/Driveway



Queues
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 AM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	152	120	15	239	664	13	784	209
v/c Ratio	0.58	0.31	0.05	0.81	0.55	0.04	0.89	0.24
Control Delay	37.3	8.4	20.3	36.0	9.7	11.2	32.0	2.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.3	8.4	20.3	36.0	9.7	11.2	32.0	2.7
Queue Length 50th (ft)	66	2	4	50	139	3	295	0
Queue Length 95th (ft)	124	42	18	#188	263	13	#572	33
Internal Link Dist (ft)		726	418		1709		513	
Turn Bay Length (ft)	300			250		520		300
Base Capacity (vph)	354	491	435	296	1315	412	999	946
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.24	0.03	0.81	0.50	0.03	0.78	0.22

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 AM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	144	4	110	2	7	6	227	629	2	12	745	199
Future Volume (veh/h)	144	4	110	2	7	6	227	629	2	12	745	199
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	152	4	116	2	7	6	239	662	2	13	784	209
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	342	8	245	77	152	109	344	1208	4	466	903	765
Arrive On Green	0.16	0.16	0.16	0.16	0.16	0.16	0.09	0.65	0.65	0.48	0.48	0.48
Sat Flow, veh/h	1401	53	1540	73	954	685	1781	1864	6	772	1870	1585
Grp Volume(v), veh/h	152	0	120	15	0	0	239	0	664	13	784	209
Grp Sat Flow(s),veh/h/ln	1401	0	1593	1712	0	0	1781	0	1869	772	1870	1585
Q Serve(g_s), s	5.8	0.0	4.3	0.0	0.0	0.0	3.8	0.0	12.1	0.6	23.3	4.9
Cycle Q Clear(g_c), s	6.2	0.0	4.3	0.5	0.0	0.0	3.8	0.0	12.1	2.4	23.3	4.9
Prop In Lane	1.00		0.97	0.13		0.40	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	342	0	254	338	0	0	344	0	1211	466	903	765
V/C Ratio(X)	0.45	0.00	0.47	0.04	0.00	0.00	0.70	0.00	0.55	0.03	0.87	0.27
Avail Cap(c_a), veh/h	523	0	460	552	0	0	392	0	1500	564	1141	967
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.6	0.0	23.8	22.2	0.0	0.0	12.9	0.0	6.0	9.4	14.4	9.6
Incr Delay (d2), s/veh	0.9	0.0	1.4	0.1	0.0	0.0	4.5	0.0	0.4	0.0	6.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	0.0	1.6	0.2	0.0	0.0	1.7	0.0	2.7	0.1	8.8	1.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.5	0.0	25.2	22.3	0.0	0.0	17.4	0.0	6.4	9.5	20.4	9.8
LnGrp LOS	C	A	C	C	A	A	B	A	A	A	C	A
Approach Vol, veh/h		272			15			903			1006	
Approach Delay, s/veh		25.4			22.3			9.3			18.1	
Approach LOS		C			C			A			B	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		46.4		15.9	10.3	36.1		15.9				
Change Period (Y+Rc), s		6.0		6.0	4.5	6.0		6.0				
Max Green Setting (Gmax), s		50.0		18.0	7.5	38.0		18.0				
Max Q Clear Time (g_c+I1), s		14.1		8.2	5.8	25.3		2.5				
Green Ext Time (p_c), s		4.6		0.8	0.1	4.8		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			15.4									
HCM 6th LOS			B									

Centerline Capital - Bronson apopka 7:00 am 12/07/2020 AM Peak Hour
JTR

Synchro 10 Report
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HCM 6th TWSC
11: Binion Rd & P7 Ent

2027 AM Peak Hour
04/29/2021

Intersection						
Int Delay, s/veh	0.2					

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	7	2	417	12	3	509
Future Vol, veh/h	7	2	417	12	3	509
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	7	2	439	13	3	536

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	988	446	0	0	452	0
Stage 1	446	-	-	-	-	-
Stage 2	542	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	274	612	-	-	1109	-
Stage 1	645	-	-	-	-	-
Stage 2	583	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	273	612	-	-	1109	-
Mov Cap-2 Maneuver	273	-	-	-	-	-
Stage 1	645	-	-	-	-	-
Stage 2	581	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	16.9	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	311	1109	-
HCM Lane V/C Ratio	-	-	0.03	0.003	-
HCM Control Delay (s)	-	-	16.9	8.3	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

HCM 6th TWSC
12: Binion Rd & Parcel 6

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	8	13	407	12	23	504
Future Vol, veh/h	8	13	407	12	23	504
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	240	290	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	14	428	13	24	531

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1007	428	0	0	441	0
Stage 1	428	-	-	-	-	-
Stage 2	579	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	267	627	-	-	1119	-
Stage 1	657	-	-	-	-	-
Stage 2	560	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	261	627	-	-	1119	-
Mov Cap-2 Maneuver	261	-	-	-	-	-
Stage 1	657	-	-	-	-	-
Stage 2	548	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.1	0	0.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	261	627	1119	-
HCM Lane V/C Ratio	-	-	0.032	0.022	0.022	-
HCM Control Delay (s)	-	-	19.3	10.9	8.3	-
HCM Lane LOS	-	-	C	B	A	-
HCM 95th %tile Q(veh)	-	-	0.1	0.1	0.1	-

HCM 6th TWSC
13: Ocoee Apopka Rd & Parcel 1

2027 AM Peak Hour
04/29/2021

Intersection						
Int Delay, s/veh	0.2					

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑	↱		↱
Traffic Vol, veh/h	0	929	970	24	0	22
Future Vol, veh/h	0	929	970	24	0	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	240	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	978	1021	25	0	23

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	1021
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.318
Pot Cap-1 Maneuver	0	-	-	-	0	287
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	287
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	18.6
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	287
HCM Lane V/C Ratio	-	-	-	0.081
HCM Control Delay (s)	-	-	-	18.6
HCM Lane LOS	-	-	-	C
HCM 95th %tile Q(veh)	-	-	-	0.3

HCM 6th TWSC
14: Ocoee Apopka Rd & Parcel 3

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	38	0	779	909	22
Future Vol, veh/h	0	38	0	779	909	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	240
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	40	0	820	957	23

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	-	957	-	0	-	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.22	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.318	-	-	-	-
Pot Cap-1 Maneuver	0	313	0	-	-	-
Stage 1	0	-	0	-	-	-
Stage 2	0	-	0	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	-	313	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	18.2	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	-	313	-	-
HCM Lane V/C Ratio	-	0.128	-	-
HCM Control Delay (s)	-	18.2	-	-
HCM Lane LOS	-	C	-	-
HCM 95th %tile Q(veh)	-	0.4	-	-

HCM 6th TWSC
15: Parcel 3-B/Parcel 1 & Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	2.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	57	663	21	65	414	77	5	4	12	36	4	22
Future Vol, veh/h	57	663	21	65	414	77	5	4	12	36	4	22
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	0	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	60	698	22	68	436	81	5	4	13	38	4	23

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	517	0	0	720	0	0	1455	1482	709	1451	1453	477
Stage 1	-	-	-	-	-	-	829	829	-	613	613	-
Stage 2	-	-	-	-	-	-	626	653	-	838	840	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1049	-	-	882	-	-	108	125	434	109	130	588
Stage 1	-	-	-	-	-	-	365	385	-	480	483	-
Stage 2	-	-	-	-	-	-	472	464	-	361	381	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1049	-	-	882	-	-	92	109	434	94	113	588
Mov Cap-2 Maneuver	-	-	-	-	-	-	201	217	-	189	209	-
Stage 1	-	-	-	-	-	-	344	363	-	453	446	-
Stage 2	-	-	-	-	-	-	415	428	-	327	359	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	1.1	17.7	22.3
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	201	347	1049	-	-	882	-	-	189	460
HCM Lane V/C Ratio	0.026	0.049	0.057	-	-	0.078	-	-	0.201	0.059
HCM Control Delay (s)	23.4	15.9	8.6	-	-	9.4	-	-	28.8	13.3
HCM Lane LOS	C	C	A	-	-	A	-	-	D	B
HCM 95th %tile Q(veh)	0.1	0.2	0.2	-	-	0.3	-	-	0.7	0.2

HCM 6th TWSC
16: Parcel 4-C/Parcel 2-B & Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↱			↱	
Traffic Vol, veh/h	15	465	29	136	339	61	7	0	47	80	1	16
Future Vol, veh/h	15	465	29	136	339	61	7	0	47	80	1	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	0	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	489	31	143	357	64	7	0	49	84	1	17

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	421	0	0	520	0	0	1221	1244	505	1236	1227	389
Stage 1	-	-	-	-	-	-	537	537	-	675	675	-
Stage 2	-	-	-	-	-	-	684	707	-	561	552	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1138	-	-	1046	-	-	157	174	567	153	178	659
Stage 1	-	-	-	-	-	-	528	523	-	444	453	-
Stage 2	-	-	-	-	-	-	439	438	-	512	515	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1138	-	-	1046	-	-	129	140	567	119	143	659
Mov Cap-2 Maneuver	-	-	-	-	-	-	240	248	-	219	232	-
Stage 1	-	-	-	-	-	-	517	513	-	435	371	-
Stage 2	-	-	-	-	-	-	350	359	-	458	505	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	2.3	13.1	27.9
HCM LOS			B	D

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	240	567	1138	-	-	1046	-	-	219	595
HCM Lane V/C Ratio	0.031	0.087	0.014	-	-	0.137	-	-	0.385	0.03
HCM Control Delay (s)	20.5	12	8.2	0	-	9	0	-	31.4	11.2
HCM Lane LOS	C	B	A	A	-	A	A	-	D	B
HCM 95th %tile Q(veh)	0.1	0.3	0	-	-	0.5	-	-	1.7	0.1

HCM 6th TWSC
17: Parcel 4-B/Parcel 2-A & Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	7.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	22	304	46	103	225	41	9	1	42	113	2	20
Future Vol, veh/h	22	304	46	103	225	41	9	1	42	113	2	20
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	23	320	48	108	237	43	9	1	44	119	2	21

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	280	0	0	368	0	0	876	886	344	888	889	259
Stage 1	-	-	-	-	-	-	390	390	-	475	475	-
Stage 2	-	-	-	-	-	-	486	496	-	413	414	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1283	-	-	1191	-	-	269	284	699	264	282	780
Stage 1	-	-	-	-	-	-	634	608	-	570	557	-
Stage 2	-	-	-	-	-	-	563	545	-	616	593	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1283	-	-	1191	-	-	235	247	699	222	246	780
Mov Cap-2 Maneuver	-	-	-	-	-	-	235	247	-	222	246	-
Stage 1	-	-	-	-	-	-	619	594	-	557	497	-
Stage 2	-	-	-	-	-	-	487	486	-	563	579	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	2.3	12.9	37.1
HCM LOS			B	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	508	1283	-	-	1191	-	-	249
HCM Lane V/C Ratio	0.108	0.018	-	-	0.091	-	-	0.571
HCM Control Delay (s)	12.9	7.9	0	-	8.3	0	-	37.1
HCM Lane LOS	B	A	A	-	A	A	-	E
HCM 95th %tile Q(veh)	0.4	0.1	-	-	0.3	-	-	3.2

HCM 6th TWSC
18: Parcel 4-A & Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	1.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	336	21	51	200	11	36
Future Vol, veh/h	336	21	51	200	11	36
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	354	22	54	211	12	38

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	376	0	684	365
Stage 1	-	-	-	-	365	-
Stage 2	-	-	-	-	319	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1182	-	414	680
Stage 1	-	-	-	-	702	-
Stage 2	-	-	-	-	737	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1182	-	392	680
Mov Cap-2 Maneuver	-	-	-	-	392	-
Stage 1	-	-	-	-	702	-
Stage 2	-	-	-	-	699	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.7	11.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	580	-	-	1182	-
HCM Lane V/C Ratio	0.085	-	-	0.045	-
HCM Control Delay (s)	11.8	-	-	8.2	0
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	-	-	0.1	-

HCM 6th TWSC
19: Parcel 6/External Drive & Boy Scout Rd

2027 AM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	4.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	217	187	23	163	25	129	3	95	45	2	0
Future Vol, veh/h	0	217	187	23	163	25	129	3	95	45	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	228	197	24	172	26	136	3	100	47	2	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	198	0	0	425	0	0	462	474	228	611	658	185
Stage 1	-	-	-	-	-	-	228	228	-	233	233	-
Stage 2	-	-	-	-	-	-	234	246	-	378	425	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1375	-	-	1134	-	-	510	489	811	406	384	857
Stage 1	-	-	-	-	-	-	775	715	-	770	712	-
Stage 2	-	-	-	-	-	-	769	703	-	644	586	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1375	-	-	1134	-	-	498	477	811	348	375	857
Mov Cap-2 Maneuver	-	-	-	-	-	-	498	477	-	348	375	-
Stage 1	-	-	-	-	-	-	775	715	-	770	695	-
Stage 2	-	-	-	-	-	-	748	686	-	562	586	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.9	12.9	17
HCM LOS			B	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	498	794	1375	-	-	1134	-	-	349
HCM Lane V/C Ratio	0.273	0.13	-	-	-	0.021	-	-	0.142
HCM Control Delay (s)	14.9	10.2	0	-	-	8.2	0	-	17
HCM Lane LOS	B	B	A	-	-	A	A	-	C
HCM 95th %tile Q(veh)	1.1	0.4	0	-	-	0.1	-	-	0.5

HCM 6th TWSC
1: Ocoee Apopka Rd & Bradshaw Rd

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	336.8

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	31	374	357	867	585	25
Future Vol, veh/h	31	374	357	867	585	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	33	394	376	913	616	26

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	2294	629	642	0	-	0
Stage 1	629	-	-	-	-	-
Stage 2	1665	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	43	482	943	-	-	-
Stage 1	531	-	-	-	-	-
Stage 2	169	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	~ 8	482	943	-	-	-
Mov Cap-2 Maneuver	~ 8	-	-	-	-	-
Stage 1	101	-	-	-	-	-
Stage 2	169	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	$ 1852	3.3	0
HCM LOS	F		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	943	-	87	-	-
HCM Lane V/C Ratio	0.399	-	4.9	-	-
HCM Control Delay (s)	11.3	0	$ 1852	-	-
HCM Lane LOS	B	A	F	-	-
HCM 95th %tile Q(veh)	1.9	-	45.9	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Centerline Capital - Bronson apopka 7:00 am 12/07/2020 PM Peak Hour
JTR

Synchro 10 Report
Page 1

HCM 6th TWSC
2: Marder Rd & Ocoee Apopka Rd

2027 PM Peak Hour
04/29/2021

Intersection						
Int Delay, s/veh	1250.7					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1047	233	207	682	195	162
Future Vol, veh/h	1047	233	207	682	195	162
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1102	245	218	718	205	171

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1347	0	2379	1225
Stage 1	-	-	-	-	1225	-
Stage 2	-	-	-	-	1154	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	511	-	~ 38	218
Stage 1	-	-	-	-	278	-
Stage 2	-	-	-	-	300	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	511	-	~ 11	218
Mov Cap-2 Maneuver	-	-	-	-	~ 11	-
Stage 1	-	-	-	-	278	-
Stage 2	-	-	-	-	~ 87	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4	$ 8839.8
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	19	-	-	511	-
HCM Lane V/C Ratio	19.778	-	-	0.426	-
HCM Control Delay (s)	$ 8839.8	-	-	17.2	0
HCM Lane LOS	F	-	-	C	A
HCM 95th %tile Q(veh)	47.6	-	-	2.1	-

Notes
~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

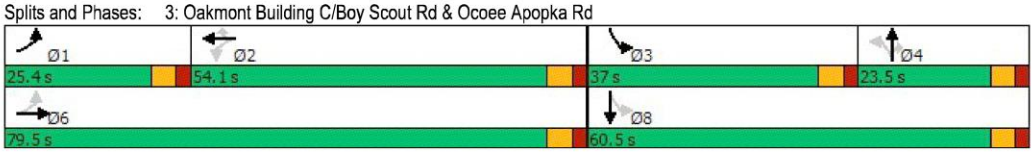
Timings
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Traffic Volume (vph)	298	801	1	581	294	9	11	27	547	9
Future Volume (vph)	298	801	1	581	294	9	11	27	547	9
Turn Type	pm+pt	NA	Perm	NA	Perm	Perm	NA	Perm	pm+pt	NA
Protected Phases	1	6		2			4		3	8
Permitted Phases	6		2		2	4		4	8	
Detector Phase	1	6	2	2	2	4	4	4	3	8
Switch Phase										
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	10.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	10.5	23.5
Total Split (s)	25.4	79.5	54.1	54.1	54.1	23.5	23.5	23.5	37.0	60.5
Total Split (%)	18.1%	56.8%	38.6%	38.6%	38.6%	16.8%	16.8%	16.8%	26.4%	43.2%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	5.5	5.5	5.5	5.5		5.5	5.5	5.5	5.5
Lead/Lag	Lead		Lag	Lag	Lag	Lag	Lag	Lag	Lead	
Lead-Lag Optimize?	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Recall Mode	None	Min	Min	Min	Min	None	None	None	None	None
Act Effct Green (s)	71.3	71.3	45.7	45.7	45.7		7.7	7.7	42.4	42.4
Actuated g/C Ratio	0.57	0.57	0.37	0.37	0.37		0.06	0.06	0.34	0.34
v/c Ratio	0.90	0.79	0.01	0.90	0.43		0.31	0.15	1.12	0.53
Control Delay	63.7	28.6	27.0	55.2	11.7		70.5	1.8	114.3	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Delay	63.7	28.6	27.0	55.2	11.7		70.5	1.8	114.3	6.7
LOS	E	C	C	E	B		E	A	F	A
Approach Delay		38.1		40.6			31.2			68.7
Approach LOS		D		D			C			E

Intersection Summary	
Cycle Length: 140	
Actuated Cycle Length: 124.8	
Natural Cycle: 140	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.12	
Intersection Signal Delay: 48.5	Intersection LOS: D
Intersection Capacity Utilization 101.3%	ICU Level of Service G
Analysis Period (min) 15	

Splits and Phases: 3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd



Queues 2027 PM Peak Hour
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd 04/29/2021

Lane Group	EBL	EBT	WBL	WBT	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	314	844	1	612	309	21	28	576	423
v/c Ratio	0.90	0.79	0.01	0.90	0.43	0.31	0.15	1.12	0.53
Control Delay	63.7	28.6	27.0	55.2	11.7	70.5	1.8	114.3	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	63.7	28.6	27.0	55.2	11.7	70.5	1.8	114.3	6.7
Queue Length 50th (ft)	204	531	1	474	54	17	0	~497	17
Queue Length 95th (ft)	#400	764	5	#717	137	46	0	#718	97
Internal Link Dist (ft)		582		844		326			371
Turn Bay Length (ft)	515		445		240		80	575	
Base Capacity (vph)	348	1114	159	732	750	159	290	514	924
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.90	0.76	0.01	0.84	0.41	0.13	0.10	1.12	0.46

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary — 2027 PM Peak Hour
3: Oakmont Building C/Boy Scout Rd & Ocoee Apopka Rd — 04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	298	801	1	1	581	294	9	11	27	547	9	393
Future Volume (veh/h)	298	801	1	1	581	294	9	11	27	547	9	393
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1648	1648	1648	1870	1870	1870
Adj Flow Rate, veh/h	314	843	1	1	612	309	9	12	28	576	9	414
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	17	17	17	2	2	2
Cap, veh/h	343	1023	1	176	671	568	59	41	60	582	12	558
Arrive On Green	0.14	0.55	0.55	0.36	0.36	0.36	0.04	0.04	0.04	0.27	0.36	0.36
Sat Flow, veh/h	1781	1868	2	652	1870	1585	356	958	1397	1781	34	1556
Grp Volume(v), veh/h	314	0	844	1	612	309	21	0	28	576	0	423
Grp Sat Flow(s),veh/h/ln	1781	0	1870	652	1870	1585	1314	0	1397	1781	0	1590
Q Serve(g_s), s	14.3	0.0	43.6	0.1	36.6	18.2	0.0	0.0	2.3	31.5	0.0	27.3
Cycle Q Clear(g_c), s	14.3	0.0	43.6	21.6	36.6	18.2	1.4	0.0	2.3	31.5	0.0	27.3
Prop In Lane	1.00		0.00	1.00		1.00	0.43		1.00	1.00		0.98
Lane Grp Cap(c), veh/h	343	0	1024	176	671	568	100	0	60	582	0	570
V/C Ratio(X)	0.92	0.00	0.82	0.01	0.91	0.54	0.21	0.00	0.47	0.99	0.00	0.74
Avail Cap(c_a), veh/h	392	0	1181	213	776	657	230	0	215	582	0	746
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.8	0.0	21.8	39.9	35.8	29.9	54.4	0.0	54.8	39.6	0.0	32.9
Incr Delay (d2), s/veh	23.9	0.0	4.3	0.0	13.8	0.8	1.0	0.0	5.7	34.7	0.0	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.0	0.0	18.4	0.0	18.3	6.8	0.6	0.0	0.9	21.1	0.0	10.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	54.7	0.0	26.2	39.9	49.7	30.8	55.4	0.0	60.5	74.3	0.0	35.7
LnGrp LOS	D	A	C	D	D	C	E	A	E	E	A	D
Approach Vol, veh/h		1158			922			49			999	
Approach Delay, s/veh		33.9			43.3			58.3			58.0	
Approach LOS		C			D			E			E	

Timer - Assigned Phs	1	2	3	4		6		8				
Phs Duration (G+Y+Rc), s	22.2	47.5	37.0	10.5		69.7		47.5				
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5		5.5		5.5				
Max Green Setting (Gmax), s	19.9	48.6	31.5	18.0		74.0		55.0				
Max Q Clear Time (g_c+I1), s	16.3	38.6	33.5	4.3		45.6		29.3				
Green Ext Time (p_c), s	0.3	3.5	0.0	0.1		6.4		2.7				

Intersection Summary	
HCM 6th Ctrl Delay	44.7
HCM 6th LOS	D

Centerline Capital - Bronson apopka 7:00 am 12/07/2020 PM Peak Hour
JTR

Synchro 10 Report
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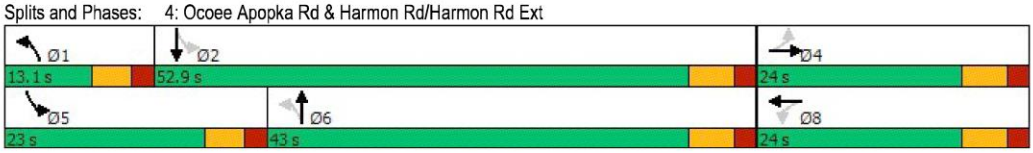
Timings
4: Ocoee Apopka Rd & Harmon Rd/Harmon Rd Ext

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	67	154	45	74	105	1028	294	1005
Future Volume (vph)	67	154	45	74	105	1028	294	1005
Turn Type	Perm	NA	Perm	NA	pm+pt	NA	pm+pt	NA
Protected Phases		4		8	1	6	5	2
Permitted Phases	4		8		6		2	
Detector Phase	4	4	8	8	1	6	5	2
Switch Phase								
Minimum Initial (s)	10.0	10.0	10.0	10.0	5.0	10.0	5.0	10.0
Minimum Split (s)	24.0	24.0	24.0	24.0	10.5	24.0	10.5	24.0
Total Split (s)	24.0	24.0	24.0	24.0	13.1	43.0	23.0	52.9
Total Split (%)	26.7%	26.7%	26.7%	26.7%	14.6%	47.8%	25.6%	58.8%
Yellow Time (s)	4.0	4.0	4.0	4.0	3.5	4.0	3.5	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	5.5	6.0	5.5	6.0
Lead/Lag					Lead	Lag	Lead	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Max	None	Max
Act Effct Green (s)	15.0	15.0	15.0	15.0	45.7	38.3	58.5	48.2
Actuated g/C Ratio	0.18	0.18	0.18	0.18	0.54	0.45	0.69	0.57
v/c Ratio	0.73	0.74	0.37	0.71	0.32	0.74	0.75	0.54
Control Delay	75.4	44.3	40.3	28.0	9.3	24.1	27.0	14.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	75.4	44.3	40.3	28.0	9.3	24.1	27.0	14.1
LOS	E	D	D	C	A	C	C	B
Approach Delay		51.3		29.7		22.8		17.0
Approach LOS		D		C		C		B

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 85.1	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.75	
Intersection Signal Delay: 23.8	Intersection LOS: C
Intersection Capacity Utilization 90.8%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 4: Ocoee Apopka Rd & Harmon Rd/Harmon Rd Ext



Queues
4: Ocoee Apopka Rd & Harmon Rd/Harmon Rd Ext

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	71	247	47	285	111	1154	309	1085
v/c Ratio	0.73	0.74	0.37	0.71	0.32	0.74	0.75	0.54
Control Delay	75.4	44.3	40.3	28.0	9.3	24.1	27.0	14.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	75.4	44.3	40.3	28.0	9.3	24.1	27.0	14.1
Queue Length 50th (ft)	37	116	23	77	18	275	89	200
Queue Length 95th (ft)	#105	198	57	165	37	381	185	273
Internal Link Dist (ft)		810		513		3815		345
Turn Bay Length (ft)	215		200		250		250	
Base Capacity (vph)	117	396	154	458	358	1553	473	1996
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.61	0.62	0.31	0.62	0.31	0.74	0.65	0.54

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary — 2027 PM Peak Hour
4: Ocoee Apopka Rd & Harmon Rd/Harmon Rd Ext — 04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	67	154	81	45	74	197	105	1028	68	294	1005	26
Future Volume (veh/h)	67	154	81	45	74	197	105	1028	68	294	1005	26
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1841	1841	1870	1870	1870	1870
Adj Flow Rate, veh/h	71	162	85	47	78	207	111	1082	72	309	1058	27
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	2	2	2	2
Cap, veh/h	128	239	125	170	94	248	352	1600	106	393	1907	49
Arrive On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.05	0.48	0.48	0.11	0.54	0.54
Sat Flow, veh/h	1094	1155	606	1133	453	1201	1753	3328	221	1781	3541	90
Grp Volume(v), veh/h	71	0	247	47	0	285	111	568	586	309	531	554
Grp Sat Flow(s),veh/h/ln	1094	0	1761	1133	0	1654	1753	1749	1801	1781	1777	1854
Q Serve(g_s), s	3.6	0.0	11.3	3.5	0.0	14.4	2.7	21.8	21.8	7.1	17.1	17.1
Cycle Q Clear(g_c), s	18.0	0.0	11.3	14.7	0.0	14.4	2.7	21.8	21.8	7.1	17.1	17.1
Prop In Lane	1.00		0.34	1.00		0.73	1.00		0.12	1.00		0.05
Lane Grp Cap(c), veh/h	128	0	364	170	0	342	352	841	866	393	957	999
V/C Ratio(X)	0.55	0.00	0.68	0.28	0.00	0.83	0.32	0.68	0.68	0.79	0.55	0.55
Avail Cap(c_a), veh/h	128	0	364	170	0	342	411	841	866	553	957	999
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.4	0.0	31.9	38.7	0.0	33.1	11.1	17.4	17.4	15.2	13.2	13.2
Incr Delay (d2), s/veh	5.1	0.0	5.0	0.9	0.0	16.0	0.5	4.3	4.2	4.9	2.3	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	5.0	1.0	0.0	7.1	1.0	8.6	8.8	3.0	6.4	6.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.5	0.0	36.9	39.5	0.0	49.1	11.7	21.7	21.6	20.1	15.5	15.4
LnGrp LOS	D	A	D	D	A	D	B	C	C	C	B	B
Approach Vol, veh/h		318			332			1265			1394	
Approach Delay, s/veh		39.2			47.8			20.8			16.5	
Approach LOS		D			D			C			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.2	52.9		24.0	15.2	47.9		24.0				
Change Period (Y+Rc), s	5.5	6.0		6.0	5.5	6.0		6.0				
Max Green Setting (Gmax), s	7.6	46.9		18.0	17.5	37.0		18.0				
Max Q Clear Time (g_c+I1), s	4.7	19.1		20.0	9.1	23.8		16.7				
Green Ext Time (p_c), s	0.1	7.2		0.0	0.6	5.8		0.3				

Intersection Summary	
HCM 6th Ctrl Delay	23.5
HCM 6th LOS	C

HCM 6th TWSC
5: Ocoee Apopka Rd & Keene Rd

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	900.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	220	160	756	239	212	779
Future Vol, veh/h	220	160	756	239	212	779
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	6	6	4	4	2	2
Mvmt Flow	232	168	796	252	223	820

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2188	922	0	0	1048	0
Stage 1	922	-	-	-	-	-
Stage 2	1266	-	-	-	-	-
Critical Hdwy	6.46	6.26	-	-	4.12	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.354	-	-	2.218	-
Pot Cap-1 Maneuver	~ 49	322	-	-	664	-
Stage 1	381	-	-	-	-	-
Stage 2	260	-	-	-	-	-
Platoon blocked, %				-		-
Mov Cap-1 Maneuver	~ 19	322	-	-	664	-
Mov Cap-2 Maneuver	~ 19	-	-	-	-	-
Stage 1	381	-	-	-	-	-
Stage 2	~ 100	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, $	5600.6	0	2.8
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	31	664	-
HCM Lane V/C Ratio	-	-	12.903	0.336	-
HCM Control Delay (s)	-	-	$ 5600.6	13.1	0
HCM Lane LOS	-	-	F	B	A
HCM 95th %tile Q(veh)	-	-	49.2	1.5	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM 6th TWSC
6: Binion Rd & Verde View Dr/Harmon Rd

2027 PM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	145.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	11	43	158	13	161	34	647	42	90	360	46
Future Vol, veh/h	10	11	43	158	13	161	34	647	42	90	360	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	415	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	11	12	45	166	14	169	36	681	44	95	379	48

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1460	1390	403	1397	1392	703	427	0	0	725	0	0
Stage 1	593	593	-	775	775	-	-	-	-	-	-	-
Stage 2	867	797	-	622	617	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	107	142	647	~ 118	142	438	1132	-	-	878	-	-
Stage 1	492	493	-	391	408	-	-	-	-	-	-	-
Stage 2	348	399	-	474	481	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	52	118	647	~ 88	118	438	1132	-	-	878	-	-
Mov Cap-2 Maneuver	52	118	-	~ 88	118	-	-	-	-	-	-	-
Stage 1	476	423	-	378	395	-	-	-	-	-	-	-
Stage 2	199	386	-	367	412	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	36	$ 696.6	0.4	1.7
HCM LOS	E	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1132	-	-	182	146	878	-	-
HCM Lane V/C Ratio	0.032	-	-	0.37	2.394	0.108	-	-
HCM Control Delay (s)	8.3	-	-	36$	696.6	9.6	0	-
HCM Lane LOS	A	-	-	E	F	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	1.6	29.8	0.4	-	-

Notes
~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

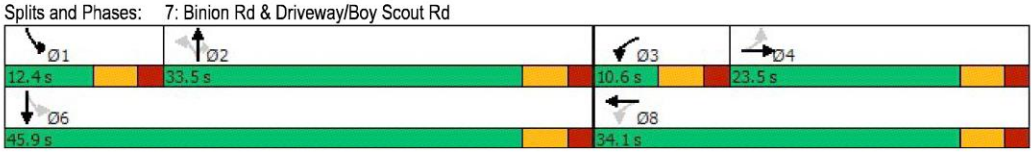
Timings
7: Binion Rd & Driveway/Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	6	4	177	5	2	592	107	165	271
Future Volume (vph)	6	4	177	5	2	592	107	165	271
Turn Type	Perm	NA	pm+pt	NA	Perm	NA	Perm	pm+pt	NA
Protected Phases		4	3	8		2		1	6
Permitted Phases	4		8		2		2	6	
Detector Phase	4	4	3	8	2	2	2	1	6
Switch Phase									
Minimum Initial (s)	5.0	5.0	5.0	5.0	10.0	10.0	10.0	5.0	10.0
Minimum Split (s)	23.5	23.5	10.5	23.5	23.5	23.5	23.5	10.5	23.5
Total Split (s)	23.5	23.5	10.6	34.1	33.5	33.5	33.5	12.4	45.9
Total Split (%)	29.4%	29.4%	13.3%	42.6%	41.9%	41.9%	41.9%	15.5%	57.4%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)		0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)		5.5	5.5	5.5		5.5	5.5	5.5	5.5
Lead/Lag	Lag	Lag	Lead		Lag	Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes	Yes	Yes	
Recall Mode	None	None	None	None	Min	Min	Min	None	Min
Act Effct Green (s)		7.6	13.7	13.7		26.6	26.6	39.2	39.2
Actuated g/C Ratio		0.12	0.21	0.21		0.41	0.41	0.61	0.61
v/c Ratio		0.07	0.54	0.81		0.81	0.15	0.55	0.26
Control Delay		22.4	28.1	20.2		29.1	1.1	16.1	8.0
Queue Delay		0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Delay		22.4	28.1	20.2		29.1	1.1	16.1	8.0
LOS		C	C	C		C	A	B	A
Approach Delay		22.4		22.5		24.8			11.0
Approach LOS		C		C		C			B

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 64.2	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.81	
Intersection Signal Delay: 20.5	Intersection LOS: C
Intersection Capacity Utilization 86.7%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 7: Binion Rd & Driveway/Boy Scout Rd



Queues
7: Binion Rd & Driveway/Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Lane Group	EBT	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	16	186	462	625	113	174	290
v/c Ratio	0.07	0.54	0.81	0.81	0.15	0.55	0.26
Control Delay	22.4	28.1	20.2	29.1	1.1	16.1	8.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	22.4	28.1	20.2	29.1	1.1	16.1	8.0
Queue Length 50th (ft)	4	66	58	201	0	25	43
Queue Length 95th (ft)	20	116	155	#494	8	#107	123
Internal Link Dist (ft)	254		960	460			2640
Turn Bay Length (ft)		290			240	290	
Base Capacity (vph)	511	342	885	830	808	317	1196
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.54	0.52	0.75	0.14	0.55	0.24

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
7: Binion Rd & Driveway/Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	4	6	177	5	434	2	592	107	165	271	5
Future Volume (veh/h)	6	4	6	177	5	434	2	592	107	165	271	5
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	6	4	6	186	5	457	2	623	113	174	285	5
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	92	64	53	436	6	512	50	679	576	278	957	17
Arrive On Green	0.18	0.18	0.18	0.07	0.33	0.33	0.36	0.36	0.36	0.08	0.52	0.52
Sat Flow, veh/h	133	357	294	1781	17	1570	1	1869	1585	1781	1832	32
Grp Volume(v), veh/h	16	0	0	186	0	462	625	0	113	174	0	290
Grp Sat Flow(s),veh/h/ln	784	0	0	1781	0	1588	1870	0	1585	1781	0	1865
Q Serve(g_s), s	0.1	0.0	0.0	5.1	0.0	20.0	1.0	0.0	3.5	4.1	0.0	6.4
Cycle Q Clear(g_c), s	9.5	0.0	0.0	5.1	0.0	20.0	23.1	0.0	3.5	4.1	0.0	6.4
Prop In Lane	0.37		0.37	1.00		0.99	0.00		1.00	1.00		0.02
Lane Grp Cap(c), veh/h	209	0	0	436	0	517	730	0	576	278	0	973
V/C Ratio(X)	0.08	0.00	0.00	0.43	0.00	0.89	0.86	0.00	0.20	0.63	0.00	0.30
Avail Cap(c_a), veh/h	299	0	0	436	0	628	773	0	613	301	0	1041
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	24.9	0.0	0.0	21.2	0.0	23.2	22.0	0.0	15.8	16.4	0.0	9.8
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.7	0.0	13.3	9.0	0.0	0.2	3.6	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.0	2.3	0.0	8.4	10.5	0.0	1.1	1.6	0.0	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.0	0.0	0.0	21.8	0.0	36.5	31.1	0.0	15.9	19.9	0.0	10.0
LnGrp LOS	C	A	A	C	A	D	C	A	B	B	A	A
Approach Vol, veh/h		16			648			738			464	
Approach Delay, s/veh		25.0			32.3			28.7			13.7	
Approach LOS		C			C			C			B	

Timer - Assigned Phs	1	2	3	4		6		8				
Phs Duration (G+Y+Rc), s	11.5	31.8	10.6	18.5		43.3		29.1				
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5		5.5		5.5				
Max Green Setting (Gmax), s	6.9	28.0	5.1	18.0		40.4		28.6				
Max Q Clear Time (g_c+I1), s	6.1	25.1	7.1	11.5		8.4		22.0				
Green Ext Time (p_c), s	0.0	1.2	0.0	0.0		1.6		1.6				

Intersection Summary	
HCM 6th Ctrl Delay	26.2
HCM 6th LOS	C

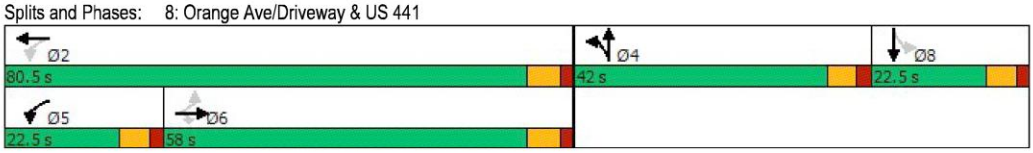
Timings
8: Orange Ave/Driveway & US 441

2027 PM Peak Hour
04/29/2021

Lane Group	EBT	EBR	WBL	WBT	NBT	Ø8
Lane Configurations						
Traffic Volume (vph)	1604	232	73	1615	0	
Future Volume (vph)	1604	232	73	1615	0	
Turn Type	NA	Perm	pm+pt	NA	NA	
Protected Phases	6		5	2	4	8
Permitted Phases		6	2			
Detector Phase	6	6	5	2	4	
Switch Phase						
Minimum Initial (s)	10.0	10.0	5.0	10.0	10.0	5.0
Minimum Split (s)	22.5	22.5	22.5	24.7	24.3	22.5
Total Split (s)	58.0	58.0	22.5	80.5	42.0	22.5
Total Split (%)	40.0%	40.0%	15.5%	55.5%	29.0%	16%
Yellow Time (s)	4.7	4.7	4.3	4.7	4.3	4.3
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.7	6.7	6.3	6.7	6.3	
Lead/Lag	Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes	Yes			
Recall Mode	Max	Max	None	Max	None	None
Act Effct Green (s)	62.3	62.3	74.2	73.8	35.7	
Actuated g/C Ratio	0.51	0.51	0.61	0.60	0.29	
v/c Ratio	0.94	0.27	0.46	0.80	1.21	
Control Delay	40.6	3.8	22.2	22.3	142.2	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	40.6	3.8	22.2	22.3	142.2	
LOS	D	A	C	C	F	
Approach Delay	35.9			22.3	142.2	
Approach LOS	D			C	F	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 122.5	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.21	
Intersection Signal Delay: 47.6	Intersection LOS: D
Intersection Capacity Utilization 108.1%	ICU Level of Service G
Analysis Period (min) 15	

Splits and Phases: 8: Orange Ave/Driveway & US 441



Queues
8: Orange Ave/Driveway & US 441

2027 PM Peak Hour
04/29/2021

Lane Group	EBT	EBR	WBL	WBT	NBT
Lane Group Flow (vph)	1688	244	77	1701	717
v/c Ratio	0.94	0.27	0.46	0.80	1.21
Control Delay	40.6	3.8	22.2	22.3	142.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	40.6	3.8	22.2	22.3	142.2
Queue Length 50th (ft)	667	7	24	511	~622
Queue Length 95th (ft)	#876	52	60	613	#861
Internal Link Dist (ft)	897			744	658
Turn Bay Length (ft)		510	300		
Base Capacity (vph)	1799	915	285	2132	592
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.94	0.27	0.27	0.80	1.21

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
8: Orange Ave/Driveway & US 441

2027 PM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1604	232	73	1615	1	511	0	170	0	0	0
Future Volume (veh/h)	0	1604	232	73	1615	1	511	0	170	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	1688	244	77	1700	1	538	0	179	0	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	59	1824	813	143	2196	1	378	0	126	0	2	0
Arrive On Green	0.00	0.51	0.51	0.04	0.60	0.60	0.29	0.00	0.29	0.00	0.00	0.00
Sat Flow, veh/h	288	3554	1585	1781	3645	2	1297	0	431	0	1870	0
Grp Volume(v), veh/h	0	1688	244	77	829	872	717	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	288	1777	1585	1781	1777	1870	1728	0	0	0	1870	0
Q Serve(g_s), s	0.0	54.0	10.9	2.4	42.6	42.6	35.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	54.0	10.9	2.4	42.6	42.6	35.7	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.75		0.25	0.00		0.00
Lane Grp Cap(c), veh/h	59	1824	813	143	1070	1127	504	0	0	0	2	0
V/C Ratio(X)	0.00	0.93	0.30	0.54	0.77	0.77	1.42	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	59	1824	813	311	1070	1127	504	0	0	0	247	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	27.6	17.2	28.2	18.1	18.1	43.4	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	9.6	0.9	3.1	5.5	5.2	202.1	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	23.4	4.0	1.2	17.1	17.9	42.9	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	37.2	18.1	31.3	23.6	23.4	245.5	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	D	B	C	C	C	F	A	A	A	A	A
Approach Vol, veh/h		1932			1778			717			0	
Approach Delay, s/veh		34.8			23.8			245.5			0.0	
Approach LOS		C			C			F				

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		80.5		42.0	10.9	69.6		0.0				
Change Period (Y+Rc), s		6.7		6.3	6.3	6.7		6.3				
Max Green Setting (Gmax), s		73.8		35.7	16.2	51.3		16.2				
Max Q Clear Time (g_c+I1), s		44.6		37.7	4.4	56.0		0.0				
Green Ext Time (p_c), s		14.5		0.0	0.1	0.0		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			64.5									
HCM 6th LOS			E									

HCM 6th TWSC
9: Boy Scout Rd & Parcel 3-A/Galway Blvd

2027 PM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	4.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	54	6	82	41	3	47	41	614	68	69	783	13
Future Vol, veh/h	54	6	82	41	3	47	41	614	68	69	783	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	0	-	-	150	-	-
Veh in Median Storage, #	-	1	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	57	6	86	43	3	49	43	646	72	73	824	14

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1771	1781	831	1791	1752	682	838	0	0	718	0	0
Stage 1	977	977	-	768	768	-	-	-	-	-	-	-
Stage 2	794	804	-	1023	984	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	65	82	370	63	85	450	796	-	-	883	-	-
Stage 1	302	329	-	394	411	-	-	-	-	-	-	-
Stage 2	381	396	-	284	327	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 51	71	370	~ 42	74	450	796	-	-	883	-	-
Mov Cap-2 Maneuver	144	170	-	114	173	-	-	-	-	-	-	-
Stage 1	286	302	-	373	389	-	-	-	-	-	-	-
Stage 2	318	375	-	196	300	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	29.2	32.9	0.6	0.8
HCM LOS	D	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	796	-	-	144	343	114	411	883	-	-
HCM Lane V/C Ratio	0.054	-	-	0.395	0.27	0.379	0.128	0.082	-	-
HCM Control Delay (s)	9.8	-	-	45.4	19.3	54.7	15	9.4	-	-
HCM Lane LOS	A	-	-	E	C	F	C	A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	1.7	1.1	1.6	0.4	0.3	-	-

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Timings
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Configurations									
Traffic Volume (vph)	313	9	2	5	175	765	1	862	142
Future Volume (vph)	313	9	2	5	175	765	1	862	142
Turn Type	pm+pt	NA	Perm	NA	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	7	4		8	5	2	1	6	
Permitted Phases	4		8		2		6		6
Detector Phase	7	4	8	8	5	2	1	6	6
Switch Phase									
Minimum Initial (s)	5.0	10.0	10.0	10.0	5.0	5.0	5.0	10.0	10.0
Minimum Split (s)	10.5	24.0	24.0	24.0	10.5	24.0	10.5	24.0	24.0
Total Split (s)	13.6	37.6	24.0	24.0	13.4	61.9	10.5	59.0	59.0
Total Split (%)	12.4%	34.2%	21.8%	21.8%	12.2%	56.3%	9.5%	53.6%	53.6%
Yellow Time (s)	3.5	4.0	4.0	4.0	3.5	4.0	3.5	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	6.0		6.0	5.5	6.0	5.5	6.0	6.0
Lead/Lag	Lead		Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	18.3	17.8		10.0	66.7	64.7	58.7	53.2	53.2
Actuated g/C Ratio	0.19	0.18		0.10	0.69	0.67	0.61	0.55	0.55
v/c Ratio	1.23	0.68		0.16	0.75	0.65	0.00	0.88	0.16
Control Delay	166.9	22.8		23.0	34.7	14.7	6.0	32.6	3.1
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	166.9	22.8		23.0	34.7	14.7	6.0	32.6	3.1
LOS	F	C		C	C	B	A	C	A
Approach Delay		98.7		23.0		18.4		28.4	
Approach LOS		F		C		B		C	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 96.5	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.23	
Intersection Signal Delay: 40.9	Intersection LOS: D
Intersection Capacity Utilization 93.7%	ICU Level of Service F
Analysis Period (min) 15	

Splits and Phases: 10: Ocoee Apopka Rd & Internal Rd/Driveway



Queues
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 PM Peak Hour
04/29/2021

Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	329	296	30	184	807	1	907	149
v/c Ratio	1.23	0.68	0.16	0.75	0.65	0.00	0.88	0.16
Control Delay	166.9	22.8	23.0	34.7	14.7	6.0	32.6	3.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	166.9	22.8	23.0	34.7	14.7	6.0	32.6	3.1
Queue Length 50th (ft)	~221	65	4	50	293	0	528	3
Queue Length 95th (ft)	#412	155	33	#169	573	2	#813	33
Internal Link Dist (ft)		726	418		1871		445	
Turn Bay Length (ft)	300			250		520		
Base Capacity (vph)	267	641	314	246	1248	345	1028	935
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.23	0.46	0.10	0.75	0.65	0.00	0.88	0.16

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary
10: Ocoee Apopka Rd & Internal Rd/Driveway

2027 PM Peak Hour
04/29/2021

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	313	9	273	2	5	22	175	765	2	1	862	142
Future Volume (veh/h)	313	9	273	2	5	22	175	765	2	1	862	142
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	329	9	287	2	5	23	184	805	2	1	907	149
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	406	12	373	43	35	127	222	1078	3	250	959	813
Arrive On Green	0.08	0.24	0.24	0.10	0.10	0.10	0.07	0.58	0.58	0.00	0.51	0.51
Sat Flow, veh/h	1781	48	1544	35	344	1243	1781	1865	5	1781	1870	1585
Grp Volume(v), veh/h	329	0	296	30	0	0	184	0	807	1	907	149
Grp Sat Flow(s),veh/h/ln	1781	0	1592	1621	0	0	1781	0	1870	1781	1870	1585
Q Serve(g_s), s	8.1	0.0	16.9	0.0	0.0	0.0	4.5	0.0	31.3	0.0	44.8	4.9
Cycle Q Clear(g_c), s	8.1	0.0	16.9	1.6	0.0	0.0	4.5	0.0	31.3	0.0	44.8	4.9
Prop In Lane	1.00		0.97	0.07		0.77	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	406	0	384	205	0	0	222	0	1081	250	959	813
V/C Ratio(X)	0.81	0.00	0.77	0.15	0.00	0.00	0.83	0.00	0.75	0.00	0.95	0.18
Avail Cap(c_a), veh/h	406	0	515	334	0	0	247	0	1081	339	1014	859
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.1	0.0	34.6	40.1	0.0	0.0	22.2	0.0	15.3	14.7	22.5	12.8
Incr Delay (d2), s/veh	11.8	0.0	5.0	0.3	0.0	0.0	19.2	0.0	2.9	0.0	16.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.0	7.0	0.7	0.0	0.0	3.2	0.0	12.1	0.0	21.4	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.9	0.0	39.5	40.5	0.0	0.0	41.4	0.0	18.2	14.7	38.8	12.9
LnGrp LOS	D	A	D	D	A	A	D	A	B	B	D	B
Approach Vol, veh/h		625			30			991			1057	
Approach Delay, s/veh		45.0			40.5			22.5			35.2	
Approach LOS		D			D			C			D	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	5.6	62.5		29.6	12.0	56.1	13.6	16.0
Change Period (Y+Rc), s	5.5	6.0		6.0	5.5	6.0	5.5	6.0
Max Green Setting (Gmax), s	5.0	55.9		31.6	7.9	53.0	8.1	18.0
Max Q Clear Time (g_c+I1), s	2.0	33.3		18.9	6.5	46.8	10.1	3.6
Green Ext Time (p_c), s	0.0	5.5		1.5	0.1	3.3	0.0	0.1

Intersection Summary		
HCM 6th Ctrl Delay		32.8
HCM 6th LOS		C

HCM 6th TWSC
11: Binion Rd & P7 Ent

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.8

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	13	674	32	10	421
Future Vol, veh/h	26	13	674	32	10	421
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	27	14	709	34	11	443

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1191	726	0	0	743	0
Stage 1	726	-	-	-	-	-
Stage 2	465	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	207	425	-	-	864	-
Stage 1	479	-	-	-	-	-
Stage 2	632	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	203	425	-	-	864	-
Mov Cap-2 Maneuver	203	-	-	-	-	-
Stage 1	479	-	-	-	-	-
Stage 2	621	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	22.5	0	0.2
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	246	864	-
HCM Lane V/C Ratio	-	-	0.167	0.012	-
HCM Control Delay (s)	-	-	22.5	9.2	0
HCM Lane LOS	-	-	C	A	A
HCM 95th %tile Q(veh)	-	-	0.6	0	-

HCM 6th TWSC
12: Binion Rd & Parcel 6

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.8

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	13	674	32	10	421
Future Vol, veh/h	26	13	674	32	10	421
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	290	0	-	240	290	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	27	14	709	34	11	443

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	1174	709	0	0	743	0
Stage 1	709	-	-	-	-	-
Stage 2	465	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	212	434	-	-	864	-
Stage 1	488	-	-	-	-	-
Stage 2	632	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	209	434	-	-	864	-
Mov Cap-2 Maneuver	209	-	-	-	-	-
Stage 1	488	-	-	-	-	-
Stage 2	624	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	21.1	0	0.2
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	209	434	864	-
HCM Lane V/C Ratio	-	-	0.131	0.032	0.012	-
HCM Control Delay (s)	-	-	24.8	13.6	9.2	-
HCM Lane LOS	-	-	C	B	A	-
HCM 95th %tile Q(veh)	-	-	0.4	0.1	0	-

HCM 6th TWSC
13: Ocoee Apopka Rd & Parcel 1

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑	↱		↱
Traffic Vol, veh/h	0	1404	736	57	0	67
Future Vol, veh/h	0	1404	736	57	0	67
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	240	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1478	775	60	0	71

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	775
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.318
Pot Cap-1 Maneuver	0	-	-	-	0	398
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	398
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	16
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	398
HCM Lane V/C Ratio	-	-	-	0.177
HCM Control Delay (s)	-	-	-	16
HCM Lane LOS	-	-	-	C
HCM 95th %tile Q(veh)	-	-	-	0.6

HCM 6th TWSC
14: Ocoee Apopka Rd & Parcel 3

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	50	0	1100	955	19
Future Vol, veh/h	0	50	0	1100	955	19
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	240
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	53	0	1158	1005	20

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	-	1005	-	0	-	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.22	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.318	-	-	-	-
Pot Cap-1 Maneuver	0	293	0	-	-	-
Stage 1	0	-	0	-	-	-
Stage 2	0	-	0	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	-	293	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	20	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	-	293	-	-
HCM Lane V/C Ratio	-	0.18	-	-
HCM Control Delay (s)	-	20	-	-
HCM Lane LOS	-	C	-	-
HCM 95th %tile Q(veh)	-	0.6	-	-

HCM 6th TWSC
15: Parcel 3-B/Parcel 1 & Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	9.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	72	823	6	36	448	118	32	16	52	100	37	122
Future Vol, veh/h	72	823	6	36	448	118	32	16	52	100	37	122
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	0	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	76	866	6	38	472	124	34	17	55	105	39	128

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	596	0	0	872	0	0	1715	1693	869	1667	1634	534
Stage 1	-	-	-	-	-	-	1021	1021	-	610	610	-
Stage 2	-	-	-	-	-	-	694	672	-	1057	1024	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	980	-	-	773	-	-	71	93	351	~ 77	101	546
Stage 1	-	-	-	-	-	-	285	314	-	482	485	-
Stage 2	-	-	-	-	-	-	433	454	-	272	313	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	980	-	-	773	-	-	41	82	351	~ 55	89	546
Mov Cap-2 Maneuver	-	-	-	-	-	-	126	183	-	126	184	-
Stage 1	-	-	-	-	-	-	263	290	-	444	461	-
Stage 2	-	-	-	-	-	-	288	432	-	199	289	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	0.6	28.6	54.7
HCM LOS			D	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	126	289	980	-	-	773	-	-	126	375
HCM Lane V/C Ratio	0.267	0.248	0.077	-	-	0.049	-	-	0.835	0.446
HCM Control Delay (s)	43.7	21.5	9	-	-	9.9	-	-	106.6	22.1
HCM Lane LOS	E	C	A	-	-	A	-	-	F	C
HCM 95th %tile Q(veh)	1	1	0.3	-	-	0.2	-	-	5.1	2.2

Notes

~: Volume exceeds capacity $: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th TWSC
16: Parcel 4-C/Parcel 2-B & Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	8.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	15	503	12	88	321	61	27	23	261	42	9	10
Future Vol, veh/h	15	503	12	88	321	61	27	23	261	42	9	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	0	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	16	529	13	93	338	64	28	24	275	44	9	11

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	402	0	0	542	0	0	1134	1156	536	1273	1130	370
Stage 1	-	-	-	-	-	-	568	568	-	556	556	-
Stage 2	-	-	-	-	-	-	566	588	-	717	574	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1157	-	-	1027	-	-	180	197	545	144	204	676
Stage 1	-	-	-	-	-	-	508	506	-	515	513	-
Stage 2	-	-	-	-	-	-	509	496	-	421	503	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1157	-	-	1027	-	-	155	170	545	60	176	676
Mov Cap-2 Maneuver	-	-	-	-	-	-	277	285	-	90	274	-
Stage 1	-	-	-	-	-	-	498	496	-	505	452	-
Stage 2	-	-	-	-	-	-	433	437	-	195	493	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.7	21.5	58.7
HCM LOS			C	F

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	277	508	1157	-	-	1027	-	-	90	399
HCM Lane V/C Ratio	0.103	0.588	0.014	-	-	0.09	-	-	0.491	0.05
HCM Control Delay (s)	19.5	21.7	8.2	0	-	8.9	0	-	78.7	14.5
HCM Lane LOS	C	C	A	A	-	A	A	-	F	B
HCM 95th %tile Q(veh)	0.3	3.8	0	-	-	0.3	-	-	2.1	0.2

HCM 6th TWSC
17: Parcel 4-B/Parcel 2- & Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	9.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	22	249	13	72	417	41	37	45	193	28	18	15
Future Vol, veh/h	22	249	13	72	417	41	37	45	193	28	18	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	23	262	14	76	439	43	39	47	203	29	19	16

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	482	0	0	276	0	0	945	949	269	1053	935	461
Stage 1	-	-	-	-	-	-	315	315	-	613	613	-
Stage 2	-	-	-	-	-	-	630	634	-	440	322	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1081	-	-	1287	-	-	242	260	770	204	265	600
Stage 1	-	-	-	-	-	-	696	656	-	480	483	-
Stage 2	-	-	-	-	-	-	470	473	-	596	651	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1081	-	-	1287	-	-	204	233	770	117	237	600
Mov Cap-2 Maneuver	-	-	-	-	-	-	204	233	-	117	237	-
Stage 1	-	-	-	-	-	-	679	640	-	468	444	-
Stage 2	-	-	-	-	-	-	403	435	-	396	635	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	1.1	27.6	36
HCM LOS			D	E

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	440	1081	-	-	1287	-	-	179
HCM Lane V/C Ratio	0.658	0.021	-	-	0.059	-	-	0.359
HCM Control Delay (s)	27.6	8.4	0	-	8	0	-	36
HCM Lane LOS	D	A	A	-	A	A	-	E
HCM 95th %tile Q(veh)	4.6	0.1	-	-	0.2	-	-	1.5

HCM 6th TWSC
18: Parcel 4-A & Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	201	14	33	436	21	83
Future Vol, veh/h	201	14	33	436	21	83
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	212	15	35	459	22	87

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	227	0	749	220
Stage 1	-	-	-	-	220	-
Stage 2	-	-	-	-	529	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1341	-	379	820
Stage 1	-	-	-	-	817	-
Stage 2	-	-	-	-	591	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1341	-	366	820
Mov Cap-2 Maneuver	-	-	-	-	366	-
Stage 1	-	-	-	-	817	-
Stage 2	-	-	-	-	570	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.5	11.6
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	656	-	-	1341	-
HCM Lane V/C Ratio	0.167	-	-	0.026	-
HCM Control Delay (s)	11.6	-	-	7.8	0
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.6	-	-	0.1	-

HCM 6th TWSC
19: Internal Rd/External Dr & Boy Scout Rd

2027 PM Peak Hour
04/29/2021

Intersection												
Int Delay, s/veh	7.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	1	161	73	28	366	64	211	3	22	33	4	1
Future Vol, veh/h	1	161	73	28	366	64	211	3	22	33	4	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	150	-	-	-	200	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	169	77	29	385	67	222	3	23	35	4	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	452	0	0	246	0	0	650	681	169	700	725	419
Stage 1	-	-	-	-	-	-	171	171	-	477	477	-
Stage 2	-	-	-	-	-	-	479	510	-	223	248	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1109	-	-	1320	-	-	382	373	875	354	352	634
Stage 1	-	-	-	-	-	-	831	757	-	569	556	-
Stage 2	-	-	-	-	-	-	568	538	-	780	701	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1109	-	-	1320	-	-	369	361	875	334	341	634
Mov Cap-2 Maneuver	-	-	-	-	-	-	369	361	-	334	341	-
Stage 1	-	-	-	-	-	-	830	756	-	568	539	-
Stage 2	-	-	-	-	-	-	546	522	-	755	700	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.5	26.5	17
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	369	747	1109	-	-	1320	-	-	339
HCM Lane V/C Ratio	0.602	0.035	0.001	-	-	0.022	-	-	0.118
HCM Control Delay (s)	28.5	10	8.2	0	-	7.8	0	-	17
HCM Lane LOS	D	B	A	A	-	A	A	-	C
HCM 95th %tile Q(veh)	3.8	0.1	0	-	-	0.1	-	-	0.4

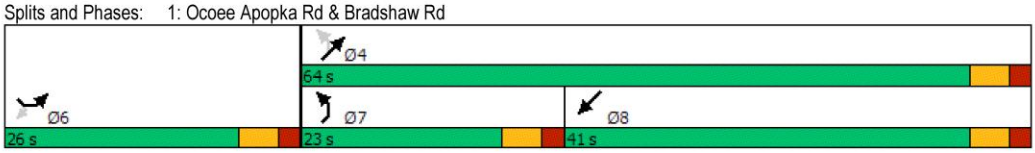
Timings
1: Ocoee Apopka Rd & Bradshaw Rd

2027 PM Peak Hour
04/30/2021

Lane Group	SEL	SER	NEL	NET	SWT
Lane Configurations					
Traffic Volume (vph)	31	374	357	867	585
Future Volume (vph)	31	374	357	867	585
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	6		7	4	8
Permitted Phases		6	4		
Detector Phase	6	6	7	4	8
Switch Phase					
Minimum Initial (s)	5.0	5.0	5.0	10.0	10.0
Minimum Split (s)	23.5	23.5	10.5	23.5	23.5
Total Split (s)	26.0	26.0	23.0	64.0	41.0
Total Split (%)	28.9%	28.9%	25.6%	71.1%	45.6%
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	5.5	5.5	5.5	5.5
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	Min	Min	None	None	None
Act Effct Green (s)	8.6	8.6	51.7	51.7	29.2
Actuated g/C Ratio	0.12	0.12	0.72	0.72	0.41
v/c Ratio	0.15	0.73	0.69	0.68	0.85
Control Delay	31.6	12.6	20.7	9.2	32.0
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	31.6	12.6	20.7	9.2	32.0
LOS	C	B	C	A	C
Approach Delay	14.0			12.6	32.0
Approach LOS	B			B	C

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 71.6	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.85	
Intersection Signal Delay: 18.1	Intersection LOS: B
Intersection Capacity Utilization 70.0%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 1: Ocoee Apopka Rd & Bradshaw Rd



HCM 6th Signalized Intersection Summary
2: Marder Rd & Ocoee Apopka Rd

2027 PM Peak Hour
04/30/2021

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1047	233	207	682	195	162
Future Volume (veh/h)	1047	233	207	682	195	162
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	1102	245	218	718	205	171
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1148	973	249	1411	245	218
Arrive On Green	0.61	0.61	0.09	0.75	0.14	0.14
Sat Flow, veh/h	1870	1585	1781	1870	1781	1585
Grp Volume(v), veh/h	1102	245	218	718	205	171
Grp Sat Flow(s),veh/h/ln	1870	1585	1781	1870	1781	1585
Q Serve(g_s), s	56.5	7.2	6.8	15.6	11.4	10.6
Cycle Q Clear(g_c), s	56.5	7.2	6.8	15.6	11.4	10.6
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1148	973	249	1411	245	218
V/C Ratio(X)	0.96	0.25	0.87	0.51	0.84	0.78
Avail Cap(c_a), veh/h	1183	1003	264	1462	337	300
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.5	9.0	31.4	5.0	42.8	42.5
Incr Delay (d2), s/veh	17.2	0.1	25.2	0.3	12.3	8.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	25.3	2.2	6.9	4.1	5.7	4.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	35.7	9.1	56.6	5.3	55.1	51.4
LnGrp LOS	D	A	E	A	E	D
Approach Vol, veh/h	1347			936	376	
Approach Delay, s/veh	30.9			17.2	53.4	
Approach LOS	C			B	D	

Timer - Assigned Phs		2	3	4		8
Phs Duration (G+Y+Rc), s		19.5	14.3	68.1		82.4
Change Period (Y+Rc), s		5.5	5.5	5.5		5.5
Max Green Setting (Gmax), s		19.3	9.7	64.5		79.7
Max Q Clear Time (g_c+I1), s		13.4	8.8	58.5		17.6
Green Ext Time (p_c), s		0.6	0.1	4.1		5.3

Intersection Summary	
HCM 6th Ctrl Delay	29.3
HCM 6th LOS	C

Centerline Capital - Bronson apopka 7:00 am 12/07/2020 PM Peak Hour
JTR

Synchro 10 Report
Page 1

HCM 6th Signalized Intersection Summary
5: Ocoee Apopka Rd & Keene Rd

2027 PM Peak Hour
04/30/2021

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	220	160	756	239	212	779
Future Volume (veh/h)	220	160	756	239	212	779
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1811	1811	1841	1841	1870	1870
Adj Flow Rate, veh/h	232	168	796	252	223	820
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	6	6	4	4	2	2
Cap, veh/h	296	263	905	767	320	1238
Arrive On Green	0.17	0.17	0.49	0.49	0.09	0.66
Sat Flow, veh/h	1725	1535	1841	1560	1781	1870
Grp Volume(v), veh/h	232	168	796	252	223	820
Grp Sat Flow(s),veh/h/ln	1725	1535	1841	1560	1781	1870
Q Serve(g_s), s	8.5	6.7	25.5	6.5	3.7	17.4
Cycle Q Clear(g_c), s	8.5	6.7	25.5	6.5	3.7	17.4
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	296	263	905	767	320	1238
V/C Ratio(X)	0.78	0.64	0.88	0.33	0.70	0.66
Avail Cap(c_a), veh/h	471	419	1062	900	368	1448
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.1	25.4	15.0	10.2	13.9	6.7
Incr Delay (d2), s/veh	4.6	2.6	7.7	0.2	4.8	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	2.5	10.9	2.0	1.9	5.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	30.7	28.0	22.8	10.4	18.7	7.6
LnGrp LOS	C	C	C	B	B	A
Approach Vol, veh/h	400		1048			1043
Approach Delay, s/veh	29.6		19.8			10.0
Approach LOS	C		B			A

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	11.2	37.9			49.1	16.8
Change Period (Y+Rc), s	5.5	5.5			5.5	5.5
Max Green Setting (Gmax), s	7.5	38.0			51.0	18.0
Max Q Clear Time (g_c+I1), s	5.7	27.5			19.4	10.5
Green Ext Time (p_c), s	0.1	4.9			7.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	17.3
HCM 6th LOS	B

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Appendix K – Auxiliary Turn Lane Worksheets

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Ocoee Apopka Road (CR 437A) and Parcel 1 (13) – Southbound Right-Turn Lane

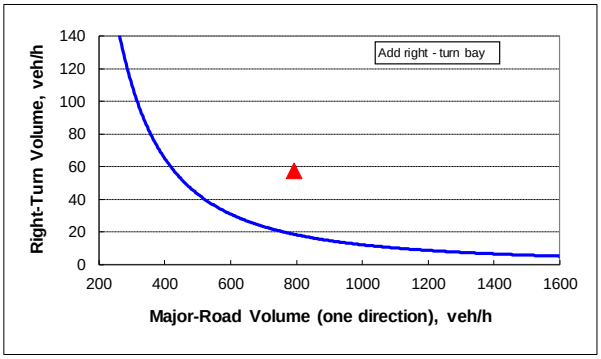
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	793
Right-turn volume, veh/h:	57

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	19
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Add right-turn bay.	



Ocoee Apopka Road (CR 437A) and Parcel 3 (14) – Southbound Right-Turn Lane

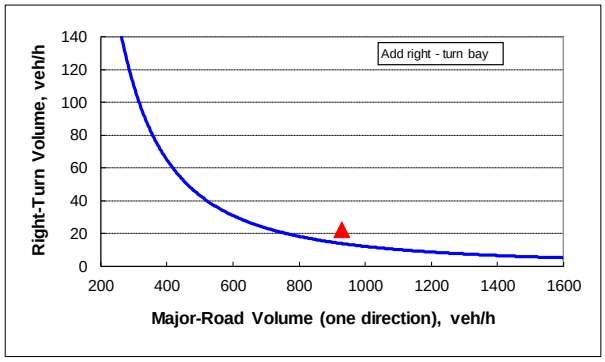
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	931
Right-turn volume, veh/h:	22

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	14
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Add right-turn bay.	



Ocoee Apopka Road (CR 437A) and Boy Scout Road (3) – Southbound Right-Turn Lane

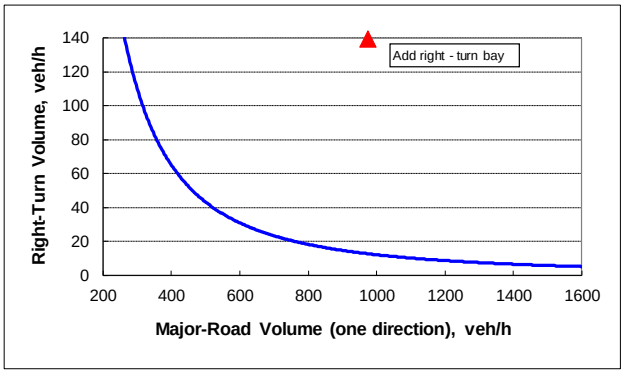
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	975
Right-turn volume, veh/h:	139

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	13
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Add right-turn bay.	



Ocoee Apopka Road (CR 437A) and Boy Scout Road (3) – Eastbound Left-Turn Lane

Figure 2 - 4. Guideline for determining minor-road approach geometry at two-way stop-controlled intersections.

INPUT

Variable	Value
Major-road volume (total of both directions), veh/h:	1974
Percentage of right-turns on minor road, %:	38%
Minor-road volume (one direction), veh/h:	500

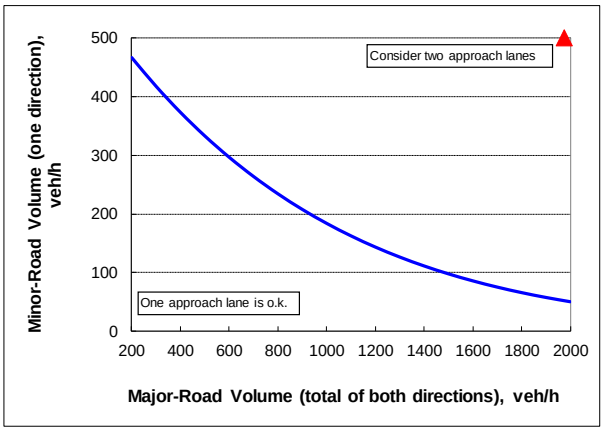
OUTPUT

Variable	Value
Limiting minor-road volume (one direction), veh/h:	52
Guidance for determining minor-road approach geometry:	
Consider TWO approach lanes	

CALIBRATION CONSTANTS

Minor Road	Critical gap, s:	Follow-up gap, s:
Right-turn capacity, veh/h:	6.2	3.3
Left-turn and through capacity, veh/h:	6.5	4.0

* according to Table 17 - 5 of the HCM



Ocoee Apopka Road (CR 437A) and Internal Road (10) – Eastbound Left-Turn Lane

Figure 2 - 4. Guideline for determining minor-road approach geometry at two-way stop-controlled intersections.

INPUT

Variable	Value
Major-road volume (total of both directions), veh/h:	1802
Percentage of right-turns on minor road, %:	46%
Minor-road volume (one direction), veh/h:	499

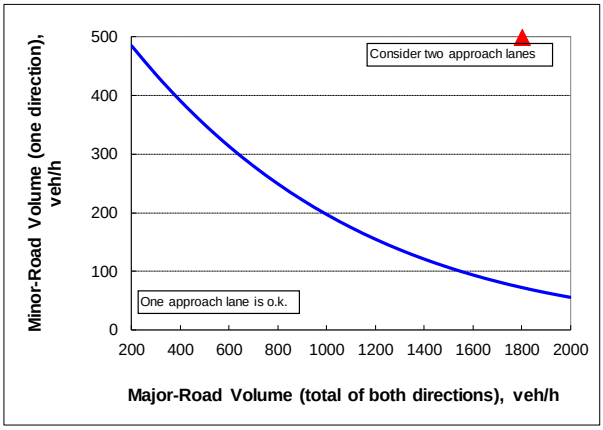
OUTPUT

Variable	Value
Limiting minor-road volume (one direction), veh/h:	72
Guidance for determining minor-road approach geometry:	
Consider TWO approach lanes	

CALIBRATION CONSTANTS

Minor Road	Critical gap, s:	Follow-up gap, s:
Right-turn capacity, veh/h:	6.2	3.3
Left-turn and through capacity, veh/h:	6.5	4.0

* according to Table 17 - 5 of the HCM



Ocoee Apopka Road (CR 437A) and Internal Road – Northbound Left-Turn Lane

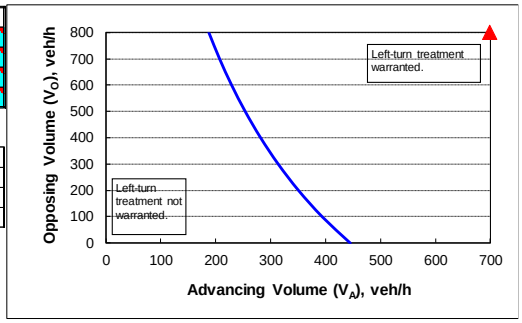
2-lane roadway (English)

INPUT

Variable	Value
85th percentile speed, mph:	45
Percent of left-turns in advancing volume (V_A), %:	16%
Advancing volume (V_A), veh/h:	699
Opposing volume (V_O), veh/h:	799

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	188
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment warranted.	



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Ocoee Apopka Road (CR 437A) and Internal Road – Southbound Right-Turn Lane

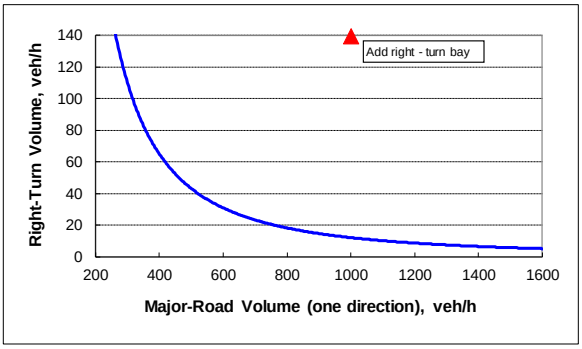
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	1003
Right-turn volume, veh/h:	139

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	12
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Add right-turn bay.	



Binion Road and Boy Scout Road – Westbound Left-Turn Lane

Figure 2 - 4. Guideline for determining minor-road approach geometry at two-way stop-controlled intersections.

INPUT

Variable	Value
Major-road volume (total of both directions), veh/h:	1091
Percentage of right-turns on minor road, %:	71%
Minor-road volume (one direction), veh/h:	394

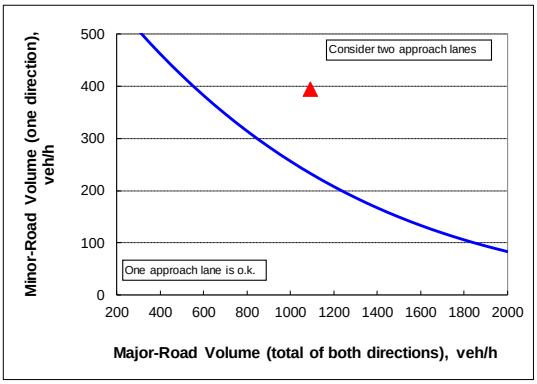
OUTPUT

Variable	Value
Limiting minor-road volume (one direction), veh/h:	233
Guidance for determining minor-road approach geometry:	
Consider TWO approach lanes	

CALIBRATION CONSTANTS

Minor Road	Critical gap, s:	Follow-up gap, s:
Right-turn capacity, veh/h:	6.2	3.3
Left-turn and through capacity, veh/h:	6.5	4.0

* according to Table 17 - 5 of the HCM



Binion Road and Boy Scout Road – Northbound Right-Turn Lane

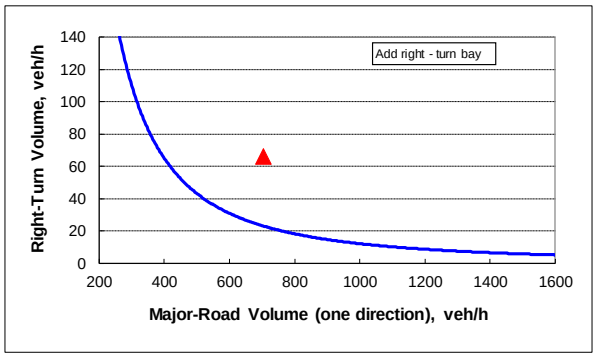
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane roadway
Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	706
Right-turn volume, veh/h:	66

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	23
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Add right-turn bay.	



Binion Road and Boy Scout Road – Southbound Left-Turn Lane

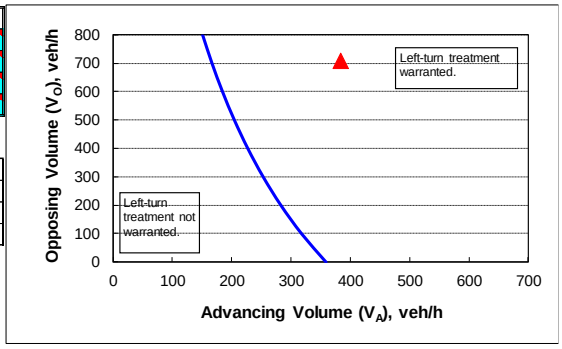
2-lane roadway (English)

INPUT

Variable	Value
85th percentile speed, mph:	45
Percent of left-turns in advancing volume (V_A), %:	29%
Advancing volume (V_A), veh/h:	385
Opposing volume (V_O), veh/h:	706

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	166
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment warranted.	



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Boy Scout Road and Galway Boulevard/Parcel 3-A – Westbound Left Turn Lane

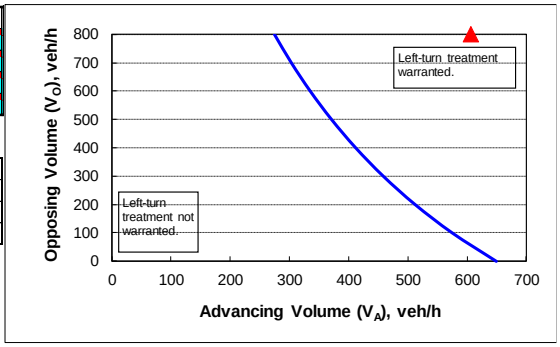
2-lane roadway (English)

INPUT

Variable	Value
85th percentile speed, mph:	45
Percent of left-turns in advancing volume (V_A), %:	7%
Advancing volume (V_A), veh/h:	607
Opposing volume (V_O), veh/h:	799

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	274
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment warranted.	



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Appendix L – Trail Map

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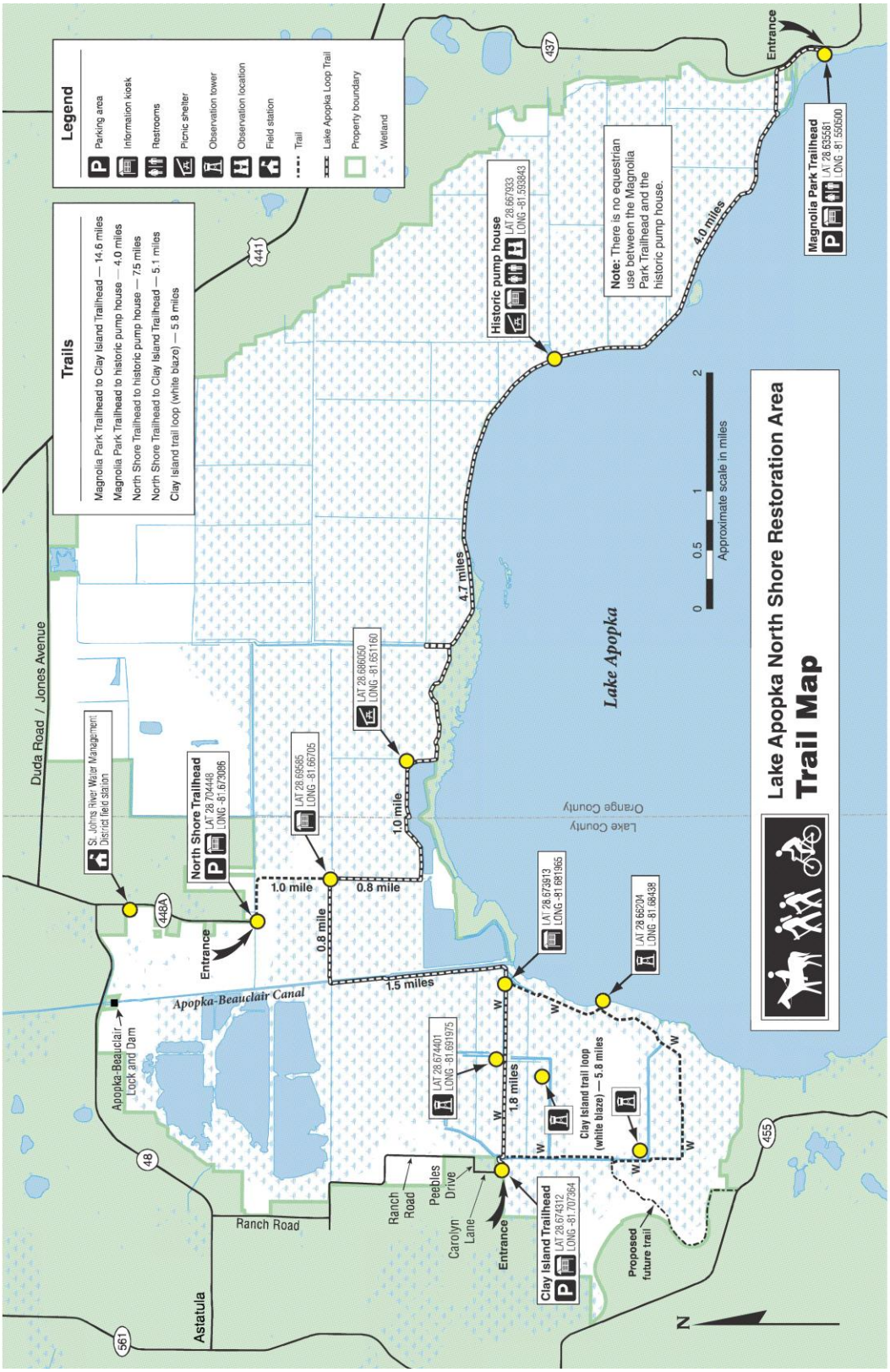
Lake Apopka North Shore Restoration Area
Trail Map
Legend
Parking area
Information kiosk
Restrooms
Picnic shelter
Observation tower
Observation location
Field station
Trail
Lake Apopka Loop Trail
Property boundary
Wetland
Trails
Magnolia Park Trailhead to Clay Island Trailhead — 14.6 miles
Magnolia Park Trailhead to historic pump house — 4.0 miles
North Shore Trailhead to historic pump house — 7.5 miles
North Shore Trailhead to Clay Island Trailhead — 5.1 miles
Clay Island trail loop (white blaze) — 5.8 miles
Approximate scale in miles
0
0.5
1
2
Lake Apopka
Lake County
Orange County
Duda Road / Jones Avenue
St. Johns River Water Management District field station
North Shore Trailhead
LAT 28.704448
LONG -81.673086
Entrance
448A
Apopka-Beauclair Canal
Apopka-Beauclair Lock and Dam
48
Ranch Road
Astatula
561
LAT 28.69565
LONG -81.66705
1.0 mile
0.8 mile
0.8 mile
1.0 mile
LAT 28.686060
LONG -81.651160
4.7 miles
Historic pump house
LAT 28.667933
LONG -81.593843
Note: There is no equestrian use between the Magnolia Park Trailhead and the historic pump house.
4.0 miles
Entrance
Magnolia Park Trailhead
LAT 28.635581
LONG -81.550500
437
441
LAT 28.673913
LONG -81.681965
LAT 28.66204
LONG -81.66438
1.5 miles
LAT 28.674401
LONG -81.691975
1.8 miles
Clay Island trail loop (white blaze) — 5.8 miles
Ranch Road
Peebles Drive
Carolyn Lane
Entrance
Clay Island Trailhead
LAT 28.674312
LONG -81.707264
Proposed future trail
455
N

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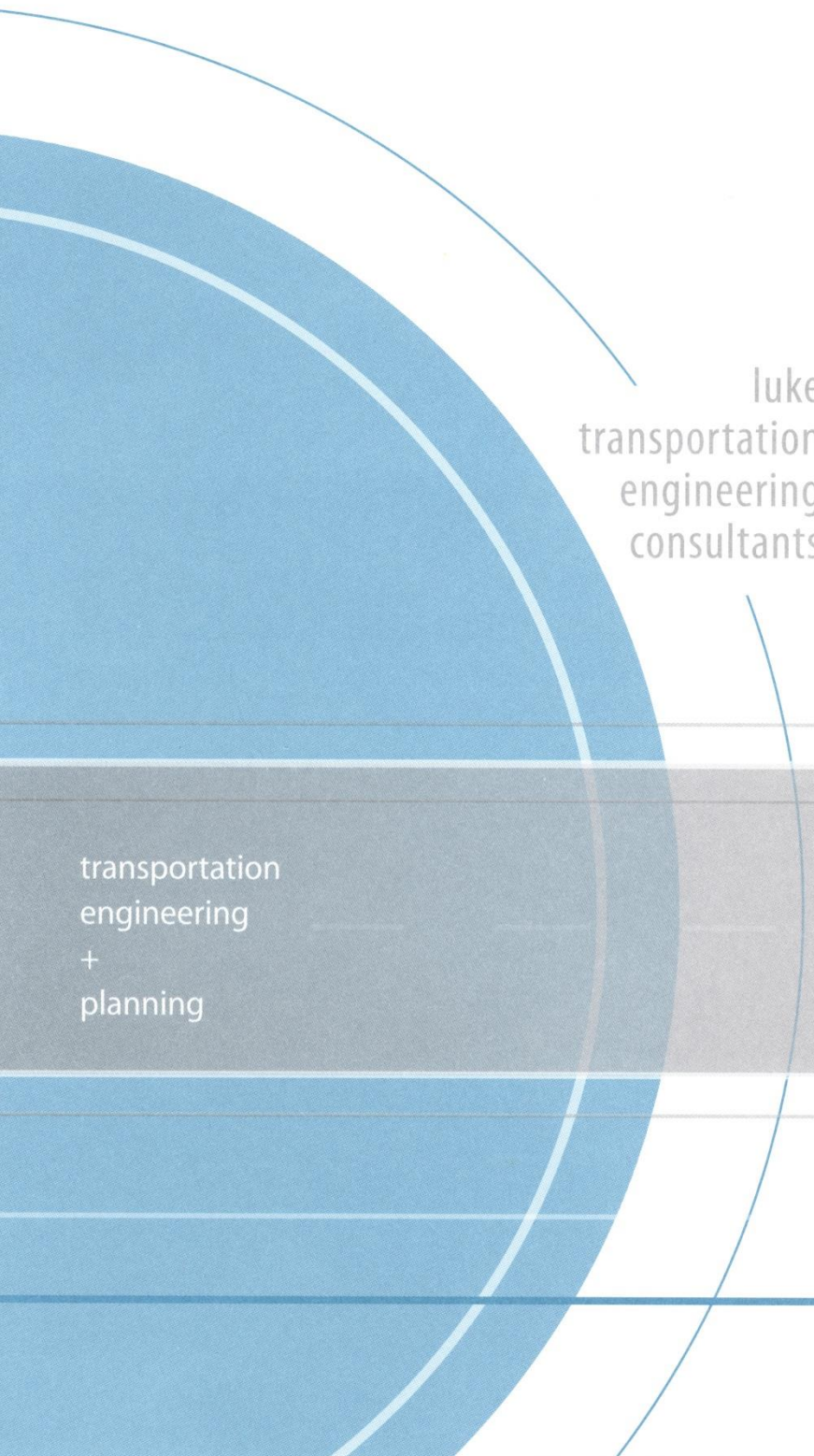

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BOY SCOUT ROAD FROM BINION ROAD TO OCOEE APOPKA ROAD
Project № 20045.09-02
February 2025

SPEED ZONE STUDY
ORANGE COUNTY
FLORIDA

Prepared for:

Newkirk Engineering
125 E Indiana Avenue, Suite E
Deland, Florida 32742

Prepared by:

3101 Maguire Boulevard, Suite 265
Orlando, Florida 32803
www.trafficmobility.com
(407) 531-5332

EXECUTIVE SUMMARY

Project Information

Limits:	Boy Scout Road from Binion Road to Ocoee Apopka Road
Jurisdiction:	City of Apopka, Florida
Description:	Speed Zone Study

Findings

Posted Speed Limit:	45 mph between Binion Road to Ocoee Apoka Road
Observed Speed:	50th percentile speed: 28 mph to 35 mph 85th percentile speed: 33 mph to 38 mph
Clear Zone:	Objects located within 5 feet to 25+ feet of travel lane Clear Zone requirements @ 45 mph – 24 feet Clear Zone requirements @ 35 mph – 14 feet
Existing Area Context:	C3R Suburban Class
Crash History:	Several incidents involving vehicles leaving the travel lane and left turn crash events. These crashes indicate an undesirable speed profile for the corridor.
Target Speed:	High growth area with urbanizing character, multiple approved residential and non-residential developments. A desirable and consistent speed limit throughout the corridor enhances safety, accessibility, and predictability for all users.

Recommendation

Reduce the posted speed limit on Boy Scout Road from Binion Road to Ocoee Apopka Road to 35 mph.

PROFESSIONAL ENGINEERING CERTIFICATION

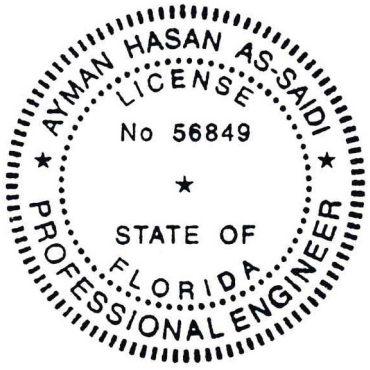
I hereby certify that I am a Professional Engineer properly registered in the State of Florida practicing with Traffic & Mobility Consultants LLC, a corporation authorized to operate as an engineering business, CA-30024, by the State of Florida Department of Professional Regulation, Board of Professional Engineers, and that I have prepared or approved the evaluations, findings, opinions, conclusions, or technical advice attached hereto for:

PROJECT: Boy Scout Road Speed Zone Study

LOCATION: City of Apopka, Florida

CLIENT: Newkirk Engineering, Inc.

I hereby acknowledge that the procedures and references used to develop the results contained in these computations are standard to the professional practice of Transportation Engineering as applied through professional judgment and experience.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

AYMAN H AS-SAIDI

Digitally signed by AYMAN H AS-SAIDI
Date: 2025.02.18 14:53:16 -05'00'

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TRAFFIC & MOBILITY CONSULTANTS LLC
3101 MAGUIRE BOULEVARD, SUITE 265
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION CA-30024
AYMAN H. AS-SAIDI, P.E. NO 56849

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Appendix B Clear Zone Requirements
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1.0 INTRODUCTION

This Speed Zone Study was performed to evaluate the speed limit on Boy Scout Road from Binion Road to Ocoee Apopka Road, located in City of Apopka based on existing and projected conditions of the corridor as it evolves from a rural area to an urbanizing area. The study was conducted in accordance with the guidelines and procedures outlined in the Florida Department of Transportation (FDOT) *Speed Zoning for Highways Manual, FDOT Context Classification Guide, Manual of Uniform Traffic Control Devices (MUTCD)* and standard engineering practice.

Ideally the design speed, target speed, and posted speed limit of a roadway segment are consistent and provide the motoring public with matching cues that result in drivers naturally traveling at the desired speed that is safe for the corridor. However, due to changing and evolving conditions, these speeds may be different from each other, resulting in inconsistent driver expectation about the preferred operating speed. In situations where the current design speed and target speed do not match, design, operational, and/or regulatory changes may be considered to bring the operating speed and posted speed into alignment with the target or desired speed ensuring the communicates its intended function more clearly to users.

The following analysis and review evaluate the existing and projected conditions on the Boy Scout Road corridor to provide a recommendation for the desired speed profile and regulatory speed limit for the study corridor.

2.0 CORRIDOR CHARACTERISTICS

2.1 Roadway Geometry

The Boy Scout Road study corridor is approximately 1.2-mile long and generally travels in the east-west direction. The annual average daily traffic along the corridor is approximately 2,500 vehicles according to the site counts collected for speed analysis. It is a 2-lane undivided roadway, with travel lanes between 10 to 12 feet wide, grass shoulders only on the south side of the roadway, and open swales for stormwater management. The roadway lanes are partially marked with outside lane pavement edge lines and double yellow centerline markings along the roadway. The roadway characteristics are consistent with typical non-urban roadways in the City of Apopka.

The roadway alignment has two (2) significant horizontal curves along the corridor. The first is located 600 feet east of Dawnridge Boulevard and is characterized by one (1) horizontal curve that turns the road south. The second is located at Galway Boulevard and is characterized by one (1) horizontal curve that turns the road east approximately 400 feet south of Galway Boulevard.

The vertical alignment of the roadway is rolling in the west with vertical curve, approximately 0.43 miles east of Binion Road. While specific sight distance limitations were not evaluated, the horizonal and vertical curves on the corridor generally have a restrictive effect on sight distance for vehicles entering and exiting the roadway.

The roadway's right-of-way varies throughout the corridor, ranging from approximately 55 feet to 65 feet, depending on location. **Figure 1** illustrates the corridor and existing characteristics.

2.2 Existing Speed Limit

The posted speed limit is 45 miles per hour (mph) on the corridor. There is an advisory 25 mph speed limit sign approaching the horizontal curve at the intersection of Stake Out Way. **Figure 1** illustrates the study corridor and the posted speed limits and advisory speeds along Boy Scout Road, as well as the speed counts site collection locations.


Not to Scale
N
Site 1
Site 2
Begin Corridor
End Corridor
STOP
STOP
25 MPH
SPEED LIMIT 45
Jackson St
Ravenhurst Pl
Dawnridge Blvd
Galway Blvd
Stake Out Way
Bronson Lake Dr
Binion Rd
Ocoee Apopka Rd
SR 414
Harmon Rd

2.3 Planned and Programmed Improvements

The *City of Apopka Capital Improvements Plan,* the *Central Florida Expressway Five-Year Work Plan,* the *Orange County Long-Range Transportation Plan (LRTP)*, the *Orange County 10 Year Roadway Transportation Plan*, and the *FDOT Five Year Work Program* were reviewed to determine if there are any planned and funded improvements along the study corridor. Central Florida Expressway has programmed a new half interchange at SR 429 and Binion Road that will include the re-alignment of the western end of Boy Scout Road to Binion Road where a roundabout will be installed to accommodate the new half interchange ramps.

2.4 Land Use Context

The ±1.2-mile corridor currently serves a mixture of land uses including individual large lot residential properties, residential subdivisions, mid-rise high-density apartments, and a few remaining commercial uses. The corridor's land uses are typical of a transitioning corridor that is undergoing redevelopment, becoming an urbanized area as the City of Apopka and Orange County continue to experience growth as evidenced by the summary information provided by the City of Apopka in **Appendix A**.

Currently, there is significant development construction that is ongoing along the study corridor. The most notable projects are listed in **Table 1** and shown in **Figure 2**. The corridor will soon have one (1) new roundabout at the west end at the Binion Road intersection, realigned to the south to accommodate the new half interchange with SR 429.

Table 1
Approved Development Projects

ID	Name	Land Use	Units
1	The Ridge PD	Warehouse/Office Buildings & Gas Station	106 KSF
2	Bronson Peak	Single Family/ Townhome Subdivision	268 DU
3	Bronson Ridge	Single Family/ Townhome Subdivision	313 DU

Resource: Apopka Development Projects - Last Updated 6/26/2024

ID	Name	Land Use	Units
1	The Ridge PD	Warehouse/Office Buildings & Gas Station	106 KSF
2	Bronson Peak	Single Family/ Townhome Subdivision	268 DU
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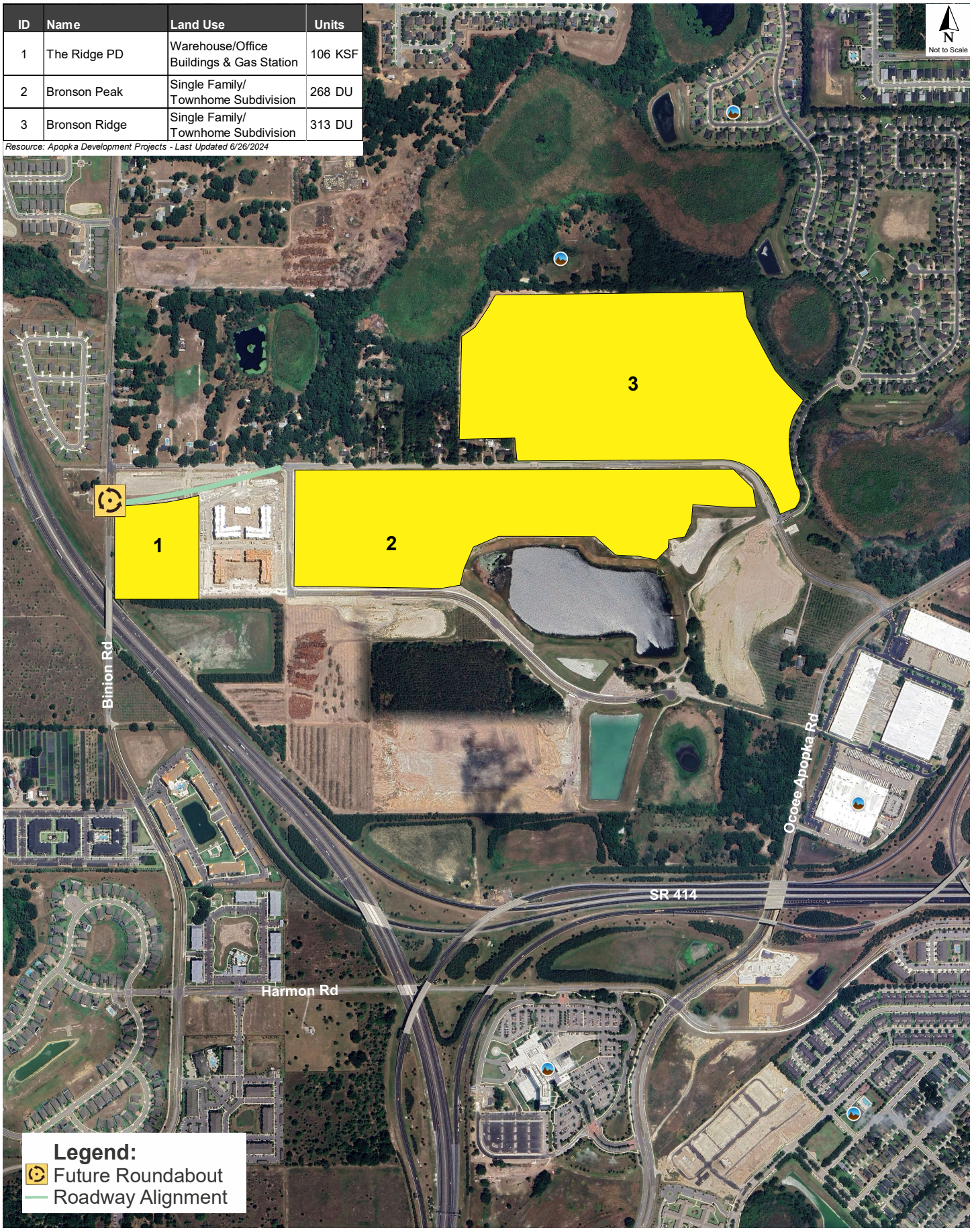
Resource: Apopka Development Projects - Last Updated 6/26/2024



2.5 Clear Zone

An analysis of the South Binion Road corridor highlights significant variability in the available clear zone, ranging from as little as 5 feet to over 25+ feet in different sections. The clear zone, which is the unobstructed area beyond the edge of the travel lane, is essential for allowing drivers to regain control of their vehicles in the event of a roadway departure. Its effectiveness is closely tied to the posted speed limit and roadway design, as higher speeds demand larger clear zones to mitigate crash severity. The Clear Zone Analysis of the corridor is as follows:

- **Binion Road to Stake Out Way**:
  Power lines are located between 5 and 25+ feet from the edge of the travel lanes in the eastbound direction. Additionally, sporadic obstacles such as trees and fences are present within 5 to 20 feet of the travel lanes on the westbound direction, potentially impacting driver safety.
- **Stake Out Way to Galway Boulevard:**
  Power lines are positioned between 12 and 25 feet from the edge of the travel lanes, and fences are present within 5 to 15 feet of the travel lanes on the eastbound direction. Additionally, pedestrian sidewalk presents within 7 to 15 feet of the travel lanes on the westbound direction. This segment shows no observed obstacles closer than 18 feet from the travel lanes, providing relatively better compliance with clear zone requirements.
- **Galway Boulevard to Ocoee Apopka Road**:
  Several obstacles, including trees and power poles, are situated as close as 4 feet from the travel lane. These obstructions pose a particularly high risk to road users.

According to *Table 215.2.1 in Section 215 of the Florida Design Manual (FDM)*, the required clear zone for a roadway with a design speed of 45 mph is 24 feet. By lowering the posted speed to align with the physical constraints of the roadway, the likelihood and severity of crashes involving roadside obstacles can be significantly mitigated. A lower speed profile also ensures a more predictable driving environment and reduces risks in areas where obstacles cannot be relocated. Incorporating clear zone evaluations into speed studies provides valuable insight for determining safe and appropriate speed limits. Aligning the posted speed with the available clear zone enhances roadway safety and ensures a consistent operating environment for all users. Further details regarding clear zone requirements, deficiencies, and measurements are provided in *Table 215.2.1*, included in **Appendix B**. This integrated approach supports safer roadway conditions while accommodating the evolving land use and traffic patterns along the corridor.

2.6 Historical Crash Data

Crash data was obtained from January 1, 2020, to December 10, 2024, from *Signal Four Analytics (S4A)* for the study corridor. The crash data and the crash heat map are included in **Appendix C.**

The historical crashes on Boy Scout Road reveal that a total of 19 crashes were reported during the five (5) year study period. The crashes were analyzed to determine the most prevalent crash types reported on the corridor. Based on the summary presented in **Table 2**, nearly 66% of the crashes on the corridor were either left turn or off road crashes.

Table 2
Crash Type Summary

Crash Type	2020	2021	2022	2023	2024*	Total	Percent
Angle	1	0	0	0	0	1	**5%**
Head On	1	0	0	0	0	1	**5%**
Left Turn	1	1	1	3	2	8	**42%**
Off Road	3	0	0	1	1	5	**26%**
Other	0	1	0	0	1	2	**11%**
Sideswipe	0	0	0	0	1	1	**5%**
Unknown	0	0	1	0	0	1	**5%**
Total	**6**	**2**	**2**	**4**	**5**	**19**	**100%**

** Data includes recorded crash reports through 12/10/2024*

Further review of the data indicates that six (6) of those crashes involved vehicles running into obstacles on the side of the road, further underscoring the correlation between the speed profile and the proximity of obstructions located within the clear zone.

Analysis of crash severity shows that 4 of the 19 crashes, or 21%, involved one or more injuries, as summarized in **Table 3**. A total of 43 suspected or reported injuries of varying severity occurred on the corridor during the study period.

Table 3
Crash Severity Summary

Crash Severity	2020	2021	2022	2023	2024*	Total	Percent
Fatal - K	0	0	0	0	0	0	0%
Incapacitating Injury - A	0	0	0	0	0	0	0%
Non-Incapacitating Injury - B	0	0	0	0	1	1	5%
Possible Injury - C	0	1	0	2	0	3	16%
Property Damage Only - O	6	1	2	2	4	15	79%
Total	**6**	**2**	**2**	**4**	**5**	**19**	**100%**

** Data includes recorded crash reports through 12/10/2024*

While excessive speed is not always directly cited as the cause of the crash, these crash types indicate a persistent issue with speeding that is causing vehicles to depart from the travel lanes or lose control and become involved in an accident in the corridor, which could be improved by reducing the speed profile on Boy Scout Road.

3.0 SPEED LIMIT EVALUATION

3.1 85th Percentile Speed

Vehicle speed data was collected on January 29, 2025, for a duration of 24 hours on Boy Scout Road between Binion Road and Ocoee-Apopka Road. The speed was measured at two (2) locations along the corridor to evaluate the effect of the various geometric conditions, including the vertical and horizontal curves on vehicle speed profiles. The volume, average speed, 85th percentile speed, 50th percentile, and 10-mile pace were evaluated for each count location. The 24-hour vehicle speed data at the two (2) observation stations is included in **Appendix D.**

The 85th percentile speed method takes the calculated 85th percentile speed, 10-mile pace, and speed limit reductions into consideration to determine the recommended posted speed limit, as outlined in the FDOT's *Speed Zoning Manual*. The recommended posted speed limit is determined by the lowest identified speed from the rounded 85th percentile speed and rounded upper limit of the 10-mile pace. The resulting speed recommendation may be reduced by up to 8 mph to account for roadway characteristics or desired target speeds based on land use context.

Therefore, for purposes of this review, adjustments of up to 8 mph were applied to reflect:

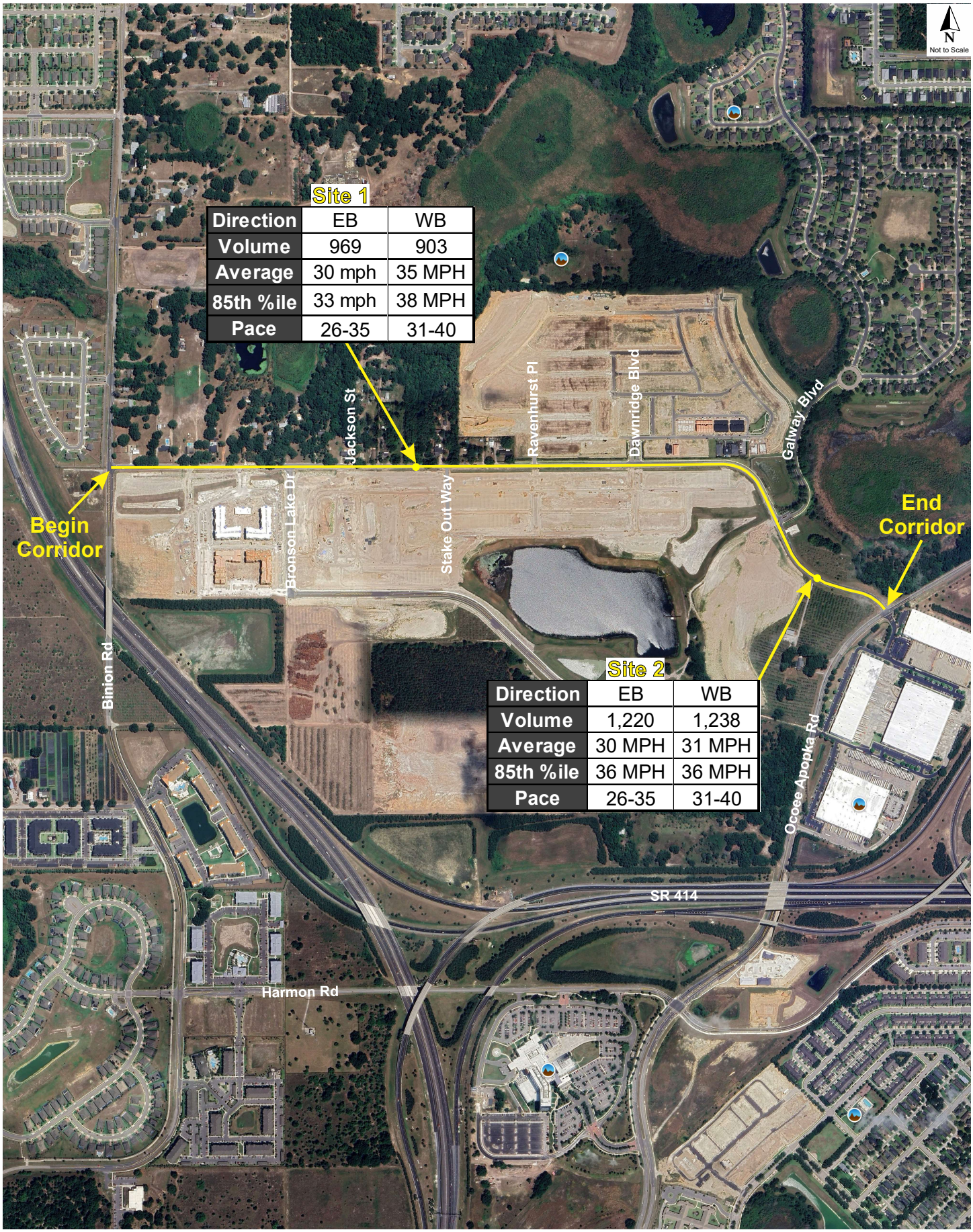
- Restricted clear zone.
- The roadway's horizontal and vertical alignment.
- The urbanizing land use context of the corridor.
- The anticipated access friction from new developments.

The final recommended speed was rounded to the nearest 5 mph increment to align with the prevailing speed profile and adjustments. The results of the speed data collection are provided in **Table 4**.

Table 4
Speed Study Summary

Station	Location	Direction	Volume	Speed 50th %ile	Speed 85th %ile	10-mph Pace	Speed Limt Observed	Adjustment	Adjusted
1	2,000 ft E. of Binion Rd	EB	969	28	33	26-35	33	3	30
		WB	903	35	38	31-40	38	3	35
2	600 ft W. of Ocoee Apopka Rd	EB	1,220	30	36	26-35	35	0	35
		WB	1,238	31	36	31-40	36	1	35

Based on the prevailing speed/85th percentile speed method, the recommended posted speed limit would be 35 mph. The prevailing speed data is also illustrated in **Figure 3**.


N
Not to Scale
Site 1
Direction EB WB
Volume 969 903
Average 30 mph 35 MPH
85th %ile 33 mph 38 MPH
Pace 26-35 31-40
Begin Corridor
End Corridor
Jackson St
Ravenhurst Pl
Dawnridge Blvd
Galway Blvd
Bronson Lake Dr
Stake Out Way
Binion Rd
Site 2
Direction EB WB
Volume 1,220 1,238
Average 30 MPH 31 MPH
85th %ile 36 MPH 36 MPH
Pace 26-35 31-40
Ocoee Apopka Rd
SR 414
Harmon Rd

3.2 Target Speed

Target speed is the highest speed at which vehicles should operate on a thoroughfare in a specific context. The target speed is influenced by elements of roadway design that are governed by design speed, as well as the form and function of the adjacent uses beyond the right-of-way. While the target speed is typically established with the design or redesign of a roadway facility, it is appropriate to also consider target speed for an evolving corridor in order to ensure that design elements and speed control measures are deployed in such a manner that is consistent with attaining the desired target speed on the corridor over time, as the facility and its surroundings undergo their evolution and change.

The target speed limit is based on the land use context classification provided in the *FDOT Design Manual (FDM) Table 200.4.1* and the allowable speed range is based on the *FDOT Context Classification Guide*, which is included in **Appendix E**. Based on the growth pattern outlined in previous sections, the Boy Scout Road corridor and the surrounding area have transitioned consistent with the characteristics of the C3R – Suburban Residential context classification. Per *Table 201.5.1* of the *FDOT Context Classification Guide*, the allowable design speed range is 35 mph to 55 mph.

Boy Scout Road is currently posted at a speed limit of 45 mph throughout the study corridor. Therefore, based on the information obtained from the evaluation of the conditions on the study corridor, it is appropriate to target a posted speed of 35 mph, which falls within the allowable range for the C3 context classification.

4.0 FINDINGS AND RECOMMENDATIONS

This Speed Study was conducted to determine the recommended target, design, and posted speed limit on Boy Scout Road from Binion Road to Ocoee Apopka Road. The key findings of the analysis are summarized below.

- **Roadway Characteristics:** The study corridor is a two-lane undivided facility with 11 to 12 feet wide lanes, partially paved and grass shoulders, and vertical and horizontal curves.
- **Posted Speed Limits**: The 1.2-mile study segment has a posted speed limit of 45 mph.
- **Clear Zone Deficiencies**: The corridor has power poles, fire hydrants, property fences, trees and other clear zone obstructions on the east and west sides of the roadway. The available clear zone ranges from 5 feet to over 25 feet and is less than the required 24 feet in several areas.
- **Crash History**: The historical crash profile on the corridor shows that 66% of the 19 reported crashes involve vehicles leaving the roadway or left turn crashes.
- **Development and Traffic Growth:** The area is experiencing significant growth, including approved and planned residential units and commercial development.
- **Prevailing Speeds**: Observations of prevailing speeds on the corridor indicate that currently the 85th percentile speeds range from 33 mph to 38 mph. Determining the appropriate speed limit using the prevailing speed and allowable adjustments indicates that the speed limit should be set 35 mph.
- **Land Use Context**: The appropriate land use context classification for the corridor as it transforms is C3R – Suburban Residential classification with a recommended speed limit range of 35 mph and 55 mph. Based on the geometric, traffic, safety, and land use profiles, a target speed limit of 35 mph is appropriate.

Recommendation:

Based on this review and in recognition of the evolving nature of the corridor and its surrounding areas, it is recommended that the posted speed limit on Boy Scout Road from Binion Road to Ocoee Apopka Road be reduced to 35 mph. This adjustment would better align with the context of the roadway, enhancing safety for all road users. Below are some key considerations:

Traffic Calming and Predictability: Reducing the posted speed to 35 mph will help create a consistent and predictable operating environment for drivers. This change will prevent abrupt speed variations, align with desired operating speeds, and reduce the likelihood of crashes caused by inconsistent speed profiles.

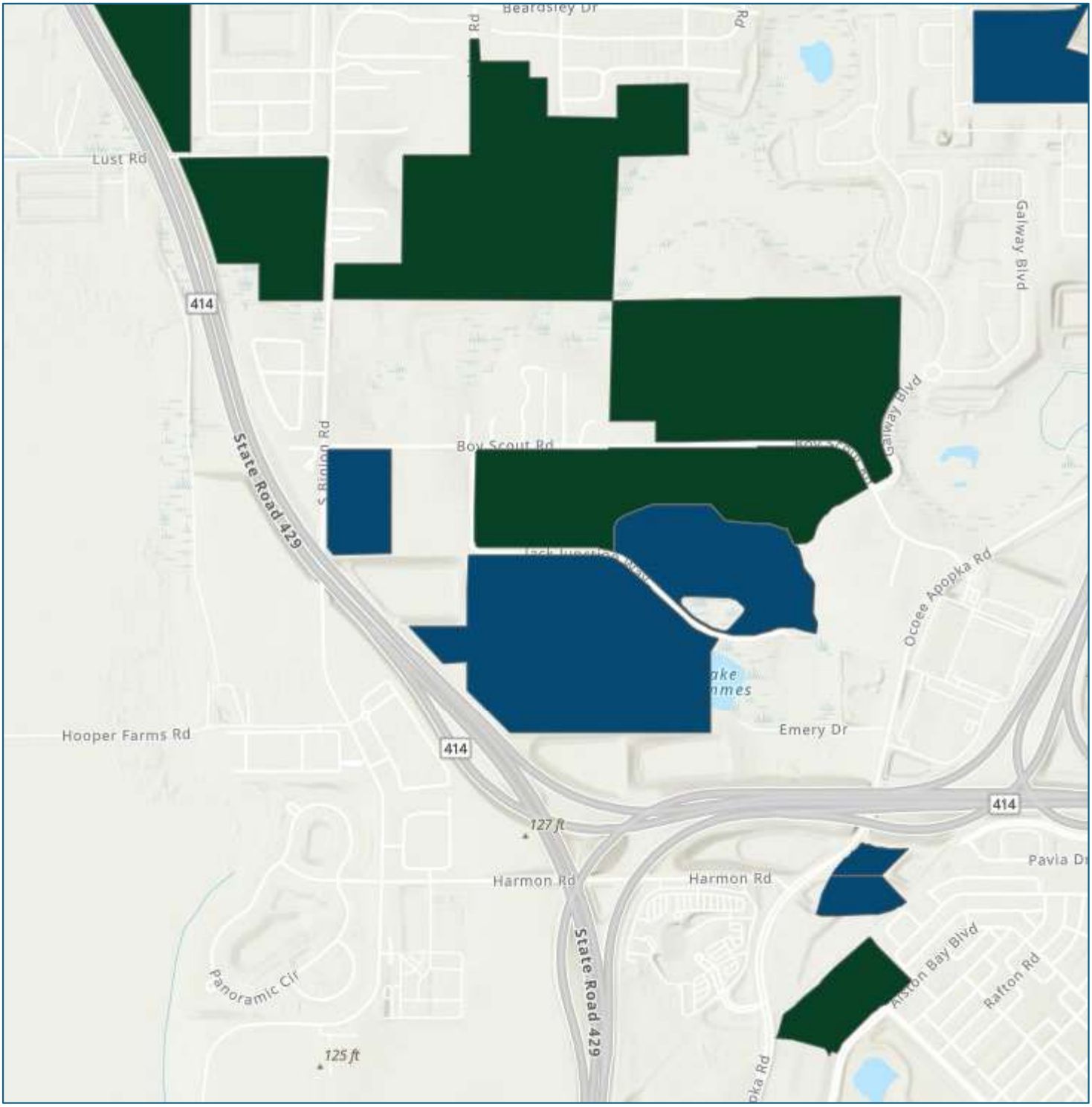
Future Growth and Proactive Measures: With increasing residential units and commercial developments approved or under construction, traffic volumes will continue to increase on the corridor. This proactive speed reduction will address operational and safety issues before they escalate due to heightened development pressure.

Enforcement and Monitoring: To ensure compliance with the new speed limit, the implementation of speed-monitoring technologies, such as dynamic speed feedback signs, and coordination with law enforcement agencies is recommended.

APPENDICES

Appendix A
Planned Development

Ocoee Apopka Road and Binion Road Corridors Developments



(THIS MAP IS FOR REFERENCE PURPOSES ONLY AND IS NOT TO SCALE)
December 2024

Source: https://apopka.maps/argis.com

Apopka Development Projects

Last updated: 6/26/2024	Total Area (Ac)	Total Dwelling Units:	Total DU Under Construction:	Total Non-Residential Sq Ft:	Total Non-Res. SF Under Construction:
	2331.00	7,668	5,859	9,001,300	5,235,014

ID	Project Name	Project Type	Acreage	Dwelling Units	Description	Non-Res. Sq. Ft.	Applicant Name	Applicant Email	Applicant #	Status	Address/Location
1	Avian Pointe	PD	128	758	480 MF Units / 222 TH Units / 56 SF Units	0	Frank Bombeeck	fb@mercury-advisors.com	813-321-1984	Construction	
2	Advent Health Industrial Complex	Site Plan	53.82	0	Industrial Park	455,387	Cameron Haumann	choumann@dwma.com	407-644-4068	Planned	
3	Hammock at Rock Springs	Subdivision Plan	9.59	19	Single Family Subdivision	0	Momtaz Barq	barqmm@terramaxinc.com	407-578-2763	Planned	
4	Fairfield Inn & Self-Storage	Site Plan	12	0	Hotel, Self Storage Facility	112,320	Chris Blurton	cblurton@interplanllc.com	407-645-5008	Construction	
5	Residences at Emerson Park	Subdivision Plan	24	103	Townhome Subdivision	0	Leah Fitzpatrick	lfitzpatrick@vhb.com	407-893-4728	Construction	
6	North Orange Animal Hospital	Site Plan	2.3	0	Veterinary Clinic	6,582	John Frith	jfrith@aol.com	407-363-0739	Planned	
7	West Apopka Medical Offices	Site Plan	1.3	0	Medical Offices	11,097	Robert Bliss	rblissmd@yahoo.com	407-595-2552	Construction	
8	Oak Point South	Subdivision Plan	69.38	238	118 SF Units / 120 TH Units	0	David Evans	permitting@evansengine.com	407-872-1515	Construction	
9	Winward Hills	Subdivision Plan	67.76	101	Single Family Subdivision	0	Luke Classon	lclasson@appianfl.com	407-960-5868	Construction	
10	Nottingham Subdivision	Subdivision Plan	23.4	46	Single Family Subdivision	0	Luke Classon	lclasson@appianfl.com	407-960-5868	Construction	
11	Ponkan Reserve	Subdivision Plan	7.47	14	Single Family Subdivision	0	Charles Hiott	chiott@besandh.com	352-343-8481	Planned	
12	Apopka Townhomes	Site Plan	2.23	24	Townhome Subdivision	0	Karin Leissing	karin@harriscivilengineers.com	407-629-4777	Planned	
13	Park View Preserve	Subdivision Plan	91.94	282	Single Family Subdivision	0	Geoff Summit	geoff@glseng.com	407-323-0705	Construction	
14	Faircloth Lakes	Subdivision Plan	25	31	Single Family Subdivision	0	Jim Fraser	jfraserpe@earthlink.net	407-719-6040	Planned	
15	Oaks at Kelly Park	Subdivision Plan	39	124	Single Family Subdivision	0	Geoff Summit	geoff@glseng.com	407-323-0705	Construction	
16	Meadowlark Landing	Subdivision Plan	41.85	200	Single Family & Townhome Subdivision	0	Geoff Summit	geoff@glseng.com	407-323-0705	Construction	
17	Golden Orchard Estates	Subdivision Plan	35.56	165	Single Family Subdivision	0	Geoff Summit	geoff@glseng.com	407-323-0705	Construction	
18	Oakview	Subdivision Plan	39.6	113	Single Family Subdivision	0	Ben Snyder	bsnyder@hcpland.com	407-988-1408	Construction	
19	Windrose	Subdivision Plan	56.51	202	Single Family & Townhome Subdivision	0	James Hoffman	jhoffman@vhb.com	407-893-4766	Construction	
20	Clarcona Office Warehouse	Site Plan	9.39	0	Warehouse/Office	96,000	Andrew Gerdom	andrewgerdom@yahoo.com	317-407-5337	Planned	
21	Crossroads 429	Site Plan	50.4	0	Industrial Park	280,437	George Stock	George.stock@stockassoc.com	636-530-9100	Construction	
22	Winding Meadows	Subdivision Plan	50.77	179	Single Family Subdivision	0	Aaron Struckmeyer	Aaron.Struckmeyer@Pultegroup.com	407-661-2201	Construction	
23	Harmon Center	Site Plan	2.93	0	Retail Plaza	24,990	DRDevelopment Investments, LLC	dower@arint.com	407-353-0333	Construction	
24	Emerson Point	PD	69.65	225	128 Townhomes, 97 SF Homes	0	Ricardo Diaz	rdiaz@mihomes.com	407-531-5176	Construction	
25	Northstar Logistics Center I	Site Plan	55.19	0	Industrial Park	737,634	Sam Sebaali	ssebaali@feg-inc.us	407-895-0324	Construction	
26	Jefferson Apts (FKA Ocoee-Apopka Road MF)	PD	21.56	304	Multifamily Apts.	0	Tad Dixon	tad@ftcommercial.net	321-594-6771	Construction	
27	Acuera Estates	Subdivision Plan	38.28	76	Single Family Subdivision	0	Cory Sitler	cory.sitler@kimley-horn.com	407-898-1511	Construction	
28	Laurel Oaks	Subdivision Plan	41.2	126	Single Family Subdivision	0	Brian Ashby	brian.ashby@kimley-horn.com	407-898-1511	Construction	
29	Gardenia Reserve	Subdivision Plan	20.27	141	Single Family Subdivision	0	Geoff Summit	geoff@glseng.com	407-323-0705	Construction	
30	Winding Meadows North	Master Plan	23.69	85	Single Family Subdivision	0	Luke Classon	lclassnp@appianfl.com	407-636-3226	Construction	
31	Willow Run	Subdivision Plan	56.67	110	Single Family Subdivision	0	Luke Classon	lclassnp@appianfl.com	407-636-3226	Planned	
32	Apopka City Center South	Site Plan	4.7	0	Commercial Development	28,040	Craig Govan	cgovan@aol.com	407-775-8559	Construction	
33	Summit Ridge	Subdivision Plan	7.59	21	Single Family Subdivision	230,868	Geoffrey Sumitt	geoff@glseng.com	407-323-0705	Construction	
34	451 Commerce Park	Site Plan	22.08	0	Warehouse/Office	961,810	George Stock	George.stock@stockassoc.com	636-530-9100	Planned	
35	1975 Apopka Commercial Building	Site Plan	3.748	0	Mechanic/Office	6,025	Solange Dao	solange@daoconsultants.com	407-898-6872	Construction	
36	3716 Hogshead Road	Site Plan	2.99	0	Industrial Building	30,080	Dave Schmitt	dsemailbox@dseorl.com	407-207-9088	Planned	
37	Apollo Village Townhomes	Subdivision Plan	1.13	10	Townhome Subdivision	0	Farid Tawill	tawillinc@aol.com	407-399-1161	Construction	
38	Alterna Logistics Park	Site Plan	70.64	0	Industrial Warehousing	574,000	Jason Lewis	jason.lewis@kimley-horn.com	863-701-8702	Construction	
39	Apopka Acorn Mixed Use Development	Site Plan	1.18	19	Mixed Use Site	28,020	Quang Lam	qlam@lamcivilengineering.com	407-234-8944	Planned	
40	Apopka Business Center	Site Plan	79.83	0	Industrial Park	710,073	Joseph Yannucci	jyannucci@langan.com	407-974-2900	Planned	
41	Crossroads (FKA DHI Kelly Park East)	Master Plan Amendment	15.27	300	Apartment Complex	0				Construction	
42	Crossroads at Kelly Park - Phase 3, Kelly Park South	MDP	45.93	409	Single Family Subdivision	0				Construction	
43	Kelly Industrial Park	MDP	104.18	0	Industrial Park	1697115	Sam Sebaali	ssebaali@feg-inc.us	407-895-0324	Construction	
44	Northstar Logistics Center II	MDP	26.49	0	Industrial Park	166648	Sam Sebaali	ssebaali@feg-inc.us	407-895-0324	Construction	
45	O2B Kids Apopka	Site Plan	2.01	0	Child Care Facility	11382	Walker Fain Owen	walkero@chw-inc.com	352-331-1976	Construction	
46	The Oaks at Monroe	CSP	5.74	86	Multifamily Apts.	198032	Kim Fischer	kim@cycorpengineers.com	407-405-7819	Planned	
47	Southwick Commons	CSP	10.11	192	Multifamily Apts.	370802	Rick Baldocchi	rbaldocchi@avconinc.com	407-599-1122	Construction	
48	True Coffee By Cannon	Site Plan	0.13	0	Coffee Shop	1312	Joe Rowley	Joerowley@juno.com	407-468-5347	Planned	
49	Wingspan/ABC Kelly Park	MDP	21.36	368	Multi-family Apartments/Commercial	45200	Lance Bennett	Planning@poulosandbennett.com	407-487-2594	Planned	
50	Park Avenue Medical Office	Site Plan	0.711	0	Medical Office	4602	Larry Poliner	larry@rceconsultants.net	407-452-8633	Planned	
51	Northwest Church	CSP	14.69	0	Church	23217	Sam Sebaali	ssebaali@feg-inc.us	407-895-0324	Planned	
52	Hanlex Professional Office	Site Plan	3.69	0	Office Building	18638	Jeremy Anderson	jnderson@commonoakengineering.co	407-951-5915	Completed	
53	Logistics 429 at Apopka Ridge	Site Plan	78.203	0	Industrial Park	722222	Mark Smiley	msmiley@smiley-associates.com	561-596-0562	Planned	
54	Acadia Health - Behavior Health Hospital	Site Plan	10.14	0	Hospital with 144 Beds	99497	Adam Crunk	adam@crunkeng.com	615-873-1795	Construction	
55	Fudge Road Industrial	Site Plan	7.03	0	Industrial Storage/Warehouse	16000	Geoffrey Summitt	geoff@glseng.com	407-343-0705	Construction	
56	Wolf Lake Ranch	Subdivision	31.49	61	Single Family Subdivision	0	Jimmy Palm	jpalm@appianfl.com	4079605868	Construction	
57	Be Climbing	CSP	6.63	0	Climbing Facility	30000	Laurence Poliner	larry@rceconsultants.net	407-452-8633	Planned	
58	Fire Station 6	CSP	5.518	0	Fire Station	8065	Tyler J. Malmborg	tylerm@newkirk-engineering.com	386-872-7794	Construction	
59	Hawthorne Business Center	CSP	2.45	0	Two Stand Alone Commercial Buildings	28000	Ken Ehlers	kehlers@comcast.com	407-448-3412	Construction	
60	Marshall Lake Business Center	CSP	6.42	0	Three Stand Alone Commercial Buildings	44700	Kenneth Ehlers	kehlers@comcast.com	407-448-3412	Planned	
61	Shoppes At East Shore Phase 1	CSP	28.02	0	Retail Plaza (Publix)	78200	Jordan Draper	jordan.draper@kimley-horn.com	407-412-7741	Construction	
62	Apopka Multi Family Project	CSP	1.81	24	Multi-Family Apts.	0	Dave Schmitt	dsemailbox@dseorl.com	407-207-9088	Planned	
63	Brunache Commerce Park	MDP	5.79	0	Offices/Industrial Warehouses	55,660	Mr. Tan Qu	sshea@csei-fl.com	407-644-6570	Planned	
64	Lux Carwash	CSP	2.22	0	Car Wash	6,053.49	Gregory Crawford	gcrawford@feg-inc.us	407-895-0324	Planned	
65	Shoppes at East Shore Multi Family	CSP	7.47	224	Multi-Family Apts.	0	Jordan Draper	jordan.draper@kimley-horn.com	407-898-1511	Planned	
66	SP-23-2 Tire Services Center - Apopka	MDP	1.18	0	Tire/Vehicle Service Center	6,952	Kyle Morel	fl-permits@bohlereng.com	813-812-4100	Planned	
67	SP-24-21 Keene Road Retail	MDP	18.8	0	Mixed Retail/Office	61,928	Bryan Potts	bpotts@tannathdesign.com	407-982-9878	Construction	
68	SP-24-39 The Ridge Parcel 8 Community Park	CSP	11.27	0	Community Park	0	James R. Hoffman	jhoffman@vhb.com	407-893-4766	Planned	
69	SP-24-6 Plymouth Sorrento Apartments	MDP	13.04	242	Mulit-Family Apts.	0	Sofia Sierra Gil	ssierragil@appianfl.com	407-960-5868	Planned	
70	SP-24-8 FCS Industries	CSP	4.28	0	Office/Mechanic Shop	24,000	Jose A. Rodriguez	jrodriguez@barriosengineering.com	407-286-2610	Planned	
71	SP-24-19 Dutch Bros FL 1202	CSP	0.793	0	Coffee Shop	950	Michael O Flora	mflora@sloaneng.com	863-800-3046	Construction	
72	The Ridge PD - Parcel 6C	MDP	13.23	0	Warehouse/Office Buildings & Gas Station	106,000	John Prowell	jprowell@vhb.com	407-893-4764	Planned	
73	Trinity Construction	CSP	2.37	0	Manufacturing.Assembly/Fabrication Building	20,558	David Clutts	dclutts@civilengsolutions.com	352-742-5011	Planned	
74	SP-24-40 Southwick Commons	Rev to CSP	12.84	192	Multi-Family Apts.	0	Aldo E. Mejias	amejias@avconinc.com	407-599-1122	Construction	
75	SP-24-42 Madison Oaks (MF-3)	CSP	12.07	325	Multi-Family Apts.	0	Kevin M. Roberson	kevin.roberson@kimley-horn.com	772-794-4035	Construction	
76	SP-24-45 Floridian Town Center Phase 1 Multi-Family	MDP	10.37	312	Multi-Family Apts.	0	John Townsend	jtownsend@dwma.com	407-644-4068	Planned	
77	Ponkan Oak Manor	CSP	9.956	19	Single Family Subdivision	0	Brad Donley	bdonley@newkirk-engineering.com	386-872-7794	Planned	
78	Eden Crest (AKA Lee Terrace/Magnolia Terrace)	CSP	95.09	300	Single Family/Townhome Subdivision	0	Ovidio S. Sanchez	osanchez@appianfl.com	407-960-5868	Construction	
79	Lo Family Trust Warehouse	Site Plan	19.43	0	Warehouse	66011	Brian Forster	bforster@landdesign.com	407-270-7800	Planned	
80	Bronson Peak	CSP	59.45	268	Single Family/Townhome Subdivision	0	John Prowell	jprowell@vhb.com	407-893-4764	Construction	
81	Bronson Ridge	CSP	79.57	313	Single Family/Townhome Subdivision	0	David Klawitter	dklawitter@vhb.com	407-893-4796	Construction	

82	Mid Florida South Logistics	CSP	70.71	0	Industrial Park	691,016	Dave Schmitt	dsemailbox@dseorl.com	407-207-9088	Construction	
83	Dunkin Donuts SP-24-54	CSP	0.795	0	Fast Food Drive Thru Restaurant	1,747	Gregory Crawford	gcrawford@feg-inc.us	407-895-0324	Planned	
84	1291 South Orange Blossom Trail	CSP	11.2	0	Office/Warehouse	103,449	Larry Poliner	larry@rceconsultants.net	407-452-8633	Planned	
85	INB Homes - Kelly Park Road	MDP	45.48	250	Subdivision	0	Brian Ashby	brian.ashby@kimley-horn.com	407-898-1511	Planned	
86	Plymouth Harbor SP-24-41	MDP	30.98	67	Subdivision	0	Geoffrey Summitt	geoff@glseng.com	407-323-0705	Planned	

Appendix B
Clear Zone Requirements

Figure 215.2.3 Adjusted Clear Zone Concept

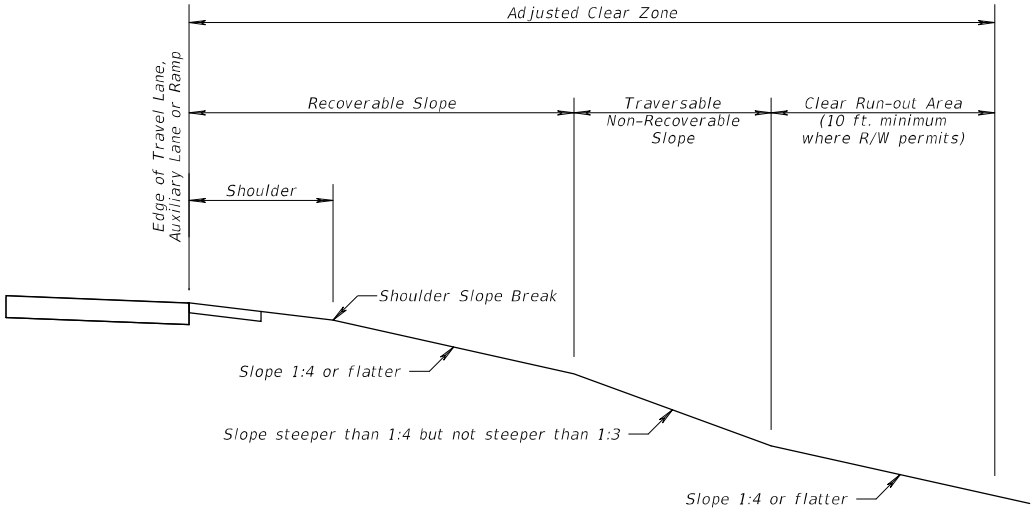


Table 215.2.1 Clear Zone Width Requirements

	Design Speed (mph)						
	≤ 30	35	40	45	50	55	≥ 60
Clear Zone Width for New Construction							
Travel Lanes & Multilane Ramps	12 feet	14 feet	18 feet	24 feet	24 feet	30 feet	36 feet
Auxiliary Lanes & Single Lane Ramps	10 feet	10 feet	10 feet	14 feet	14 feet	18 feet	24 feet
Clear Zone Width for RRR Projects							
Travel Lanes & Multilane Ramps	6 feet	6 feet	6 feet	14 feet	18 feet	18 feet	18 feet
Auxiliary Lanes & Single Lane Ramps	6 feet	6 feet	6 feet	8 feet	8 feet	8 feet	8 feet

Clear zone widths for work zones are provided in ***Standard Plans*, *Index 102-600***.

Table 215.2.2 Minimum Lateral Offset Criteria

Design Element		Curbed Roadways				High Speed Curbed and Flush Shoulder Roadway
		New Construction		RRR		
		Design Speed				
		25-35 mph	40-45 mph	25-35 mph	40-45 mph	
Light Poles	**Conventional**	Do not locate in Medians, except in conjunction with barriers that are justified for other reasons. See ***FDM 215.2.9***.				
		1.5 feet	4.0 feet	1.5 feet	1.5 feet	20 feet from Travel Lane, 14 feet from Auxiliary Lane, or Clear Zone width, whichever is less
	High Mast	Outside Clear Zone				
Signal Poles and Controller Cabinets		Do not locate in Medians. See ***FDM 215.2.9***.				
		1.5 feet	4.0 feet	1.5 feet	1.5 feet	Outside Clear Zone
Traffic Infraction Detectors		For placement and installation specifications, refer to the State Traffic Engineering and Operations Office web page: http://www.fdot.gov/traffic/				
ITS Poles and Related Items	**Pole & Other Aboveground Fixed Objects**	Do not locate in Medians, except in conjunction with barriers that are justified for other reasons. See ***FDM 215.2.9***.				
		1.5 feet	4.0 feet	1.5 feet	4.0 feet	Outside Clear Zone
	Equipment Shelters and Towers	Do not locate within the limited-access right of way, except as allowed by ***Policy No. 000-625-025***, ***Telecommunications Facilities on Limited Access Rights of Way***.				
	Breakaway Objects	1.5 feet	4.0 feet	1.5 feet	4.0 feet	As Close to R/W As Possible
Traffic Control Signs	**Single and Multi-Column**	Locate in accordance with Standard Plans.				
	Overhead Sign Structures	Outside Clear Zone				
Trees	**Where the diameter is or is expected to be > 4 inches measured 6 inches above the ground**	1.5 feet	4.0 feet	1.5 feet	1.5 feet	Outside Clear Zone
		RRR Projects: (1) Meet New Construction criteria for new plantings.				

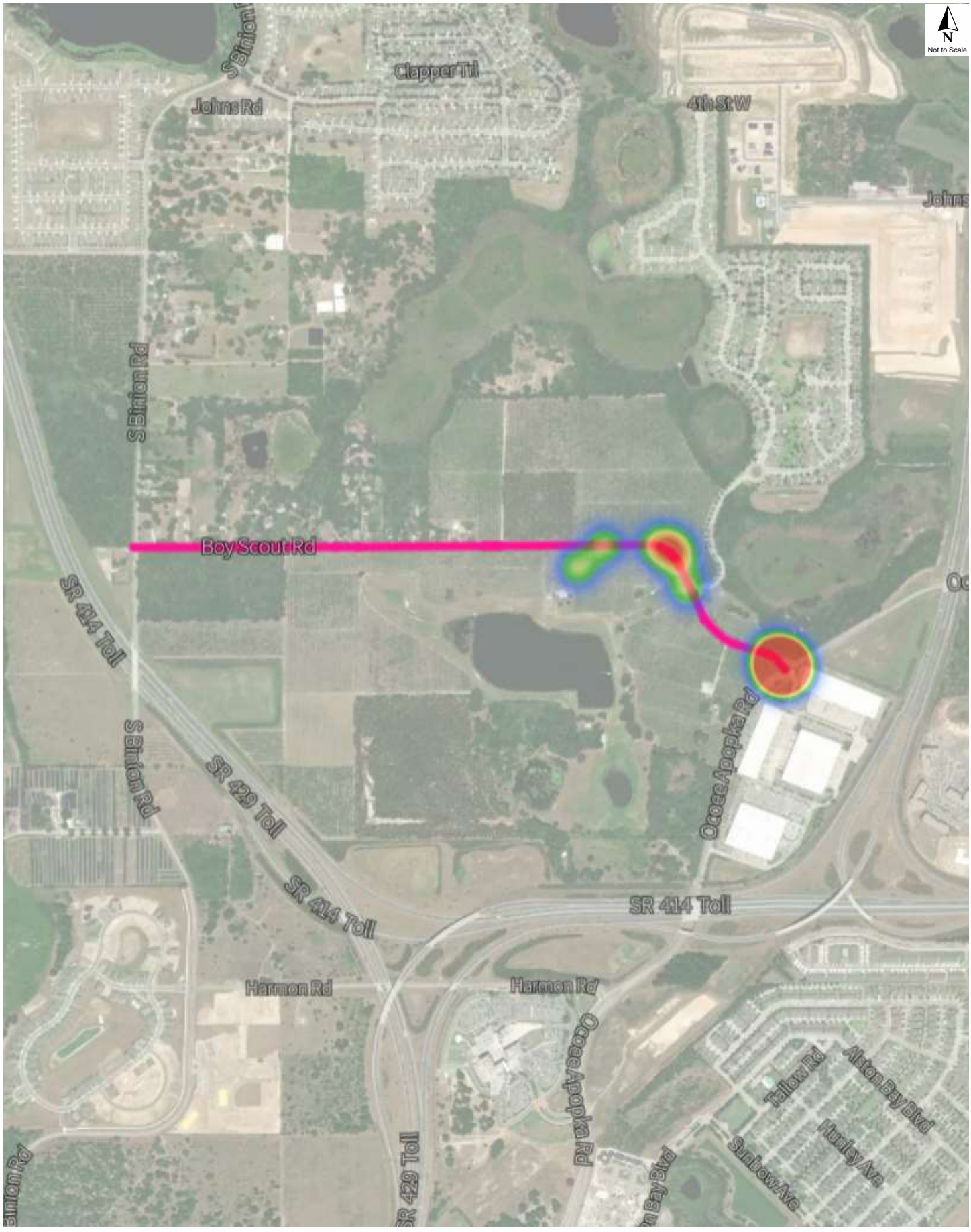
Table 215.2.2 Minimum Lateral Offset Criteria (cont.)

<table>
<tr><th colspan="2" rowspan="4">Design Element</th><th colspan="4">Curbed Roadways</th><th rowspan="4">High Speed Curbed and Flush Shoulder Roadway</th></tr>
<tr><th colspan="2">New Construction</th><th colspan="2">RRR</th></tr>
<tr><th colspan="4">Design Speed</th></tr>
<tr><th>25-35 mph</th><th>40-45 mph</th><th>25-35 mph</th><th>40-45 mph</th></tr>
<tr><td rowspan="3">Aboveground Utilities (See FDM 215.2.8)</td><td>Existing Utilities</td><td>1.5 feet</td><td>4.0 feet</td><td>1.5 feet</td><td>4.0 feet</td><td>Outside Clear Zone</td></tr>
<tr><td>New or Relocated Utilities</td><td colspan="4">4.0 feet</td><td>Outside Clear Zone</td></tr>
<tr><td colspan="6">RRR Projects:
Existing aboveground utilities are not required to be relocated unless one of the following applies:
• The edge of traveled way is being moved closer to the aboveground utility; e.g., addition of an auxiliary lane, or
• They have been hit 3 times in 5 years.</td></tr>
<tr><td colspan="2">Railroad Grade Crossing Traffic Control Device</td><td colspan="5">Locate in accordance with Standard Plans, Index 509-100 and Index 509-070</td></tr>
<tr><td colspan="2">Roadways Overpassing Railroads</td><td colspan="5">For Horizontal Clearances where roadways overpass railroads refer to FDM 220.</td></tr>
<tr><td colspan="2">Canal and Drop-off Hazards</td><td colspan="5">See FDM 215.3</td></tr>
<tr><td colspan="2">Bridge Piers and Abutments</td><td colspan="4">The greater of the following:
16 feet from Edge of Travel Lane; or
Outside: 4 feet from Face of Curb
Median: 6 feet from Edge of Traffic Lane
(See FDM 215.4.5.4 for Pier Protection criteria and Figures 210.12.3 & 210.12.4)</td><td>Outside Clear Zone</td></tr>
<tr><td colspan="2">Drainage Structures (e.g., wingwalls, endwalls, flared end sections)</td><td colspan="5">Refer to the FDOT Drainage Manual</td></tr>
<tr><td colspan="2">Mailboxes</td><td colspan="5">Locate in accordance with Standard Plans, Index 110-200</td></tr>
<tr><td colspan="2">Bus Benches and Transit Shelters</td><td colspan="5">Locate in accordance with Rule Chapter 14-20.003, Florida Administrative Code (F.A.C.).
Transit bus benches must be located in accordance with Rule Chapter 14-20.0032, F.A.C.</td></tr>
<tr><td colspan="2">Pedestrian Railing</td><td colspan="3">4.0 feet</td><td colspan="2">Outside Clear Zone</td></tr>
</table>

Appendix C
Crash Data

CRASH SUMMARY
Location: Boy Scout Road from Binion Road to Ocoee Apopka Road
Study Period Time: 1/1/2020 - 12/10/2024

REPORT NUMBER	DATE AND TIME	CRASH TYPE	INJURY	FATALITIES	VEHICLES	TOTAL DAMAGE	AREA TYPE	TYPE OF INTERSECTION	DAY/NIGHT	WEATHER CONDITION	ROAD SURFACE
89502205	1/23/2020 8:30	Off Road	No Injury	0	1	$7,000.00	Urban	Not at Intersection	Day	Clear	Dry
89502874	8/24/2020 6:00	Off Road	No Injury	0	1	$700.00	Urban	Not at Intersection	Night	Rain	Wet
89502815	8/3/2020 1:00	Off Road	No Injury	0	1	$0.00	Urban	Not at Intersection	Night	Clear	Dry
89502392	3/14/2020 15:16	Right Angle	No Injury	0	2	$0.00	Urban	Other	Day	Clear	Dry
89503135	11/4/2020 13:45	Head On	No Injury	0	2	$0.00	Urban	Not at Intersection	Day	Clear	Dry
89502462	4/10/2020 9:35	Left Entering	No Injury	0	2	$0.00	Urban	Not at Intersection	Day	Clear	Dry
89503326	1/1/2021 1:38	Single Vehicle	Injury	0	1	$0.00	Urban	Four-Way Intersection	Night	Clear	Dry
89504098	8/6/2021 14:37	Left Entering	No Injury	0	2	$0.00	Urban	Not at Intersection	Day	Clear	Dry
24737526	3/25/2022 19:35	Left Leaving	No Injury	0	2	$0.00	Urban	Not at Intersection	Night	Clear	Dry
24737335	2/4/2022 7:15	Unknown	No Injury	0	2	$0.00	Urban	T-Intersection	Day	Clear	Dry
24739215	5/22/2023 0:00	Off Road	Injury	0	1	$2,000.00	Urban	Not at Intersection	Night	Clear	Dry
24739263	6/2/2023 11:47	Left Entering	Injury	0	2	$0.00	Urban	Not at Intersection	Day	Clear	Dry
24739024	4/5/2023 6:25	Left Entering	No Injury	0	2	$0.00	Urban	Not at Intersection	Night	Clear	Dry
89504290	11/14/2023 14:48	Left Leaving	No Injury	0	2	$0.00	Urban	T-Intersection	Day	Clear	Dry
26683995	4/19/2024 13:12	Same Direction S	No Injury	0	2	$0.00	Urban	Four-Way Intersection	Day	Clear	Dry
26684569	9/7/2024 6:05	Off Road	Injury	0	1	$1,000.00	Urban	Not at Intersection	Night	Clear	Wet
26684946	12/4/2024 9:28	Backed Into	No Injury	0	2	$0.00	Urban	Not at Intersection	Day	Clear	Dry
89504820	3/16/2024 19:00	Left Leaving	No Injury	0	2	$0.00	Urban	Not at Intersection	Night	Clear	Dry
89504696	2/19/2024 15:48	Left Entering	No Injury	0	2	$0.00	Urban	Four-Way Intersection	Day	Clear	Dry


N
Not to Scale
Clapper Trl
Johns Rd
4th St W
S Binion Rd
Boy Scout Rd
SR 414 Toll
SR 429 Toll
Ocoee Apopka Rd
Harmon Rd
Tallow Rd
Alston Bay Blvd
Hurley Ave
Sunbow Ave

Appendix D
Speed Count Data

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 0000001
Station ID:

Latitude: 0' 0.0000 Undefined

W.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
01/29/25	0	0	0	0	0	1	0	0	0	0	0	0	0	1
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	0	0	0	0	1	2	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	0	0	1	2	0	0	0	0	0	0	0	3
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	1	0	0	0	0	1	0	0	0	0	0	0	0	2
	1	0	0	0	1	3	0	0	0	0	0	0	0	5
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:15	0	0	0	0	1	1	0	0	0	0	0	0	0	2
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	2	2	1	0	0	0	0	0	0	5
	0	0	0	0	3	4	1	0	0	0	0	0	0	8
03:00	0	0	0	2	1	0	0	0	0	0	0	0	0	3
03:15	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:30	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:45	0	0	0	0	0	4	0	0	0	0	0	0	0	4
	0	0	0	2	1	6	0	0	0	0	0	0	0	9
04:00	0	0	0	0	1	1	0	0	0	0	0	0	0	2
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	2	0	0	0	0	0	0	0	2
04:45	0	0	1	2	1	2	0	0	0	0	0	0	0	6
	0	0	1	2	2	5	0	0	0	0	0	0	0	10
05:00	0	0	0	0	1	1	0	0	0	0	0	0	0	2
05:15	0	0	0	0	3	2	0	0	0	0	0	0	0	5
05:30	0	0	0	0	1	2	0	0	0	0	0	0	0	3
05:45	0	0	0	1	1	5	0	0	0	0	0	0	0	7
	0	0	0	1	6	10	0	0	0	0	0	0	0	17
06:00	0	0	0	1	2	5	0	0	0	0	0	0	0	8
06:15	0	0	0	2	3	9	0	0	0	0	0	0	0	14
06:30	0	0	0	1	5	12	0	0	0	0	0	0	0	18
06:45	0	0	0	0	3	10	0	0	0	0	0	0	0	13
	0	0	0	4	13	36	0	0	0	0	0	0	0	53
07:00	0	0	1	0	4	8	1	0	0	0	0	0	0	14
07:15	0	0	0	0	5	12	1	0	0	0	0	0	0	18
07:30	1	0	0	0	8	10	0	0	0	0	0	0	0	19
07:45	0	0	0	0	3	3	0	0	0	0	0	0	0	6
	1	0	1	0	20	33	2	0	0	0	0	0	0	57
08:00	0	0	2	0	6	10	0	0	0	0	0	0	0	18
08:15	0	0	1	3	2	9	0	0	0	0	0	0	0	15
08:30	0	0	0	4	4	11	0	0	0	0	0	0	0	19
08:45	0	0	1	5	1	9	0	0	0	0	0	0	0	16
	0	0	4	12	13	39	0	0	0	0	0	0	0	68
09:00	0	1	0	4	2	6	0	0	0	0	0	0	0	13
09:15	0	0	0	3	3	8	0	0	0	0	0	0	0	14
09:30	0	0	0	1	6	9	0	0	0	0	0	0	0	16
09:45	0	0	0	2	3	9	0	0	0	0	0	0	0	14
	0	1	0	10	14	32	0	0	0	0	0	0	0	57
10:00	0	1	1	0	4	8	0	0	0	0	0	0	0	14
10:15	1	0	3	3	6	6	0	0	0	0	0	0	0	19
10:30	0	0	1	3	4	7	0	0	0	0	0	0	0	15
10:45	0	0	1	2	5	4	0	0	0	0	0	0	0	12
	1	1	6	8	19	25	0	0	0	0	0	0	0	60
11:00	0	0	1	4	9	4	0	0	0	0	0	0	0	18
11:15	0	0	0	2	1	8	0	0	0	0	0	0	0	11
11:30	0	0	0	3	7	6	0	0	0	0	0	0	0	16
11:45	0	0	0	0	7	5	0	0	0	0	0	0	0	12
	0	0	1	9	24	23	0	0	0	0	0	0	0	57
Total	3	2	13	48	117	218	3	0	0	0	0	0	0	404

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 0000001
Station ID:

Latitude: 0' 0.0000 Undefined

W.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
12 PM	0	0	0	0	2	9	0	0	0	0	0	0	0	11
12:15	0	0	0	0	4	10	0	0	0	0	0	0	0	14
12:30	0	0	0	4	3	9	1	0	0	0	0	0	0	17
12:45	0	0	1	1	2	10	0	0	0	0	0	0	0	14
	0	0	1	5	11	38	1	0	0	0	0	0	0	56
13:00	8	0	0	1	1	7	0	0	0	0	0	0	0	17
13:15	0	0	1	0	4	7	0	0	0	0	0	0	0	12
13:30	0	0	0	1	6	12	1	0	0	0	0	0	0	20
13:45	0	0	0	0	5	5	0	0	0	0	0	0	0	10
	8	0	1	2	16	31	1	0	0	0	0	0	0	59
14:00	0	0	0	1	5	9	0	0	0	0	0	0	0	15
14:15	0	0	0	1	0	6	0	0	0	0	0	0	0	7
14:30	0	0	1	0	5	7	0	0	0	0	0	0	0	13
14:45	1	0	1	1	6	6	0	0	0	0	0	0	0	15
	1	0	2	3	16	28	0	0	0	0	0	0	0	50
15:00	0	0	0	0	4	12	0	0	0	0	0	0	0	16
15:15	0	0	0	4	9	10	0	0	0	0	0	0	0	23
15:30	0	0	0	0	9	7	1	0	0	0	0	0	0	17
15:45	0	0	0	0	6	9	0	0	0	0	0	0	0	15
	0	0	0	4	28	38	1	0	0	0	0	0	0	71
16:00	0	0	0	2	1	8	0	0	0	0	0	0	0	11
16:15	0	0	0	1	2	11	0	0	0	0	0	0	0	14
16:30	0	0	0	0	8	8	0	0	0	0	0	0	0	16
16:45	4	2	1	7	3	3	0	0	0	0	0	0	0	20
	4	2	1	10	14	30	0	0	0	0	0	0	0	61
17:00	0	0	1	1	8	9	0	0	0	0	0	0	0	19
17:15	1	0	0	3	0	10	0	0	0	0	0	0	0	14
17:30	0	0	0	0	5	13	0	0	0	0	0	0	0	18
17:45	0	0	0	1	4	7	3	0	0	0	0	0	0	15
	1	0	1	5	17	39	3	0	0	0	0	0	0	66
18:00	0	0	0	0	2	8	0	0	0	0	0	0	0	10
18:15	0	0	0	0	9	6	0	0	0	0	0	0	0	15
18:30	0	0	0	0	4	6	0	0	0	0	0	0	0	10
18:45	0	0	0	0	2	1	0	0	0	0	0	0	0	3
	0	0	0	0	17	21	0	0	0	0	0	0	0	38
19:00	0	0	0	3	2	3	0	0	0	0	0	0	0	8
19:15	0	0	0	0	1	5	0	0	0	0	0	0	0	6
19:30	0	0	0	2	3	3	0	0	0	0	0	0	0	8
19:45	0	0	0	0	7	8	0	0	0	0	0	0	0	15
	0	0	0	5	13	19	0	0	0	0	0	0	0	37
20:00	0	0	0	3	4	3	0	0	0	0	0	0	0	10
20:15	0	0	0	0	1	4	0	0	0	0	0	0	0	5
20:30	0	0	2	1	2	4	0	0	0	0	0	0	0	9
20:45	0	0	0	0	2	3	1	0	0	0	0	0	0	6
	0	0	2	4	9	14	1	0	0	0	0	0	0	30
21:00	0	0	0	0	2	1	0	0	0	0	0	0	0	3
21:15	0	0	0	0	4	2	0	0	0	0	0	0	0	6
21:30	0	0	0	1	1	0	0	0	0	0	0	0	0	2
21:45	0	0	0	0	2	1	0	0	0	0	0	0	0	3
	0	0	0	1	9	4	0	0	0	0	0	0	0	14
22:00	0	0	0	3	1	0	0	0	0	0	0	0	0	4
22:15	0	0	0	0	2	1	1	0	0	0	0	0	0	4
22:30	0	0	0	0	2	1	0	0	0	0	0	0	0	3
22:45	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	0	0	0	3	5	4	1	0	0	0	0	0	0	13
23:00	0	0	0	0	0	2	0	0	0	0	0	0	0	2
23:15	0	0	0	0	0	0	1	0	0	0	0	0	0	1
23:30	0	0	0	0	0	1	0	0	0	0	0	0	0	1
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	3	1	0	0	0	0	0	0	4
Total	14	2	8	42	155	269	9	0	0	0	0	0	0	499
Total	17	4	21	90	272	487	12	0	0	0	0	0	0	903

	15th Percentile :	30 MPH
	50th Percentile :	35 MPH
	85th Percentile :	38 MPH
	95th Percentile :	39 MPH
Stats	Mean Speed(Average) :	35 MPH
	10 MPH Pace Speed :	31-40 MPH
	Number in Pace :	759
	Percent in Pace :	84.1%

Number of Vehicles > 25	MPH :	861
Percent of Vehicles > 25	MPH :	95.3%

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 0000001
Station ID:

Latitude: 0' 0.0000 Undefined

E.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
01/29/25	0	0	1	1	3	0	0	0	0	0	0	0	0	5
00:15	0	0	0	1	3	0	0	0	0	0	0	0	0	4
00:30	0	0	0	2	1	0	0	0	0	0	0	0	0	3
00:45	0	0	0	4	0	0	0	0	0	0	0	0	0	4
	0	0	1	8	7	0	0	0	0	0	0	0	0	16
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2
01:15	0	0	0	1	1	0	0	0	0	0	0	0	0	2
01:30	0	0	0	2	2	0	0	0	0	0	0	0	0	4
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	3	5	0	0	0	0	0	0	0	0	8
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:30	0	0	0	4	2	0	0	0	0	0	0	0	0	6
02:45	0	0	0	1	3	0	0	0	0	0	0	0	0	4
	0	0	0	7	5	0	0	0	0	0	0	0	0	12
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	3	1	0	0	0	0	0	0	0	0	4
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	3	1	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	0	0	0	0	2	0	0	0	0	0	0	0	0	2
04:30	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	3	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	4	0	0	0	0	0	0	0	0	4
05:15	0	0	0	3	3	1	0	0	0	0	0	0	0	7
05:30	0	0	0	1	1	0	0	0	0	0	0	0	0	2
05:45	0	0	0	5	3	0	0	0	0	0	0	0	0	8
	0	0	0	9	11	1	0	0	0	0	0	0	0	21
06:00	0	0	0	3	6	0	0	0	0	0	0	0	0	9
06:15	0	0	0	6	4	0	0	0	0	0	0	0	0	10
06:30	0	0	0	5	10	0	0	0	0	0	0	0	0	15
06:45	0	0	0	9	5	0	0	0	0	0	0	0	0	14
	0	0	0	23	25	0	0	0	0	0	0	0	0	48
07:00	0	0	0	7	9	0	0	0	0	0	0	0	0	16
07:15	0	0	0	6	6	0	0	0	0	0	0	0	0	12
07:30	0	0	0	11	6	0	0	0	0	0	0	0	0	17
07:45	0	0	1	15	1	0	0	0	0	0	0	0	0	17
	0	0	1	39	22	0	0	0	0	0	0	0	0	62
08:00	0	0	1	10	0	0	0	0	0	0	0	0	0	11
08:15	0	0	1	15	2	0	0	0	0	0	0	0	0	18
08:30	0	0	0	9	2	0	0	0	0	0	0	0	0	11
08:45	0	0	0	11	3	0	0	0	0	0	0	0	0	14
	0	0	2	45	7	0	0	0	0	0	0	0	0	54
09:00	0	0	0	10	3	0	0	0	0	0	0	0	0	13
09:15	0	0	0	8	4	0	0	0	0	0	0	0	0	12
09:30	0	0	0	9	2	0	0	0	0	0	0	0	0	11
09:45	0	0	0	5	2	0	0	0	0	0	0	0	0	7
	0	0	0	32	11	0	0	0	0	0	0	0	0	43
10:00	0	0	0	7	4	0	0	0	0	0	0	0	0	11
10:15	0	0	0	5	2	0	0	0	0	0	0	0	0	7
10:30	0	0	1	2	8	0	0	0	0	0	0	0	0	11
10:45	0	0	1	3	5	0	0	0	0	0	0	0	0	9
	0	0	2	17	19	0	0	0	0	0	0	0	0	38
11:00	0	0	1	6	5	0	0	0	0	0	0	0	0	12
11:15	0	0	0	4	7	0	0	0	0	0	0	0	0	11
11:30	0	0	0	8	5	0	0	0	0	0	0	0	0	13
11:45	0	0	0	2	3	0	0	0	0	0	0	0	0	5
	0	0	1	20	20	0	0	0	0	0	0	0	0	41
Total	0	0	7	206	136	1	0	0	0	0	0	0	0	350

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 0000001
Station ID:

Latitude: 0' 0.0000 Undefined

E.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
12 PM	0	0	0	6	5	0	0	0	0	0	0	0	0	11
12:15	0	0	0	8	2	0	0	0	0	0	0	0	0	10
12:30	0	0	0	5	4	0	0	0	0	0	0	0	0	9
12:45	0	0	0	7	7	0	0	0	0	0	0	0	0	14
	0	0	0	26	18	0	0	0	0	0	0	0	0	44
13:00	0	0	2	6	6	0	0	0	0	0	0	0	0	14
13:15	0	0	0	9	3	0	0	0	0	0	0	0	0	12
13:30	0	0	0	7	5	0	0	0	0	0	0	0	0	12
13:45	0	0	0	12	8	0	0	0	0	0	0	0	0	20
	0	0	2	34	22	0	0	0	0	0	0	0	0	58
14:00	0	0	0	14	2	0	0	0	0	0	0	0	0	16
14:15	0	0	0	11	5	0	0	0	0	0	0	0	0	16
14:30	0	0	0	15	2	0	0	0	0	0	0	0	0	17
14:45	0	0	0	19	3	0	0	0	0	0	0	0	0	22
	0	0	0	59	12	0	0	0	0	0	0	0	0	71
15:00	0	0	1	14	6	0	0	0	0	0	0	0	0	21
15:15	0	0	0	17	5	0	0	0	0	0	0	0	0	22
15:30	0	0	0	19	7	0	0	0	0	0	0	0	0	26
15:45	0	0	0	14	10	0	0	0	0	0	0	0	0	24
	0	0	1	64	28	0	0	0	0	0	0	0	0	93
16:00	0	0	1	15	5	0	0	0	0	0	0	0	0	21
16:15	0	0	1	12	2	0	0	0	0	0	0	0	0	15
16:30	0	0	1	10	3	0	0	0	0	0	0	0	0	14
16:45	0	0	5	18	6	0	0	0	0	0	0	0	0	29
	0	0	8	55	16	0	0	0	0	0	0	0	0	79
17:00	0	0	0	15	10	0	0	0	0	0	0	0	0	25
17:15	0	0	1	11	15	0	0	0	0	0	0	0	0	27
17:30	0	0	1	11	11	0	0	0	0	0	0	0	0	23
17:45	0	0	2	4	13	0	0	0	0	0	0	0	0	19
	0	0	4	41	49	0	0	0	0	0	0	0	0	94
18:00	0	0	2	5	10	0	0	0	0	0	0	0	0	17
18:15	0	0	0	8	11	0	0	0	0	0	0	0	0	19
18:30	0	0	0	5	9	0	0	0	0	0	0	0	0	14
18:45	0	0	1	2	10	0	0	0	0	0	0	0	0	13
	0	0	3	20	40	0	0	0	0	0	0	0	0	63
19:00	0	0	4	6	7	0	0	0	0	0	0	0	0	17
19:15	0	0	0	4	5	0	0	0	0	0	0	0	0	9
19:30	0	0	0	5	8	0	0	0	0	0	0	0	0	13
19:45	0	0	0	4	2	0	0	0	0	0	0	0	0	6
	0	0	4	19	22	0	0	0	0	0	0	0	0	45
20:00	0	0	0	1	6	0	0	0	0	0	0	0	0	7
20:15	0	0	1	4	3	0	0	0	0	0	0	0	0	8
20:30	0	0	0	4	2	0	0	0	0	0	0	0	0	6
20:45	0	0	2	6	4	0	0	0	0	0	0	0	0	12
	0	0	3	15	15	0	0	0	0	0	0	0	0	33
21:00	0	0	0	2	1	0	0	0	0	0	0	0	0	3
21:15	0	0	0	9	2	0	0	0	0	0	0	0	0	11
21:30	0	0	0	3	1	0	0	0	0	0	0	0	0	4
21:45	0	0	0	3	0	0	0	0	0	0	0	0	0	3
	0	0	0	17	4	0	0	0	0	0	0	0	0	21
22:00	0	0	0	5	0	0	0	0	0	0	0	0	0	5
22:15	0	0	0	1	1	0	0	0	0	0	0	0	0	2
22:30	0	0	0	3	0	0	0	0	0	0	0	0	0	3
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	9	1	0	0	0	0	0	0	0	0	10
23:00	0	0	0	3	2	0	0	0	0	0	0	0	0	5
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	2	1	0	0	0	0	0	0	0	0	3
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	5	3	0	0	0	0	0	0	0	0	8
Total	0	0	25	364	230	0	0	0	0	0	0	0	0	619
Total	0	0	32	570	366	1	0	0	0	0	0	0	0	969

	15th Percentile :	25 MPH
	50th Percentile :	28 MPH
	85th Percentile :	33 MPH
	95th Percentile :	34 MPH
Stats	Mean Speed(Average) :	30 MPH
	10 MPH Pace Speed :	26-35 MPH
	Number in Pace :	936
	Percent in Pace :	96.6%

Number of Vehicles > 25	MPH :	937
Percent of Vehicles > 25	MPH :	96.7%

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 000002
Station ID:

Latitude: 0' 0.0000 Undefined

E.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
01/29/25	0	0	0	2	2	1	0	0	0	0	0	0	0	5
00:15	0	0	2	0	0	1	0	0	0	0	0	0	0	3
00:30	0	0	0	2	2	0	1	0	0	0	0	0	0	5
00:45	0	0	0	1	1	0	0	0	0	0	0	0	0	2
	0	0	2	5	5	2	1	0	0	0	0	0	0	15
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:15	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:30	0	1	0	2	1	0	0	0	0	0	0	0	0	4
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	2	3	1	0	0	0	0	0	0	0	0	7
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:15	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:30	0	0	0	3	0	1	0	0	0	0	0	0	0	4
02:45	0	1	1	3	0	0	0	0	0	0	0	0	0	5
	0	1	2	8	0	1	0	0	0	0	0	0	0	12
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:15	0	0	5	2	0	0	0	0	0	0	0	0	0	7
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	2	0	0	0	0	0	0	0	0	2
	0	0	6	2	2	0	0	0	0	0	0	0	0	10
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:45	0	0	0	3	1	0	0	0	0	0	0	0	0	4
	0	0	0	5	1	0	0	0	0	0	0	0	0	6
05:00	0	1	2	0	2	0	0	0	0	0	0	0	0	5
05:15	0	0	1	4	1	1	1	0	0	0	0	0	0	8
05:30	0	2	0	6	1	1	0	0	0	0	0	0	0	10
05:45	0	0	3	7	3	0	0	0	0	0	0	0	0	13
	0	3	6	17	7	2	1	0	0	0	0	0	0	36
06:00	0	0	5	8	1	0	0	0	0	0	0	0	0	14
06:15	0	0	2	4	3	1	0	0	0	0	0	0	0	10
06:30	0	3	9	8	5	0	0	0	0	0	0	0	0	25
06:45	0	0	9	1	8	0	0	0	0	0	0	0	0	18
	0	3	25	21	17	1	0	0	0	0	0	0	0	67
07:00	0	0	7	1	17	0	0	0	0	0	0	0	0	25
07:15	0	0	7	7	10	1	0	0	0	0	0	0	0	25
07:30	0	1	9	3	10	2	0	0	0	0	0	0	0	25
07:45	0	0	1	10	10	1	0	0	0	0	0	0	0	22
	0	1	24	21	47	4	0	0	0	0	0	0	0	97
08:00	0	0	5	11	3	0	0	0	0	0	0	0	0	19
08:15	0	0	5	8	15	0	1	0	0	0	0	0	0	29
08:30	0	0	12	2	17	4	1	0	0	0	0	0	0	36
08:45	0	0	3	8	9	6	0	0	0	0	0	0	0	26
	0	0	25	29	44	10	2	0	0	0	0	0	0	110
09:00	0	0	3	5	4	2	0	0	0	0	0	0	0	14
09:15	0	0	1	3	10	6	1	0	0	0	0	0	0	21
09:30	0	0	2	4	6	3	1	0	0	0	0	0	0	16
09:45	0	1	4	4	6	4	0	0	0	0	0	0	0	19
	0	1	10	16	26	15	2	0	0	0	0	0	0	70
10:00	0	0	4	4	6	4	0	0	0	0	0	0	0	18
10:15	0	0	1	0	7	3	0	0	0	0	0	0	0	11
10:30	0	0	2	2	7	2	0	0	0	0	0	0	0	13
10:45	0	0	0	8	8	6	0	0	0	0	0	0	0	22
	0	0	7	14	28	15	0	0	0	0	0	0	0	64
11:00	0	0	4	2	4	2	0	0	0	0	0	0	0	12
11:15	0	0	1	8	5	4	0	0	0	0	0	0	0	18
11:30	0	0	2	4	3	5	0	0	0	0	0	0	0	14
11:45	0	1	0	8	7	3	0	0	0	0	0	0	0	19
	0	1	7	22	19	14	0	0	0	0	0	0	0	63
Total	0	11	116	163	197	64	6	0	0	0	0	0	0	557

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 000002
Station ID:

Latitude: 0' 0.0000 Undefined

E.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
12 PM	0	0	0	6	11	1	0	0	0	0	0	0	0	18
12:15	0	1	0	8	8	5	0	0	0	0	0	0	0	22
12:30	0	1	2	2	8	5	0	0	0	0	0	0	0	18
12:45	0	1	2	7	4	4	0	0	0	0	0	0	0	18
	0	3	4	23	31	15	0	0	0	0	0	0	0	76
13:00	0	0	3	0	5	5	1	0	0	0	0	0	0	14
13:15	0	0	2	6	1	5	1	0	0	0	0	0	0	15
13:30	0	0	1	5	9	1	0	0	0	0	0	0	0	16
13:45	0	0	0	4	4	6	1	0	0	0	0	0	0	15
	0	0	6	15	19	17	3	0	0	0	0	0	0	60
14:00	0	0	1	4	3	6	0	0	0	0	0	0	0	14
14:15	1	1	5	8	1	2	0	0	0	0	0	0	0	18
14:30	0	0	1	3	1	4	1	0	0	0	0	0	0	10
14:45	0	2	2	6	3	11	1	0	0	0	0	0	0	25
	1	3	9	21	8	23	2	0	0	0	0	0	0	67
15:00	0	0	1	6	5	2	1	0	0	0	0	0	0	15
15:15	0	0	1	5	5	8	0	0	0	0	0	0	0	19
15:30	0	0	3	4	10	4	0	0	0	0	0	0	0	21
15:45	0	0	0	4	5	6	0	0	0	0	0	0	0	15
	0	0	5	19	25	20	1	0	0	0	0	0	0	70
16:00	0	0	2	3	4	9	1	0	0	0	0	0	0	19
16:15	0	0	0	4	6	2	2	0	0	0	0	0	0	14
16:30	0	0	2	4	5	6	2	0	0	0	0	0	0	19
16:45	0	0	3	6	2	4	2	0	0	0	0	0	0	17
	0	0	7	17	17	21	7	0	0	0	0	0	0	69
17:00	0	0	5	8	7	9	0	0	0	0	0	0	0	29
17:15	0	0	1	3	1	12	0	0	0	0	0	0	0	17
17:30	0	0	0	9	9	4	0	0	0	0	0	0	0	22
17:45	0	0	0	3	12	8	0	0	0	0	0	0	0	23
	0	0	6	23	29	33	0	0	0	0	0	0	0	91
18:00	0	0	3	5	5	6	0	0	0	0	0	0	0	19
18:15	0	2	3	2	1	0	0	0	0	0	0	0	0	8
18:30	0	0	5	8	2	0	0	0	0	0	0	0	0	15
18:45	0	1	7	12	3	0	0	0	0	0	0	0	0	23
	0	3	18	27	11	6	0	0	0	0	0	0	0	65
19:00	0	0	7	7	1	0	0	0	0	0	0	0	0	15
19:15	0	0	8	4	4	0	0	0	0	0	0	0	0	16
19:30	0	0	6	5	1	0	0	0	0	0	0	0	0	12
19:45	0	0	7	2	4	0	0	0	0	0	0	0	0	13
	0	0	28	18	10	0	0	0	0	0	0	0	0	56
20:00	0	0	3	1	3	0	0	0	0	0	0	0	0	7
20:15	0	0	3	3	5	0	0	0	0	0	0	0	0	11
20:30	0	0	5	1	4	0	0	0	0	0	0	0	0	10
20:45	0	4	5	0	4	0	1	0	0	0	0	0	0	14
	0	4	16	5	16	0	1	0	0	0	0	0	0	42
21:00	0	0	0	2	4	0	0	0	0	0	0	0	0	6
21:15	0	1	5	1	3	0	0	0	0	0	0	0	0	10
21:30	0	0	6	1	0	0	0	0	0	0	0	0	0	7
21:45	0	1	1	0	2	0	0	0	0	0	0	0	0	4
	0	2	12	4	9	0	0	0	0	0	0	0	0	27
22:00	0	1	0	2	2	0	0	0	0	0	0	0	0	5
22:15	0	0	2	2	2	0	0	0	0	0	0	0	0	6
22:30	0	0	1	0	4	1	0	0	0	0	0	0	0	6
22:45	0	0	0	1	3	2	0	0	0	0	0	0	0	6
	0	1	3	5	11	3	0	0	0	0	0	0	0	23
23:00	0	0	0	0	2	3	0	0	0	0	0	0	0	5
23:15	0	0	2	1	1	0	0	0	0	0	0	0	0	4
23:30	0	0	3	1	2	0	0	0	0	0	0	0	0	6
23:45	0	0	0	0	1	1	0	0	0	0	0	0	0	2
	0	0	5	2	6	4	0	0	0	0	0	0	0	17
Total	1	16	119	179	192	142	14	0	0	0	0	0	0	663
Total	1	27	235	342	389	206	20	0	0	0	0	0	0	1220

	15th Percentile :	23 MPH
	50th Percentile :	30 MPH
	85th Percentile :	36 MPH
	95th Percentile :	39 MPH
Stats	Mean Speed(Average) :	30 MPH
	10 MPH Pace Speed :	26-35 MPH
	Number in Pace :	731
	Percent in Pace :	59.9%

Number of Vehicles > 25	MPH :	957
Percent of Vehicles > 25	MPH :	78.4%

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 000002
Station ID:

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W.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
01/29/25	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:15	0	0	0	0	1	0	0	0	0	0	0	0	0	1
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	0	0	0	1	2	1	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	2	0	0	0	0	0	0	0	0	2
01:45	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	0	0	1	0	3	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:15	0	0	0	2	0	1	0	0	0	0	0	0	0	3
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	1	1	3	2	0	0	0	0	0	0	0	7
	0	0	1	3	4	3	0	0	0	0	0	0	0	11
03:00	0	0	0	0	1	1	0	0	0	0	0	0	0	2
03:15	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:30	0	0	0	0	0	2	0	0	0	0	0	0	0	2
03:45	0	0	0	1	2	1	0	0	0	0	0	0	0	4
	0	0	0	2	3	4	0	0	0	0	0	0	0	9
04:00	0	0	0	1	2	0	0	0	0	0	0	0	0	3
04:15	0	0	0	0	2	0	0	0	0	0	0	0	0	2
04:30	0	0	0	1	1	2	0	0	0	0	0	0	0	4
04:45	0	0	0	2	1	3	0	0	0	0	0	0	0	6
	0	0	0	4	6	5	0	0	0	0	0	0	0	15
05:00	0	0	0	2	5	2	0	0	0	0	0	0	0	9
05:15	0	0	2	4	5	3	0	0	0	0	0	0	0	14
05:30	0	0	2	2	7	5	0	0	0	0	0	0	0	16
05:45	0	1	1	5	6	3	0	0	0	0	0	0	0	16
	0	1	5	13	23	13	0	0	0	0	0	0	0	55
06:00	0	0	8	5	8	5	0	0	0	0	0	0	0	26
06:15	0	0	1	5	10	9	0	0	0	0	0	0	0	25
06:30	0	1	7	8	12	9	0	0	0	0	0	0	0	37
06:45	0	1	0	1	8	1	0	0	0	0	0	0	0	11
	0	2	16	19	38	24	0	0	0	0	0	0	0	99
07:00	0	0	1	1	7	3	0	0	0	0	0	0	0	12
07:15	0	1	3	2	7	5	0	0	0	0	0	0	0	18
07:30	0	1	7	2	17	7	0	0	0	0	0	0	0	34
07:45	3	1	5	10	16	7	0	0	0	0	0	0	0	42
	3	3	16	15	47	22	0	0	0	0	0	0	0	106
08:00	0	1	2	14	4	12	0	0	0	0	0	0	0	33
08:15	0	0	8	5	1	8	0	0	0	0	0	0	0	22
08:30	0	1	2	8	6	8	0	0	0	0	0	0	0	25
08:45	0	2	2	8	5	7	0	0	0	0	0	0	0	24
	0	4	14	35	16	35	0	0	0	0	0	0	0	104
09:00	0	0	4	8	9	2	0	0	0	0	0	0	0	23
09:15	0	0	0	6	4	2	0	0	0	0	0	0	0	12
09:30	0	0	1	3	8	1	0	0	0	0	0	0	0	13
09:45	0	0	4	2	4	2	0	0	0	0	0	0	0	12
	0	0	9	19	25	7	0	0	0	0	0	0	0	60
10:00	0	0	1	5	6	3	0	0	0	0	0	0	0	15
10:15	0	0	2	7	5	4	0	0	0	0	0	0	0	18
10:30	0	0	0	5	5	4	0	0	0	0	0	0	0	14
10:45	0	0	2	3	5	2	0	0	0	0	0	0	0	12
	0	0	5	20	21	13	0	0	0	0	0	0	0	59
11:00	1	0	2	0	5	1	0	0	0	0	0	0	0	9
11:15	0	2	5	1	8	1	0	0	0	0	0	0	0	17
11:30	0	1	2	3	12	2	0	0	0	0	0	0	0	20
11:45	1	0	5	3	3	4	0	0	0	0	0	0	0	16
	2	3	14	7	28	8	0	0	0	0	0	0	0	62
Total	5	13	81	138	216	135	0	0	0	0	0	0	0	588

ADT Traffic Services
3894 Percival Rd
Orlando, FL 32826

Site Code: 000002
Station ID:

Latitude: 0' 0.0000 Undefined

W.B

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 9999	Total
12 PM	0	0	2	3	3	4	0	0	0	0	0	0	0	12
12:15	0	0	0	2	5	4	0	0	0	0	0	0	0	11
12:30	0	0	1	3	5	4	0	0	0	0	0	0	0	13
12:45	0	0	1	8	3	7	0	0	0	0	0	0	0	19
	0	0	4	16	16	19	0	0	0	0	0	0	0	55
13:00	0	2	0	7	4	6	0	0	0	0	0	0	0	19
13:15	0	0	2	1	6	5	0	0	0	0	0	0	0	14
13:30	0	1	2	9	7	8	0	0	0	0	0	0	0	27
13:45	0	0	3	6	7	3	0	0	0	0	0	0	0	19
	0	3	7	23	24	22	0	0	0	0	0	0	0	79
14:00	2	1	2	1	9	4	0	0	0	0	0	0	0	19
14:15	0	1	2	0	7	0	0	0	0	0	0	0	0	10
14:30	0	1	2	5	9	3	0	0	0	0	0	0	0	20
14:45	0	1	5	2	7	6	0	0	0	0	0	0	0	21
	2	4	11	8	32	13	0	0	0	0	0	0	0	70
15:00	0	0	0	4	3	3	0	0	0	0	0	0	0	10
15:15	0	2	5	3	9	9	0	0	0	0	0	0	0	28
15:30	0	0	0	0	8	8	0	0	0	0	0	0	0	16
15:45	0	1	3	2	4	5	0	0	0	0	0	0	0	15
	0	3	8	9	24	25	0	0	0	0	0	0	0	69
16:00	0	0	0	2	6	7	0	0	0	0	0	0	0	15
16:15	0	0	3	3	13	6	0	0	0	0	0	0	0	25
16:30	0	1	3	2	5	2	0	0	0	0	0	0	0	13
16:45	1	2	1	4	5	2	0	0	0	0	0	0	0	15
	1	3	7	11	29	17	0	0	0	0	0	0	0	68
17:00	0	3	4	6	8	6	0	0	0	0	0	0	0	27
17:15	0	1	6	1	8	4	0	0	0	0	0	0	0	20
17:30	0	0	1	6	8	2	0	0	0	0	0	0	0	17
17:45	0	0	0	1	7	6	0	0	0	0	0	0	0	14
	0	4	11	14	31	18	0	0	0	0	0	0	0	78
18:00	0	0	1	1	5	4	0	0	0	0	0	0	0	11
18:15	0	0	1	0	4	5	0	0	0	0	0	0	0	10
18:30	0	0	3	4	10	7	0	0	0	0	0	0	0	24
18:45	1	2	7	2	3	2	0	0	0	0	0	0	0	17
	1	2	12	7	22	18	0	0	0	0	0	0	0	62
19:00	0	0	3	1	3	3	0	0	0	0	0	0	0	10
19:15	0	0	3	7	4	2	0	0	0	0	0	0	0	16
19:30	0	0	1	1	5	2	0	0	0	0	0	0	0	9
19:45	0	0	3	4	10	7	0	0	0	0	0	0	0	24
	0	0	10	13	22	14	0	0	0	0	0	0	0	59
20:00	0	1	9	2	2	1	0	0	0	0	0	0	0	15
20:15	0	0	1	6	2	2	0	0	0	0	0	0	0	11
20:30	0	1	2	2	6	2	0	0	0	0	0	0	0	13
20:45	0	0	1	3	5	2	0	0	0	0	0	0	0	11
	0	2	13	13	15	7	0	0	0	0	0	0	0	50
21:00	1	0	2	6	2	0	0	0	0	0	0	0	0	11
21:15	0	0	3	4	3	2	0	0	0	0	0	0	0	12
21:30	1	1	2	2	1	1	0	0	0	0	0	0	0	8
21:45	0	0	2	0	0	2	0	0	0	0	0	0	0	4
	2	1	9	12	6	5	0	0	0	0	0	0	0	35
22:00	0	1	1	2	2	1	0	0	0	0	0	0	0	7
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	3	2	0	0	0	0	0	0	0	0	0	5
22:45	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	0	1	4	4	3	1	0	0	0	0	0	0	0	13
23:00	0	0	0	2	0	1	0	0	0	0	0	0	0	3
23:15	0	0	0	0	2	2	0	0	0	0	0	0	0	4
23:30	0	0	0	3	0	0	0	0	0	0	0	0	0	3
23:45	0	0	0	1	1	0	0	0	0	0	0	0	0	2
	0	0	0	6	3	3	0	0	0	0	0	0	0	12
Total	6	23	96	136	227	162	0	0	0	0	0	0	0	650
Total	11	36	177	274	443	297	0	0	0	0	0	0	0	1238

	15th Percentile :	23 MPH
	50th Percentile :	31 MPH
	85th Percentile :	36 MPH
	95th Percentile :	38 MPH
Stats	Mean Speed(Average) :	31 MPH
	10 MPH Pace Speed :	31-40 MPH
	Number in Pace :	740
	Percent in Pace :	59.8%

Number of Vehicles > 25	MPH :	1014
Percent of Vehicles > 25	MPH :	81.9%

Appendix E
Land Use Context Classification

Table 201.5.1 Design Speed

Limited Access Facilities (Interstates, Freeways, and Expressways)		
Area	**Allowable Range (mph)**	**SIS Minimum (mph)**
Rural and Urban	70	70
Urbanized	50-70	60
Arterials and Collectors		
Context Classification	**Allowable Range (mph)**	**SIS Minimum (mph)**
C1 Natural	55-70	65
C2 Rural	55-70	65
C2T Rural Town	25-45	40
C3 Suburban	35-55	50
C4 Urban General	25-45	45
C5 Urban Center	25-35	35
C6 Urban Core	25-30	30

Notes:

(1) SIS Minimum Design Speed may be reduced to 35 mph for C2T Context Classification when appropriate design elements are included to support the 35-mph speed, such as on-street parking.

(2) SIS Minimum Design Speed may be reduced to 45 mph for curbed roadways within C3 Context Classification.

(3) For SIS facilities on the State Highway System, a selected Design Speed less than the SIS Minimum Design Speed requires a Design Variation as outlined in ***SIS Procedure (Topic No. 525-030-260)***.

(4) For SIS facilities not on the State Highway System, a selected Design Speed less than the SIS Minimum Design Speed may be approved by the District Design Engineer following a review by the District Planning (Intermodal Systems Development) Manager.

RIDGE AT APOPKA
COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
FINANCIAL REPORT
FOR THE FISCAL YEAR ENDED
SEPTEMBER 30, 2025

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA

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INDEPENDENT AUDITOR'S REPORT

To the Board of Supervisors
Ridge at Apopka Community Development District
City of Apopka, Florida

Report on the Audit of the Financial Statements

Opinions

We have audited the accompanying financial statements of the governmental activities and each major fund of Ridge at Apopka Community Development District, City of Apopka, Florida ("District") as of and for the fiscal year ended September 30, 2025, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities and each major fund of the District as of September 30, 2025, and the respective changes in financial position thereof for the fiscal year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the District and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

The District's management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the District's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the District's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control–related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and budgetary comparison information be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information Included in the Financial Report

Management is responsible for the other information included in the financial report. The other information comprises the information for compliance with FL Statute 218.39 (3) (c) but does not include the financial statements and our auditor's report thereon. Our opinions on the financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon. In connection with our audit of the financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated March 3, 2026, on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the District's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

Grau & Associates

March 3, 2026

MANAGEMENT'S DISCUSSION AND ANALYSIS

Our discussion and analysis of Ridge at Apopka Community Development District, City of Apopka, Florida ("District") provides a narrative overview of the District's financial activities for the fiscal year ended September 30, 2025. Please read it in conjunction with the District's Independent Auditor's Report, basic financial statements, accompanying notes and supplementary information to the basic financial statements.

FINANCIAL HIGHLIGHTS

- The assets of the District exceeded its liabilities at the close of the most recent fiscal year resulting in a net position balance of $296,416.

- The change in the District's total net position in comparison with the prior fiscal year was $371,845, an increase. The key components of the District's net position and change in net position are reflected in the table in the government-wide financial analysis section

- At September 30, 2025, the District's governmental funds reported combined ending fund balances of $1,755,307, an increase of $86,223 in comparison with the prior fiscal year. The total fund balance is nonspendable for prepaid items, restricted for debt service and capital projects, and the remainder is unassigned fund balance which is available for spending at the District's discretion.

OVERVIEW OF FINANCIAL STATEMENTS

This discussion and analysis are intended to serve as the introduction to the District's basic financial statements. The District's basic financial statements are comprised of three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

Government-Wide Financial Statements

The government-wide financial statements are designed to provide readers with a broad overview of the District's finances, in a manner similar to a private-sector business.

The statement of net position presents information on all the District's assets, deferred outflows of resources, liabilities, and deferred inflows of resources with the residual amount being reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating.

The statement of activities presents information showing how the government's net position changed during the most recent fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods.

The government-wide financial statements include all governmental activities that are principally supported by assessments. The District does not have any business-type activities. The governmental activities of the District include the general government (administrative) and maintenance functions.

Fund Financial Statements

A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The District, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. The District has one fund category: governmental funds.

OVERVIEW OF FINANCIAL STATEMENTS (Continued)

Governmental Funds

Governmental funds are used to account for essentially the same functions reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near-term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a District's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for governmental funds with similar information presented for governmental activities in the government-wide financial statements. By doing so, readers may better understand the long-term impact of the District's near-term financing decisions. Both the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances provide a reconciliation to facilitate this comparison between governmental funds and governmental activities.

The District maintains three governmental funds for external reporting. Information is presented separately in the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances for the general fund, debt service fund and capital projects fund, all of which are considered major funds.

The District adopts an annual appropriated budget for its general fund. A budgetary comparison schedule has been provided for the general fund to demonstrate compliance with the budget.

Notes to the Financial Statements

The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements.

GOVERNMENT-WIDE FINANCIAL ANALYSIS

As noted earlier, net position may serve over time as a useful indicator of an entity's financial position. In the case of the District, assets exceeded liabilities at the close of the most recent fiscal year.

Key components of the District's net position are reflected in the following table:

NET POSITION
SEPTEMBER 30,

	2025	2024
Current and other assets	$ 1,783,936	$ 1,693,406
Capital assets, net of depreciation	14,769,313	14,769,313
Total assets	16,553,249	16,462,719
Current liabilities	378,337	379,652
Long-term liabilities	15,878,496	16,158,496
Total liabilities	16,256,833	16,538,148
Net position		
Net investment in capital assets	(1,106,655)	(1,386,757)
Restricted	1,282,819	1,199,546
Unrestricted	120,252	111,782
Total net position	$ 296,416	$ (75,429)

The District's net position reflects its investment in capital assets (e.g. land, land improvements, and infrastructure); less any related debt used to acquire those assets that is still outstanding. These assets are used to provide services to residents; consequently, these assets are not available for future spending. Although the District's investment in capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

GOVERNMENT-WIDE FINANCIAL ANALYSIS (Continued)

The restricted portion of the District's net position represents resources that are subject to external restrictions on how they may be used. The remaining balance of unrestricted net position may be used to meet the District's other obligations.

The District's net position increased during the most recent fiscal year. The majority of the increase represents the extent to which ongoing program revenues exceeded the cost of operations.

Key elements of the change in net position are reflected in the following table:

CHANGES IN NET POSITION
FOR THE FISCAL YEAR ENDED SEPTEMBER 30,

	2025	2024
Revenues:		
Program revenues		
Charges for services	$ 1,369,080	$ 1,356,676
Operating grants and contributions	58,226	63,397
Capital grants and contributions	102	63,081
General revenues		
Miscellaneous	-	2,764
Total revenues	1,427,408	1,485,918
Expenses:		
General government	85,344	77,081
Maintenance and operations	123,047	56,750
Interest	847,172	850,077
Cost of Issuance	-	5,925
Total expenses	1,055,563	989,833
Change in net position	371,845	496,085
Net position - beginning	(75,429)	(571,514)
Net position - ending	$ 296,416	$ (75,429)

As noted above and in the statement of activities, the cost of all governmental activities during the fiscal year ended September 30, 2025 was $1,055,563. The costs of the District's activities were funded by program revenues. Program revenues of the District are comprised primarily of assessments for the current fiscal year. In total, expenses increased from the prior fiscal year. The majority of the increase was the result of an increase in professional services including the maintenance and operations.

GENERAL BUDGETING HIGHLIGHTS

An operating budget was adopted and maintained by the governing board for the District pursuant to the requirements of Florida Statutes. The budget is adopted using the same basis of accounting that is used in preparation of the fund financial statements. The legal level of budgetary control, the level at which expenditures may not exceed budget, is in the aggregate. Any budget amendments that increase the aggregate budgeted appropriations must be approved by the Board of Supervisors. Actual general fund expenditures did not exceed appropriations for the fiscal year ended September 30, 2025.

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

At September 30, 2025, the District had $14,769,313 invested in capital assets for its governmental activities. No depreciation has been taken in the current fiscal year as the District's infrastructure and other capital assets are under construction. More detailed information about the District's capital assets is presented in the notes of the financial statements.

Capital Debt

At September 30, 2025, the District had $15,485,000 in Bonds outstanding for its governmental activities. At September 30, 2025, the District also reported a Developer advance of $393,496 for its governmental activities. More detailed information about the District's capital debt is presented in the notes of the financial statements.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGETS AND OTHER EVENTS

For the subsequent fiscal year, the District anticipates that the cost of general operations will increase as the District is built out.

CONTACTING THE DISTRICT'S FINANCIAL MANAGEMENT

This financial report is designed to provide our citizens, land owners, customers, investors and creditors with a general overview of the District's finances and to demonstrate the District's accountability for the financial resources it manages and the stewardship of the facilities it maintains. If you have questions about this report or need additional financial information, contact the Ridge at Apopka Community Development District's Finance Department at 219 E. Livingston St., Orlando Florida, 32801.

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
STATEMENT OF NET POSITION
SEPTEMBER 30, 2025

	Governmental Activities
ASSETS	
Cash	$ 134,905
Accounts receivable	3,014
Assessments receivable	222
Prepaid items	5,732
Restricted assets:	
Investments	1,640,063
Capital assets:	
Nondepreciable	14,769,313
Total assets	16,553,249
LIABILITIES	
Accounts payable	13,621
Due to Developer	15,008
Accrued interest payable	349,708
Non-current liabilities:	
Due within one year	265,000
Due in more than one year	15,613,496
Total liabilities	16,256,833
NET POSITION	
Net investment in capital assets	(1,106,655)
Restricted for debt service	1,282,819
Unrestricted	120,252
Total net position	$ 296,416

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
STATEMENT OF ACTIVITIES
FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2025

Functions/Programs	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions	Net (Expense) Revenue and Changes in Net Position: Governmental Activities
Primary government:					
Governmental activities:					
General government	$ 85,344	$ 85,344	$ -	$ -	$ -
Maintenance and operations	123,047	131,517	-	102	8,572
Interest on long-term debt	847,172	1,152,219	58,226	-	363,273
Total governmental activities	1,055,563	1,369,080	58,226	102	371,845
General revenues:					
Change in net position					371,845
Net position - beginning					(75,429)
Net position - ending					$ 296,416

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
BALANCE SHEET
GOVERNMENTAL FUNDS
SEPTEMBER 30, 2025

	Major Funds			Total
	General	Debt Service	Capital Projects	Governmental Funds
ASSETS				
Cash	$ 134,905	$ -	$ -	$ 134,905
Investments	-	1,637,535	2,528	1,640,063
Accounts receivable	3,014	-	-	3,014
Assessments receivable	222	-	-	222
Prepaid items	5,732	-	-	5,732
Total assets	$ 143,873	$ 1,637,535	$ 2,528	$ 1,783,936
LIABILITIES				
Liabilities:				
Accounts payable	$ 13,621	$ -	$ -	$ 13,621
Due to Developer	10,000	5,008	-	15,008
Total liabilities	23,621	5,008	-	28,629
FUND BALANCES				
Nonspendable:				
Prepaid items	5,732	-	-	5,732
Restricted for:				
Debt service	-	1,632,527	-	1,632,527
Capital projects	-	-	2,528	2,528
Unassigned	114,520	-	-	114,520
Total fund balances	120,252	1,632,527	2,528	1,755,307
Total liabilities and fund balances	$ 143,873	$ 1,637,535	$ 2,528	$ 1,783,936

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
RECONCILIATION OF THE BALANCE SHEET - GOVERNMENTAL FUNDS
TO THE STATEMENT OF NET POSITION
SEPTEMBER 30, 2025

Fund balance - governmental funds		$ 1,755,307
Amounts reported for governmental activities in the statement of net position are different because:		
Capital assets used in governmental activities are not financial resources, therefore, are not reported as assets in the governmental funds. The statement of net position includes those capital assets, net of accumulated depreciation, in the assets of the government as a whole.		
Capital assets	14,769,313	
Accumulated depreciation	-	14,769,313
Liabilities not due and payable from current available resources are not reported as liabilities in the governmental fund statements. All liabilities, both current and long-term, are reported in the government-wide financial statements.		
Accrued interest payable	(349,708)	
Developer advance	(393,496)	
Bonds payable	(15,485,000)	(16,228,204)
Net position of governmental activities		$ 296,416

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
GOVERNMENTAL FUNDS
FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2025

	Major Funds			Total
	General	Debt Service	Capital Projects	Governmental Funds
REVENUES				
Assessments	$ 216,861	$ 1,152,219	$ -	$ 1,369,080
Investment earnings	-	58,226	102	58,328
Total revenues	216,861	1,210,445	102	1,427,408
EXPENDITURES				
Current:				
General government	85,344	-	-	85,344
Maintenance	123,047	-	-	123,047
Debt service:				
Principal	-	280,000	-	280,000
Interest	-	852,794	-	852,794
Total expenditures	208,391	1,132,794	-	1,341,185
Excess (deficiency) of revenues over (under) expenditures	8,470	77,651	102	86,223
Fund balances - beginning	111,782	1,554,876	2,426	1,669,084
Fund balances - ending	$ 120,252	$ 1,632,527	$ 2,528	$ 1,755,307

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES OF GOVERNMENTAL FUNDS TO THE STATEMENT OF ACTIVITIES
FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2025

Net change in fund balances - total governmental funds	$	86,223
Amounts reported for governmental activities in the statement of activities are different because:		
Repayments of long-term liabilities are reported as expenditures in the governmental fund statement but such repayments reduce liabilities in the statement of net position and are eliminated in the statement of activities.		280,000
The change in accrued interest on long-term liabilities between the current and prior fiscal year is recorded in the statement of activities but not in the fund financial statements.		5,622
Change in net position of governmental activities	$	371,845

See notes to the financial statements

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
NOTES TO FINANCIAL STATEMENTS

NOTE 1 – NATURE OF ORGANIZATION AND REPORTING ENTITY

Ridge at Apopka Community Development District ("District") was created by Ordinance 2859 by the City Council of the City of Apopka, Florida enacted on September 8, 2021 and established pursuant to the Uniform Community Development District Act of 1980, otherwise known as Chapter 190, Florida Statutes. The Act provides among other things, the power to manage basic services for community development, power to borrow money and issue Bonds, and to levy and assess non-ad valorem assessments for the financing and delivery of capital infrastructure.

The District was established for the purposes of financing and managing the acquisition, construction, maintenance and operation of a portion of the infrastructure necessary for community development within the District.

The District is governed by the Board of Supervisors ("Board"), which is composed of five members. The Supervisors are elected on an at large basis by the owners of the property within the District. Ownership of land within the District entitles the owner to one vote per acre. The Board exercises all powers granted to the District pursuant to Chapter 190, Florida Statutes. All of the Board members are affiliated with Apopka Centerline Development LLC, the (“Developer”).

The Board has the responsibility for:
1. Assessing and levying assessments.
2. Approving budgets.
3. Exercising control over facilities and properties.
4. Controlling the use of funds generated by the District.
5. Approving the hiring and firing of key personnel.
6. Financing improvements.

The financial statements were prepared in accordance with Governmental Accounting Standards Board (“GASB”) Statements. Under the provisions of those standards, the financial reporting entity consists of the primary government, organizations for which the District Board of Supervisors is considered to be financially accountable, and other organizations for which the nature and significance of their relationship with the District are such that, if excluded, the financial statements of the District would be considered incomplete or misleading. There are no entities considered to be component units of the District; therefore, the financial statements include only the operations of the District.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Government-Wide and Fund Financial Statements
The basic financial statements include both government-wide and fund financial statements.

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report information on all of the non-fiduciary activities of the primary government. For the most part, the effect of interfund activity has been removed from these statements.

The statement of activities demonstrates the degree to which the direct expenses of a given function or segment is offset by program revenues. *Direct expenses* are those that are clearly identifiable with a specific function or segment. *Program revenues* include 1) charges to customers who purchase, use or directly benefit from goods, services or privileges provided by a given function or segment. Operating-type special assessments for maintenance and debt service are treated as charges for services; and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Other items not included among program revenues are reported instead as *general revenues*.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Measurement Focus, Basis of Accounting and Financial Statement Presentation

The government-wide financial statements are reported using the *economic resources measurement* focus and the *accrual basis of accounting*. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Assessments are recognized as revenues in the year for which they are levied. Grants and similar items are to be recognized as revenue as soon as all eligibility requirements imposed by the provider have been met.

Governmental fund financial statements are reported using the *current financial resources measurement focus* and the *modified accrual basis of accounting*. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be *available* when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the government considers revenues to be available if they are collected within 60 days of the end of the current fiscal period. Expenditures are recorded when a liability is incurred, as under accrual accounting. However, debt service expenditures are recorded only when payment is due.

Assessments

Assessments are non-ad valorem assessments on certain land and all platted lots within the District. Assessments are levied each November 1 on property of record as of the previous January. The fiscal year for which annual assessments are levied begins on October 1 with discounts available for payments through February 28 and become delinquent on April 1. For debt service assessments, amounts collected as advance payments are used to prepay a portion of the Bonds outstanding. Otherwise, assessments are collected annually to provide funds for the debt service on the portion of the Bonds which are not paid with prepaid assessments.

Assessments and interest associated with the current fiscal period are considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal period. The portion of assessments receivable due within the current fiscal period is considered to be susceptible to accrual as revenue of the current period.

The District reports the following major governmental funds:

General Fund

The general fund is the general operating fund of the District. It is used to account for all financial resources except those required to be accounted for in another fund.

Debt Service Fund

The debt service fund is used to account for the accumulation of resources for the annual payment of principal and interest on long-term debt.

Capital Projects Fund

This fund accounts for the financial resources to be used for the acquisition or construction of major infrastructure within the District.

As a general rule, the effect of interfund activity has been eliminated from the government-wide financial statements.

When both restricted and unrestricted resources are available for use, it is the government's policy to use restricted resources first for qualifying expenditures, then unrestricted resources as they are needed.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position or Equity

Restricted Assets
These assets represent cash and investments set aside pursuant to Bond covenants or other contractual restrictions.

Deposits and Investments
The District's cash and cash equivalents are considered to be cash on hand and demand deposits (interest and non-interest bearing).

The District has elected to proceed under the Alternative Investment Guidelines as set forth in Section 218.415 (17) Florida Statutes. The District may invest any surplus public funds in the following:

a) The Local Government Surplus Trust Funds, or any intergovernmental investment pool authorized pursuant to the Florida Inter-local Cooperation Act;
b) Securities and Exchange Commission registered money market funds with the highest credit quality rating from a nationally recognized rating agency;
c) Interest bearing time deposits or savings accounts in qualified public depositories;
d) Direct obligations of the U.S. Treasury.

Securities listed in paragraph c and d shall be invested to provide sufficient liquidity to pay obligations as they come due. In addition, unspent Bond proceeds are required to be held in investments as specified in the Bond Indentures.

The District records all interest revenue related to investment activities in the respective funds. Investments are measured at amortized cost or reported at fair value as required by generally accepted accounting principles.

Prepaid Items
Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in both government-wide and fund financial statements.

Capital Assets
Capital assets which include property, plant and equipment, and infrastructure assets (e.g., roads, sidewalks and similar items) are reported in the government activities columns in the government-wide financial statements. Capital assets are defined by the government as assets with an initial, individual cost of more than $5,000 (amount not rounded) and an estimated useful life in excess of two years. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at acquisition value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend assets lives are not capitalized. Major outlays for capital assets and improvements are capitalized as projects are constructed.

Unearned Revenue
Governmental funds report unearned revenue in connection with resources that have been received, but not yet earned.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position or Equity (Continued)

Long-Term Obligations
In the government-wide financial statements long-term debt and other long-term obligations are reported as liabilities in the statement of net position. Bond premiums and discounts are deferred and amortized over the life of the Bonds. Bonds payable are reported net of applicable premiums or discounts. Bond issuance costs are reported as an expense in the year incurred.

In the fund financial statements, governmental fund types recognize premiums and discounts, as well as issuance costs, during the current period. The face amount of debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources while discounts on debt issuances are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

Deferred Outflows/Inflows of Resources
In addition to assets, the statement of financial position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and so will not be recognized as an outflow of resources (expense/expenditure) until then.

In addition to liabilities, the statement of financial position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time.

Fund Equity/Net Position
In the fund financial statements, governmental funds report non spendable and restricted fund balance for amounts that are not available for appropriation or are legally restricted by outside parties for use for a specific purpose. Assignments of fund balance represent tentative management plans that are subject to change.

The District can establish limitations on the use of fund balance as follows:

Committed fund balance – Amounts that can be used only for the specific purposes determined by a formal action (resolution) of the Board of Supervisors. Commitments may be changed or lifted only by the Board of Supervisors taking the same formal action (resolution) that imposed the constraint originally. Resources accumulated pursuant to stabilization arrangements sometimes are reported in this category.

Assigned fund balance – Includes spendable fund balance amounts established by the Board of Supervisors that are intended to be used for specific purposes that are neither considered restricted nor committed. The Board may also assign fund balance as it does when appropriating fund balance to cover differences in estimated revenue and appropriations in the subsequent year's appropriated budget. Assignments are generally temporary and normally the same formal action need not be taken to remove the assignment.

The District first uses committed fund balance, followed by assigned fund balance and then unassigned fund balance when expenditures are incurred for purposes for which amounts in any of the unrestricted fund balance classifications could be used.

Net position is the difference between assets and deferred outflows of resources less liabilities and deferred inflows of resources. Net position in the government-wide financial statements are categorized as net investment in capital assets, restricted or unrestricted. Net investment in capital assets represents net position related to infrastructure and property, plant and equipment. Restricted net position represents the assets restricted by the District's Bond covenants or other contractual restrictions. Unrestricted net position consists of the net position not meeting the definition of either of the other two components.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Other Disclosures

Use of Estimates
The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from those estimates.

NOTE 3 – BUDGETARY INFORMATION

The District is required to establish a budgetary system and an approved Annual Budget. Annual Budgets are adopted on a basis consistent with generally accepted accounting principles for the general fund. All annual appropriations lapse at fiscal year-end.

The District follows these procedures in establishing the budgetary data reflected in the financial statements.

a) Each year the District Manager submits to the District Board a proposed operating budget for the fiscal year commencing the following October 1.
b) Public hearings are conducted to obtain public comments.
c) Prior to October 1, the budget is legally adopted by the District Board.
d) All budget changes must be approved by the District Board.
e) The budgets are adopted on a basis consistent with generally accepted accounting principles.
f) Unused appropriation for annually budgeted funds lapse at the end of the year.

NOTE 4 – DEPOSITS AND INVESTMENTS

Deposits
The District's cash balances were entirely covered by federal depository insurance or by a collateral pool pledged to the State Treasurer. Florida Statutes Chapter 280, "Florida Security for Public Deposits Act", requires all qualified depositories to deposit with the Treasurer or another banking institution eligible collateral equal to various percentages of the average daily balance for each month of all public deposits in excess of any applicable deposit insurance held. The percentage of eligible collateral (generally, U.S. Governmental and agency securities, state or local government debt, or corporate bonds) to public deposits is dependent upon the depository's financial history and its compliance with Chapter 280. In the event of a failure of a qualified public depository, the remaining public depositories would be responsible for covering any resulting losses.

Investments
The District's investments were held as follows at September 30, 2025:

	Amortized Cost	Credit Risk	Maturities
First American Government Obligations Fund - Class Y	$ 1,640,063	S&P AAAm	Weighted average of the fund portfolio: 45 days

Custodial credit risk – For an investment, custodial credit risk is the risk that, in the event of the failure of the counterparty, the District will not be able to recover the value of the investments or collateral securities that are in the possession of an outside party. The District has no formal policy for custodial risk.

NOTE 4 – DEPOSITS AND INVESTMENTS (Continued)

Investments (Continued)

Credit risk – For investments, credit risk is generally the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. Investment ratings by investment type are included in the preceding summary of investments.

Concentration risk – The District places no limit on the amount the District may invest in any one issuer.

Interest rate risk – The District does not have a formal policy that limits investment maturities as a means of managing exposure to fair value losses arising from increasing interest rates.

However, the Bond Indentures limit the type of investments held using unspent proceeds.

Fair Value Measurement – When applicable, the District measures and records its investments using fair value measurement guidelines established in accordance with GASB Statements. The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques.

These guidelines recognize a three-tiered fair value hierarchy, in order of highest priority, as follows:

- *Level 1:* Investments whose values are based on unadjusted quoted prices for identical investments in active markets that the District has the ability to access;
- *Level 2:* Investments whose inputs - other than quoted market prices - are observable either directly or indirectly; and,
- *Level 3:* Investments whose inputs are unobservable.

The fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the entire fair value measurement. Valuation techniques used should maximize the use of observable inputs and minimize the use of unobservable inputs.

Money market investments that have a maturity at the time of purchase of one year or less and are held by governments other than external investment pools should be measured at amortized cost. Accordingly, the District's remaining investments have been reported at amortized costs above.

NOTE 5 – CAPITAL ASSETS

Capital asset activity for the fiscal year ended September 30, 2025 was as follows:

	Beginning Balance	Additions	Reductions	Ending Balance
Governmental activities				
Capital assets, not being depreciated				
Infrastructure under construction	$ 14,769,313	$ -	$ -	$ 14,769,313
Total capital assets, not being depreciated	14,769,313	-	-	14,769,313
Governmental activities capital assets, net	$ 14,769,313	$ -	$ -	$ 14,769,313

The infrastructure intended to serve the District has been estimated at a total cost of approximately $36,300,000. The infrastructure will include roadways, potable water and wastewater systems, stormwater improvements, and other infrastructure improvements. A portion of the project costs was expected to be financed with the proceeds from the issuance of Bonds with the remainder to be funded by the Developer and conveyed to the District. Upon completion, certain improvements are to be conveyed to others for ownership and maintenance responsibilities.

NOTE 6 – LONG-TERM LIABILITIES

Series 2022

On May 6, 2022, the District issued $12,935,000 of Special Assessment Revenue Bonds, Series 2022 consisting of $1,025,000 Term Bonds Series 2022 due on May 1, 2027 with a fixed interest rate of 4.75% and $1,300,000 Term Bonds Series 2022 due on May 1, 2032 with a fixed interest rate of 5.0% and $3,895,000 Term Bonds Series 2022 due on May 1, 2042 with a fixed interest rate of 5.375% and $6,715,000 Term Bonds Series 2022 due on May 1, 2052 with a fixed interest rate of 5.50%. Bonds were issued to finance the acquisition and construction of certain improvements for the benefit of the District. Interest is to be paid semiannually on each May 1 and November 1, commencing November 1, 2022. Principal on the Bonds is to be paid serially commencing May 1, 2023 through May 1, 2052.

The Series 2022 Bonds are subject to redemption at the option of the District prior to their maturity. The Series 2022 Bonds are subject to extraordinary mandatory redemption prior to their selected maturity in the manner determined by the Bond Registrar if certain events occurred as outlined in the Bond Indenture. This occurred during the current fiscal year as the District collected assessments from lot closings and prepaid $30,000 of the Series 2022 Bonds.

The Bond Indenture established a debt service reserve requirement as well as other restrictions and requirements relating principally to the use of proceeds to pay for the infrastructure improvements and the procedures to be followed by the District on assessments to property owners. The District agrees to levy special assessments in annual amounts adequate to provide payment of debt service and to meet the reserve requirements. Upon satisfaction of certain conditions, a portion of the original reserve requirements will be transferred to the acquisition and construction trust account to pay for project costs in accordance with the bond indenture; this did not occur during the current fiscal year. The District was in compliance with the requirements at September 30, 2025.

Series 2023

On August 23, 2023, the District issued $3,255,000 of Special Assessment Bonds, Series 2023 consisting of Term Bonds with due dates of May 1, 2030 to May 1 2053 and fixed interest rate ranging from 4.75% to 5.75%. The Bonds were issued to finance the acquisition and construction of certain improvements for the benefit of the District. Interest is to be paid semiannually on each May 1 and November 1, commencing November 1, 2023. Principal on the Bonds is to be paid serially commencing May 1, 2024 through May 1, 2053.

The Series 2023 Bonds are subject to redemption at the option of the District prior to their maturity. The Series 2023 Bonds are subject to extraordinary mandatory redemption prior to their selected maturity in the manner determined by the Bond Registrar if certain events occurred as outlined in the Bond Indenture.

The Bond Indenture established a debt service reserve requirement as well as other restrictions and requirements relating principally to the use of proceeds to pay for the infrastructure improvements and the procedures to be followed by the District on assessments to property owners. The District agrees to levy special assessments in annual amounts adequate to provide payment of debt service and to meet the reserve requirements. Upon satisfaction of certain conditions, a portion of the original reserve requirements will be transferred to the acquisition and construction trust account to pay for project costs in accordance with the bond indenture; this did not occur during the current fiscal year. The District was in compliance with the requirements at September 30, 2025.

Developer Advance

During the prior fiscal year, the Developer has advanced the District a total of $393,496 to fund the construction and acquisition of infrastructure improvements associated with the project. The amount is recorded as a long-term liability as of September 30, 2025. The District intends to repay the Developer advance through the release of its Series 2022 Debt Service reserve in subsequent periods.

NOTE 6 – LONG-TERM LIABILITIES (Continued)

Long-term Debt Activity

Changes in long-term liability activity for the fiscal year ended September 30, 2025 were as follows:

	Beginning Balance	Additions	Reductions	Ending Balance	Due Within One Year
Governmental activities					
Bonds payable:					
Series 2022	$ 12,555,000	$ -	$ 235,000	$ 12,320,000	$ 215,000
Series 2023	3,210,000	-	45,000	3,165,000	50,000
Direct borrowings:					
Developer advances	393,496	-	-	393,496	-
Total	$ 16,158,496	$ -	$ 280,000	$ 15,878,496	$ 265,000

At September 30, 2025, the scheduled debt service requirements on the long-term debt were as follows:

Year ending	Governmental Activities		
September 30:	Principal	Interest	Total
2026	$ 265,000	$ 839,301	$ 1,104,301
2027	275,000	826,713	1,101,713
2028	290,000	813,651	1,103,651
2029	300,000	799,288	1,099,288
2030	320,000	784,426	1,104,426
2031-2035	1,865,000	3,659,826	5,524,826
2036-2040	2,455,000	3,098,782	5,553,782
2041-2045	3,210,000	2,357,082	5,567,082
2046-2050	4,240,000	1,362,788	5,602,788
2051-2053	2,265,000	209,688	2,474,688
Total	$ 15,485,000	$ 14,751,545	$ 30,236,545

NOTE 7 – DEVELOPER TRANSACTIONS

The Developer owns a portion of land within the District; therefore, assessment revenues in the general and debt service funds include the assessments levied on those lots owned by the Developer.

NOTE 8 – CONCENTRATION

The District's activity is dependent upon the continued involvement of the Developer, the loss of which could have a material adverse effect on the District's operations.

NOTE 9 – MANAGEMENT AGREEMENTS

The District has contracted with a management company to perform management advisory services, which include financial and accounting advisory services. Certain employees of the management company also serve as officers of the District. Under the agreement, the District compensates the management company for management, accounting, financial reporting, computer and other administrative costs.

NOTE 10 – RISK MANAGEMENT

The District is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; and natural disasters. The District has obtained commercial insurance from independent third parties to mitigate the costs of these risks; coverage may not extend to all situations. There were no settled claims during the past three years.

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
SCHEDULE OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE - BUDGET AND ACTUAL – GENERAL FUND
FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2025

	Budgeted Amounts Original & Final	Actual Amounts	Variance with Final Budget - Positive (Negative)
REVENUES			
Assessments	$ 214,092	$ 216,861	$ 2,769
Total revenues	214,092	216,861	2,769
EXPENDITURES			
Current:			
General government	101,555	85,344	16,211
Maintenance	112,537	123,047	(10,510)
Total expenditures	214,092	208,391	5,701
Excess (deficiency) of revenues over (under) expenditures	$ -	8,470	$ 8,470
Fund balance - beginning		111,782	
Fund balance - ending		$ 120,252	

See notes to required supplementary information

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

The District is required to establish a budgetary system and an approved Annual Budget for the general fund. The District's budgeting process is based on estimates of cash receipts and cash expenditures which are approved by the Board. The budget approximates a basis consistent with accounting principles generally accepted in the United States of America (generally accepted accounting principles).

The legal level of budgetary control, the level at which expenditures may not exceed budget, is in the aggregate. Any budget amendments that increase the aggregate budgeted appropriations must be approved by the Board of Supervisors. Actual general fund expenditures did not exceed appropriations for the fiscal year ended September 30, 2025.

RIDGE AT APOPKA COMMUNITY DEVELOPMENT DISTRICT
CITY OF APOPKA, FLORIDA
OTHER INFORMATION – DATA ELEMENTS
REQUIRED BY FL STATUTE 218.39(3)(C)
FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2025
UNAUDITED

Element	Comments
Number of District employees compensated in the last pay period of the District's fiscal year being reported.	0
Number of independent contractors compensated to whom nonemployee compensation was paid in the last month of the District's fiscal year being reported.	0
Employee compensation	0
Independent contractor compensation	Not applicable
Construction projects to begin on or after October 1; (>$65K)	None
Budget variance report	See the Schedule of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual - General Fund
Ad Valorem taxes;	Not applicable
Non ad valorem special assessments;	
Special assessment rate	Operations and maintenance - $364.73-24,842.73 Debt service - $525.09 - $123,674.25
Special assessments collected	$1,369,080
Outstanding Bonds:	see Note 6 for details

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INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Board of Supervisors
Ridge at Apopka Community Development District
City of Apopka, Florida

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities and each major fund of Ridge at Apopka Community Development District, City of Apopka, Florida ("District") as of and for the fiscal year ended September 30, 2025, and the related notes to the financial statements, which collectively comprise the District's basic financial statements, and have issued our opinion thereon dated March 3, 2026.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Gray & Associates

March 3, 2026

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INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE WITH THE REQUIREMENTS OF SECTION 218.415, FLORIDA STATUTES, REQUIRED BY RULE 10.556(10) OF THE AUDITOR GENERAL OF THE STATE OF FLORIDA

To the Board of Supervisors
Ridge at Apopka Community Development District
City of Apopka, Florida

We have examined Ridge at Apopka Community Development District, City of Apopka, Florida's ("District") compliance with the requirements of Section 218.415, Florida Statutes, in accordance with Rule 10.556(10) of the Auditor General of the State of Florida during the fiscal year ended September 30, 2025. Management is responsible for District's compliance with those requirements. Our responsibility is to express an opinion on District's compliance based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether the District complied, in all material respects, with the specified requirements referenced in Section 218.415, Florida Statutes. An examination involves performing procedures to obtain evidence about whether the District complied with the specified requirements. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material noncompliance, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion. Our examination does not provide a legal determination on the District's compliance with specified requirements.

We are required to be independent and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to the examination engagement.

In our opinion, the District complied, in all material respects, with the aforementioned requirements for the fiscal year ended September 30, 2025.

This report is intended solely for the information and use of the Legislative Auditing Committee, members of the Florida Senate and the Florida House of Representatives, the Florida Auditor General, management, and the Board of Supervisors of Ridge at Apopka Community Development District, City of Apopka, Florida and is not intended to be and should not be used by anyone other than these specified parties.

Grau & Associates

March 3, 2026

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MANAGEMENT LETTER PURSUANT TO THE RULES OF THE AUDITOR GENERAL FOR THE STATE OF FLORIDA

To the Board of Supervisors
Ridge at Apopka Community Development District
City of Apopka, Florida

Report on the Financial Statements

We have audited the accompanying basic financial statements of Ridge at Apopka Community Development District, City of Apopka, Florida ("District") as of and for the fiscal year ended September 30, 2025 and have issued our report thereon dated March 3, 2026.

Auditor's Responsibility

We conducted our audit in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in G*overnment Auditing Standards,* issued by the Comptroller General of the United States; and Chapter 10.550, Rules of the Auditor General.

Other Reporting Requirements

We have issued our Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with *Government Auditing Standards;* and Independent Auditor's Report on an examination conducted in accordance with *AICPA Professional Standards*, AT-C Section 315, regarding compliance requirements in accordance with Chapter 10.550, Rules of the Auditor General. Disclosures in those reports, which are dated March 3, 2026, should be considered in conjunction with this management letter.

Purpose of this Letter

The purpose of this letter is to comment on those matters required by Chapter 10.550 of the Rules of the Auditor General of the state of Florida. Accordingly, in connection with our audit of the financial statements of the District, as described in the first paragraph, we report the following:

I. Current year findings and recommendations.
II. Status of prior year findings and recommendations.
III. Compliance with the Provisions of the Auditor General of the State of Florida.

Our management letter is intended solely for the information and use of the Legislative Auditing Committee, members of the Florida Senate and the Florida House of Representatives, the Florida Auditor General, Federal and other granting agencies, as applicable, management, and the Board of Supervisors of Ridge at Apopka Community Development District, City of Apopka, Florida and is not intended to be and should not be used by anyone other than these specified parties.

We wish to thank Ridge at Apopka Community Development District, City of Apopka, Florida and the personnel associated with it, for the opportunity to be of service to them in this endeavor as well as future engagements, and the courtesies extended to us.

Grau & Associates

March 3, 2026

REPORT TO MANAGEMENT

I. CURRENT YEAR FINDINGS AND RECOMMENDATIONS

None

II. PRIOR YEAR FINDINGS AND RECOMMENDATIONS

None

III. COMPLIANCE WITH THE PROVISIONS OF THE AUDITOR GENERAL OF THE STATE OF FLORIDA

Unless otherwise required to be reported in the auditor's report on compliance and internal controls, the management letter shall include, but not be limited to the following:

1. A statement as to whether or not corrective actions have been taken to address findings and recommendations made in the preceding annual financial audit report.

2. There were no significant findings and recommendations made in the preceding annual financial audit report for the fiscal year ended September 30, 2024.

3. Any recommendations to improve the local governmental entity's financial management.

   There were no such matters discovered by, or that came to the attention of, the auditor, to be reported for the fiscal year ended September 30, 2025.

4. Noncompliance with provisions of contracts or grant agreements, or abuse, that have occurred, or are likely to have occurred, that have an effect on the financial statements that is less than material but which warrants the attention of those charged with governance.

   There were no such matters discovered by, or that came to the attention of, the auditor, to be reported, for the fiscal year ended September 30, 2025.

5. The name or official title and legal authority of the District are disclosed in the notes to the financial statements.

6. The District has not met one or more of the financial emergency conditions described in Section 218.503(1), Florida Statutes.

7. We applied financial condition assessment procedures and no deteriorating financial conditions were noted as of September 30, 2025. It is management's responsibility to monitor financial condition, and our financial condition assessment was based in part on representations made by management and the review of financial information provided by same.

8. Management has provided the specific information required by Section 218.39(3)(c) in the Other Information section of the financial statements on page 23.

City of Apopka
CITY COMMISSION STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 4.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Quasi-Judicial - Cold Link Apopka - Revised Major Development Plan

ACTION ITEM INFORMATION:
Owner(s): MG88 Central Florida Cold Storage II LLC
Applicant(s): Joshua Enot
Location: 2560 W. Orange Blossom Trail
Project: New 168,180 SF Building
Density: 0.6 Maximum FAR
Project Manager: Amer Hamza

REQUEST:
Approve the Cold Link Apopka - Major Development Plan.

SUMMARY:
Owner(s): MG88 Central Florida Cold Storage II LLC
Applicant(s): Joshua Enot
Parcel Identification Number(s): 06-21-28-7172-02-011
Location: 2560 W. Orange Blossom Trail
Tract: 27.63 +/- acre(s)
Project: New 168,600 SF Building
Density/Intensity: 0.6 Maximum FAR
Project Manager: Amer Hamza

Direction	Future Land Use	Zoning	Present Use
North	Commercial, County Commercial	I-L (Light Industrial District), County C-3 (Wholesale Commercial District)	Car Dealership, Vacant Land
East	Industrial	I-L (Light Industrial District)	Warehouse
South	Industrial	I-L (Light Industrial District)	Warehouse
West	Industrial	I-L (Light Industrial District)	Warehouse

PROJECT SUMMARY:
The subject property has a total area of approximately 27.63 acres, and has a Future Land Use of Industrial which allows a maximum of 0.6 FAR and has a zoning of I-L (Light Industrial District). The Cold Link Apopka - Major Development Plan details a plan for a new warehouse building onto an existing warehouse facility. This project was previously approved by the Planning Commission on February 10, 2026 and City Commission on March 4, 2026. The project is being revised due to a scrivener's error by the applicant as the original plan had a total square footage of 147,624 square feet. The revised plan details the total square footage of the new building at a total of 168,600 square feet. The I-L (Light Industrial) zoning district requires an open space area of 5%, equivalent to 0.59 acres. The applicant proposes 1.87 acres of open space which includes site landscaping. The I-L (Light Industrial District) allows up to a maximum height of 45’ but the proposed building will have a total height of 56’ 9” which is

permitted through a height variance that was approved by the Planning Commission on June 10, 2025. Access to the site is proposed from Mayflower Avenue to the south of the site. The Mayflower Avenue right-of-way will be improved to city standards. In regard to parking and loading areas, the applicant proposes the following in comparison to the minimum requirement:

Parking Type	Parking Required	Parking Proposed
Regular Spaces	60.2	61
ADA Accessible Spaces	3	3
Total Parking	63.2	64
Loading Berth	14	21
Semi Truck Spaces	0	31

The landscape plan shows a variety of trees being proposed in the project area such as Crape Myrtle, Japanese Privet, and Southern Live Oak trees. There will also be foundation plantings alongside the primary façade and plantings alongside the parking lot as required by LDC Section 5.2.5.A and LDC Section 5.2.5.B.1.C. The revised plan was approved by the development review committee on June 24, 2026.

The Development Review Committee finds that the applicant demonstrates there is competent substantial evidence in the record that all of the following standards are met:
a. The proposed development and use(s) in the development plan comply with Article 3: Zoning Districts, and Article 4: Use Regulations;
b. The development proposed in the development plan and its general layout and design comply with all the standards in Article 5: Development Standards, and Article 6: Environmental Standards;
c. The development proposed in the development plan complies with all conditions of approval in any development approval or permit to which the plan is subject;
d. The development proposed in the development plan complies with all other applicable standards in this LDC and all other City regulations.

Approval of a Major Development Plan does not authorize development on the subject property. Construction Site Plan approval from the Development Review Committee will be required to be obtained prior to site and building construction.

ORANGE COUNTY NOTIFICATION:
Orange County was notified at the time of the site plan submittal for this property through the DRC agenda distribution.

PUBLIC HEARING SCHEDULE:
July 14, 2026 – Planning Commission (5:30 P.M.)
August 5, 2026 – City Council (1:30 P.M.)

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
Development Review Committee:
On June 24, 2026, the DRC found the proposed Cold Link Apopka – Major Development Plan consistent with the Comprehensive Plan and Land Development Code, and recommends approval of the Major Development Plan, based on the findings and facts presented in the staff report and exhibits.

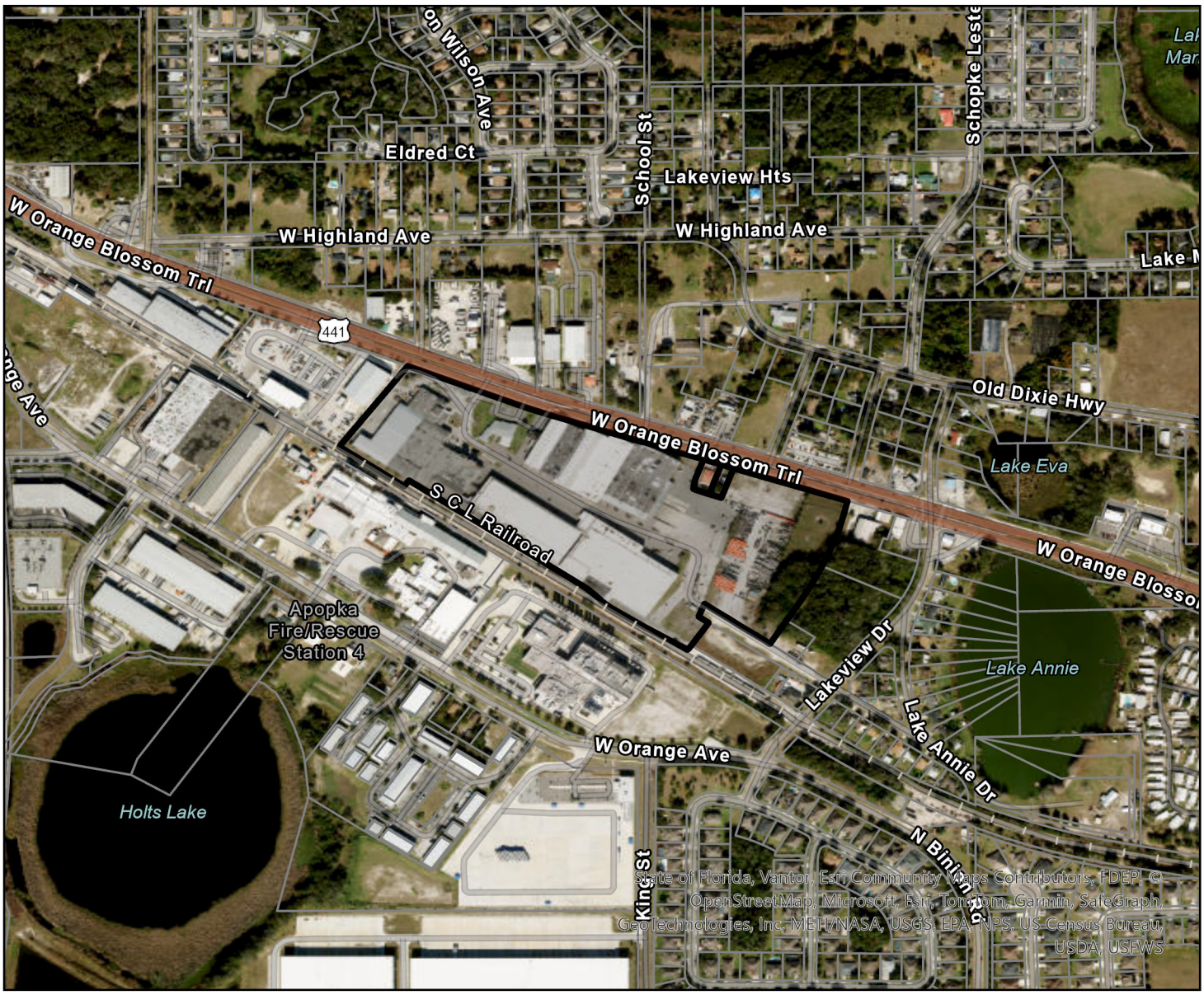
Planning Commission:
On July 14, 2026, the Planning Commission found the proposed Cold Link Apopka – Major Development Plan consistent with the Comprehensive Plan and Land Development Code, and recommends approval of the Major Development Plan, based on the findings and facts presented in the staff report and exhibits.

Recommended Motion - City Commission:
Approve the Revised Cold Link Apopka - Major Development Plan.

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:

1. Map Series
2. Cold Link Apopka - MDP
3. Staff Report for Previously Approved Cold Link Apopka MDP (City Council March 4, 2026)
4. Previously Approved Cold Link Apopka MDP (March 4, 2026 City Council)
5. Cold Link Apopka - Traffic Impact Analysis
6. Cold Link Apopka - ESA



Parcel

Cold Link Apopka

0 0.1 0.21 0.42 Miles

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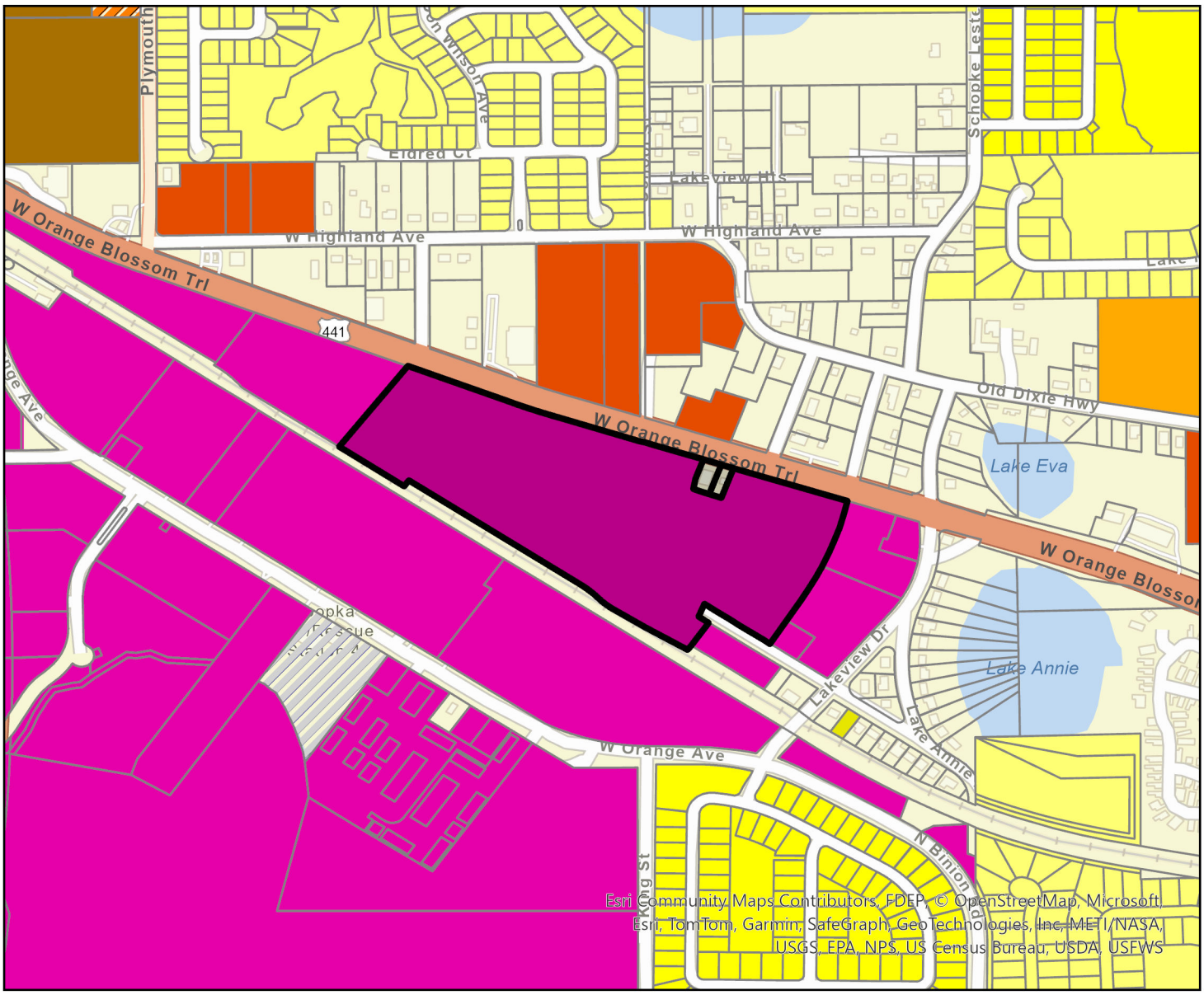


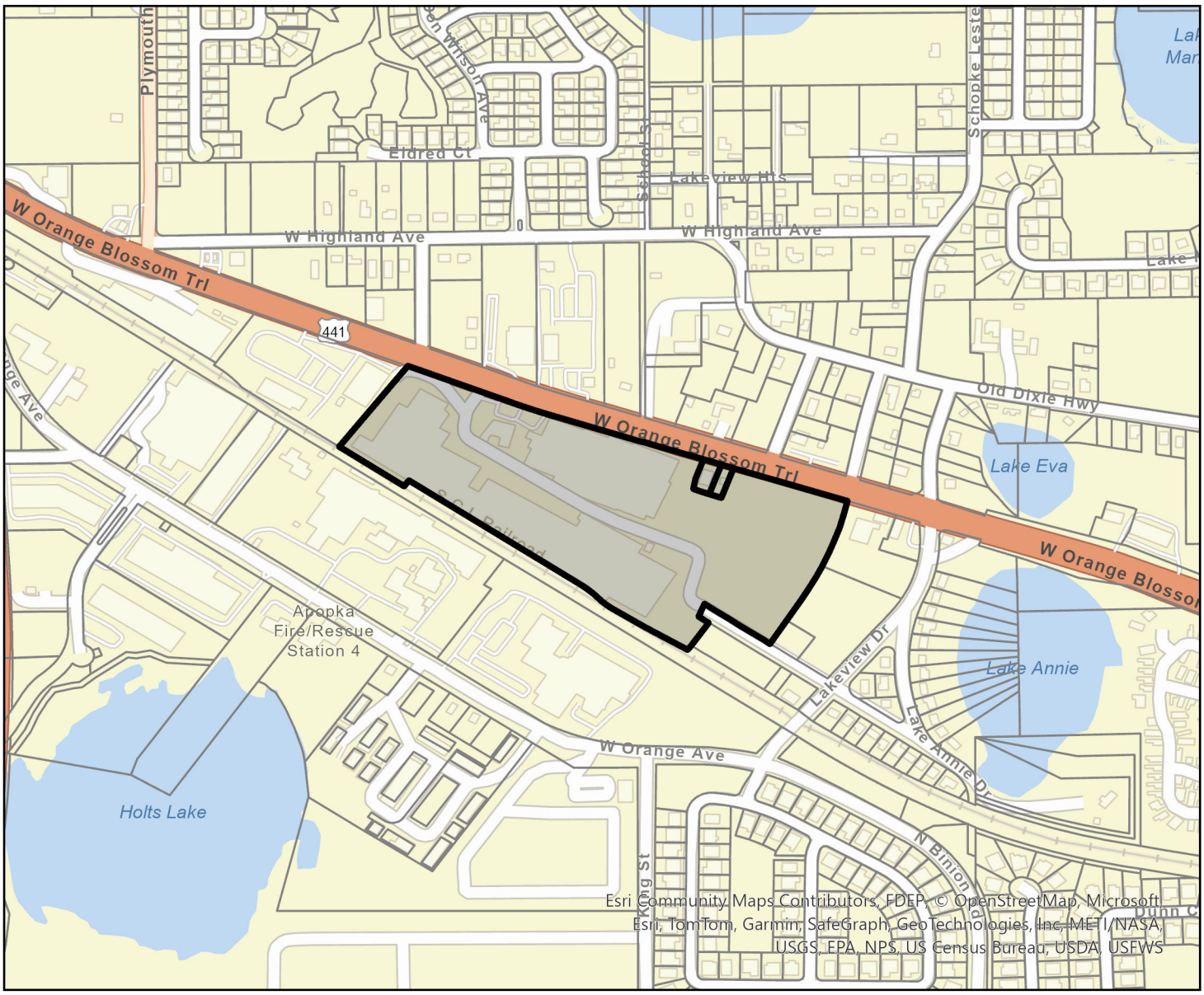
Parcel

Apopka Future Land Use

- AG
- AG-E
- AG-HOME
- COMM
- CONSV
- FLU-IP
- HDR-25
- IND
- INST_PU
- MU
- OFF
- PR
- RE
- RH
- RL
- RLS
- RM
- RML
- RS
- RVLS
- Cold Link Apopka

0 0.1 0.21 0.42 Miles

N



Parcel
Cold Link Apopka

0 0.1 0.21 0.42 Miles

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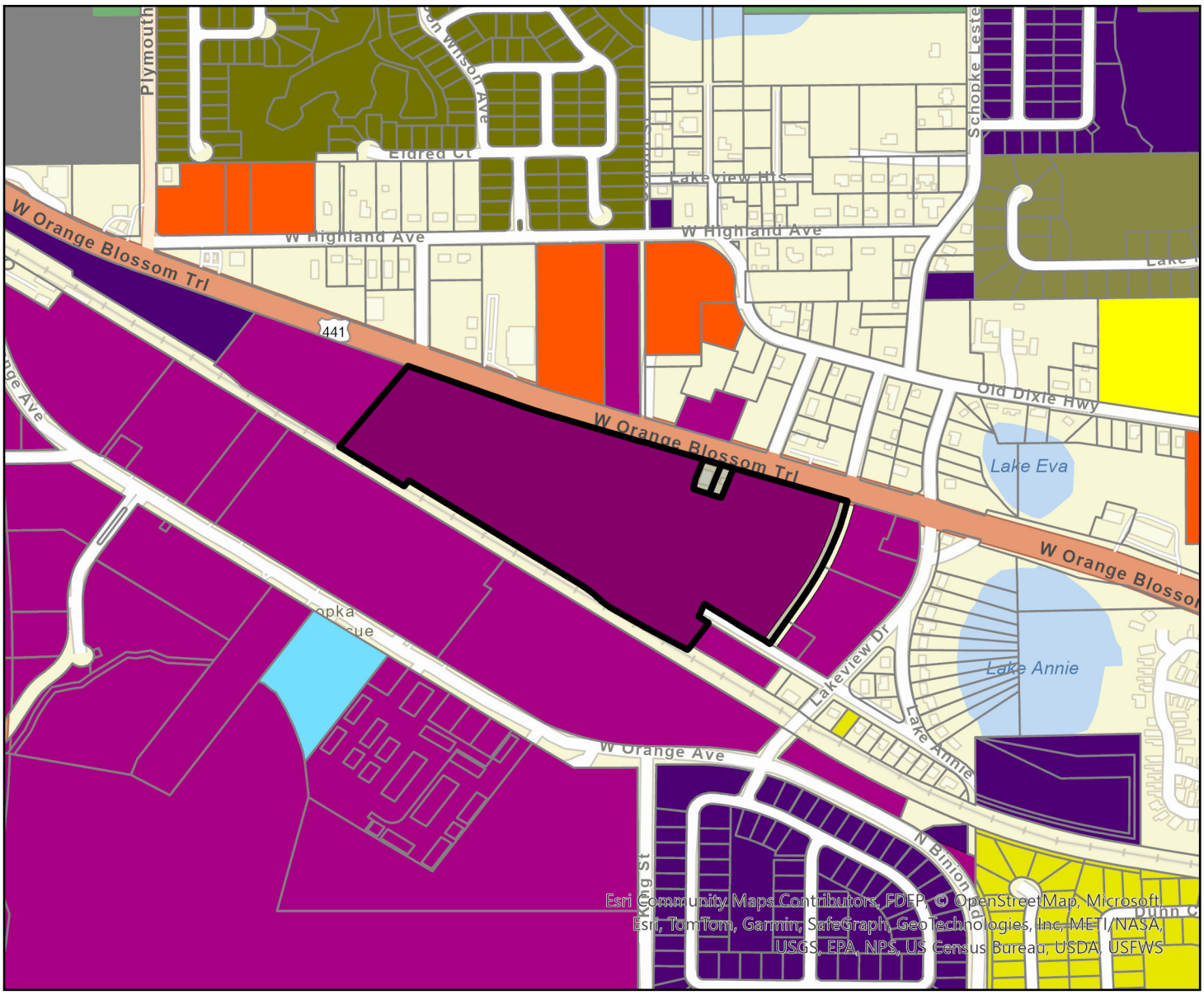


Parcel

Apopka Zoning

- AG
- AIR
- C-C
- C-COR
- C-N
- C-R
- I-H
- I-L
- INST
- MHP
- MU-D
- MU-ES-GT
- MU-INT
- MU-MED
- MU-N
- MU-T
- MU-VC
- O
- PD
- PR
- RCE
- RMF
- RSF-1A
- RSF-1B
- RTF
- T
- Cold Link Apopka

0 0.1 0.21 0.42 Miles

N

MAJOR DEVELOPMENT PLAN

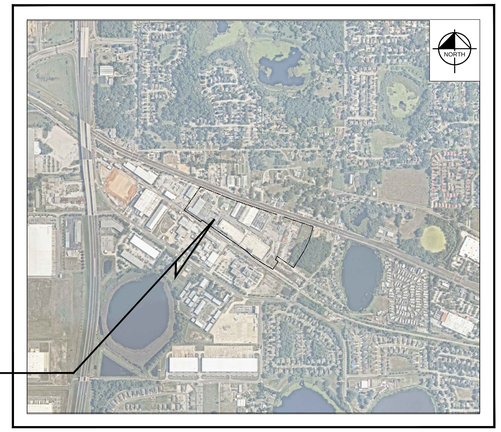
FOR

APOPKA COLD STORAGE

PARCEL #'s:
06-21-28-7172-02-011
06-21-28-7180-09-070
06-21-28-7180-09-050

ORANGE COUNTY, FLORIDA

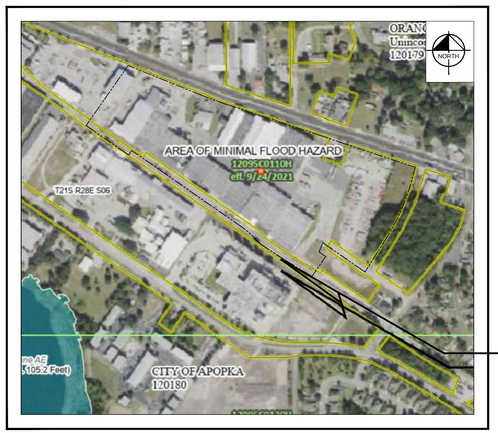
DATE: 06/09/2026



AERIAL PHOTOGRAPH
N.T.S.

LEGAL DESCRIPTION:

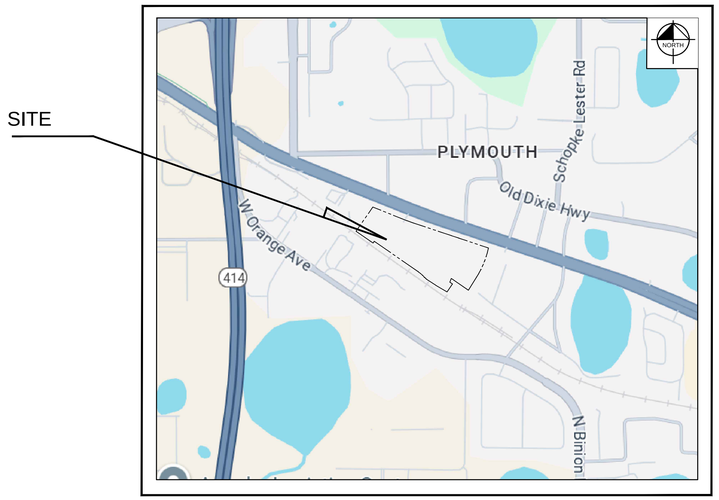
A PORTION OF SECTION 06, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.
LOTS 4 AND 6 OF BLOCK "I", OF PLYMOUTH DELLS, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGE 102, PUBLIC RECORDS OF ORANGE COUNTY FLORIDA. ALSO: THAT PART OF LOT 37, ADJACENT TO AND LYING DIRECTLY SOUTH OF SAID LOTS 5 AND 6 AND BEING A TRACT OF APPROXIMATELY 50 FEET SQUARE, MORE OR LESS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGE 102, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
LOTS 7, 8, AND 9, THE EAST 25 FEET OF LOT 17, AND THE WEST 50 FEET OF LOT 37, BLOCK 1, PLYMOUTH DELLS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGES 102 AND 103 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, LESS ROAD RIGHT OF WAY.



FEMA MAP
N.T.S.



SOILS MAP
N.T.S.
50 - Urban Land



LOCATION MAP
N.T.S.

PROJECT TEAM

OWNER/DEVELOPER
MG88 CENTRAL FLORIDA
COLD STORAGE II, LLC
4000 HOLLYWOOD BOULEVARD,
SUITE 650-N
HOLLYWOOD, FL 33021

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
CONTACT: JOSHUA ENOT
PHONE: 321-754-0413
EMAIL: JOSHUA.ENOT@KIMLEY-HORN.COM

SURVEYOR:
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
6500 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810-4350
CONTACT: JAMES E. MAZURAK, P.S.M.
PHONE: (407) 292-8580

UTILITY PROVIDERS

WATER, SEWER, AND RECLAIMED WATER :
CITY OF APOPKA
COMMUNITY DEVELOPMENT DEPARTMENT
120 E. MAIN STREET, 2ND FLOOR
APOPKA, FLORIDA 32703
PHONE: (407) 703-1712

ELECTRIC :
DUKE ENERGY
2001 OLD SCENIC HWY
LAKE WALES, FL 33853

PREPARED BY
Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
200 S Orange Ave, Suite 600, Orlando, FL 32801
Phone: (407) 898-1511
WWW.KIMLEY-HORN.COM Registry No. 35106

JOSHUA M. ENOT
LICENSE
No. 93160
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Digitally signed by Joshua Enot
DN: CN=JE, E=joshua.enot@kimley-horn.com, O=Joshua Enot, OU=Joshua Enot, C=US
Reason: I am the author of this document
SERIAL NUMBER=A01410D0000018B0A3E6460E0001372
Date: 2026.06.10 17:39:27-04'00'

JOSHUA M. ENOT, P.E.
93160

Sheet List Table

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C4.0	EXISTING CONDITIONS AND DEMO PLAN
C4.1	DETAILED EXISTING CONDTIONS AND DEMO PLAN
C4.2	DETAILED EXISTING CONDTIONS AND DEMO PLAN
C5.0	OVERALL SITE PLAN
C5.1	DETAILED SITE PLAN
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L1.02	LANDSCAPE PLAN
L1.03	LANDSCAPE PLAN
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No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

SHEET NUMBER
C0.0

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Drawing name: K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Plansheets\C0.0 COVER.dwg C0.0 COVER SHEET Jun 10, 2026 4:58pm by: Joshua.Enot

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GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISTRIBUTION SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL OTHER UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. CONTRACTOR SHALL CALL "SUNSHINE ONE" AT 811 TO HAVE EXISTING UTILITIES LOCATED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
2. THE LOCATIONS OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR SHALL HALT CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.
3. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS AND STORM DRAINAGE SYSTEMS, ON AND / OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY.
4. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, SUCH AS RIGHT OF WAY PERMIT(S), EXCAVATION/FILL PERMIT(S), FIRE PROTECTION PERMIT(S), OR UNDERGROUND UTILITY PERMIT(S), PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA OF APPLICABLE AGENCIES, SCHEDULING OF INSPECTIONS, AND OBTAINING REQUIRED INSPECTIONS FROM AGENCY.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR REVIEW. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.) ARE TO BE INSTALLED WITHIN 5' OF BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS.
9. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN R-O-W UTILIZATION PERMIT (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITIES. THIS PERMIT MUST BE OBTAINED BY A DULY LICENSED PLUMBING CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO THE START OF CONSTRUCTION. THESE PLANS AND ANY SUBSEQUENT REVISIONS TO THESE PLANS, THAT ARE ISSUED BY THE ENGINEER, WILL BE SUBJECT TO THE APPROVAL CONDITIONS OF THIS PERMIT.
11. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND/OR REVISIONS, INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES.
12. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION.
13. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.
14. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE HIS/HER ACTIVITIES ACCORDINGLY.
15. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
16. ALL SIGNAGE MUST COMPLY WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
17. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING ACTIVITIES NECESSARY TO PERFORM THE WORK WITHIN THESE PLANS.
18. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
19. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD RESTRICTIONS IN HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
20. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A A LICENSED LAND SURVEYOR CURRENTLY REGISTERED IN THE STATE OF FLORIDA.
21. CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUT MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
22. ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2023-24 EDITIONS OF FDOT STANDARD PLANS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2017 UTILITY ACCOMMODATION MANUAL.

TREES AND VEGETATION

1. THE CONTRACTOR IS TO MINIMIZE THE REMOVAL OF VEGETATION TO THE GREATEST EXTENT PRACTICAL. SEE DEMOLITION PLAN FOR TREES TO BE REMOVED. TREES IN CLOSE PROXIMITY TO CONSTRUCTION SHALL BE PROTECTED BY WOOD FENCING PER DETAIL ON SHEET C2.1.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

DEMOLITION

1. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
2. EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS.
3. CONTRACTOR SHALL CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN".
5. CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
6. CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
7. CONTRACTOR SHALL DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED".
8. CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.

STORM DRAINAGE SYSTEM

1. STANDARD INDEXES REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS."
2. THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" IS REFERRED TO FOR THE STRUCTURAL DESIGN OF DRAINAGE STRUCTURES SPECIFIED IN THESE PLANS, AS REFERENCED BY STANDARD INDEX. ALL SPECIALTY DRAINAGE STRUCTURES REQUIRE SEPARATE STRUCTURAL DESIGN, WHICH IS NOT INCLUDED IN THESE PLANS. STATION OFFSETS ARE TO THE CENTERLINE OF THE STRUCTURE TOP (I.E. DITCH BOTTOM INLET OR CURB INLET TOP), AS OPPOSED TO THE STRUCTURE BASE.
3. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (ASTM C-76) UNLESS OTHERWISE NOTED ON PLANS. ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED ON PLANS.
4. PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAINAGE STRUCTURES, WITH THE EXCEPTION OF MITERED END AND FLARED END SECTIONS. LENGTHS OF PIPE SHOWN WHICH TERMINATE WITH MITERED END OR FLARED END SECTIONS ARE MEASURED TO THE DOWNSTREAM INVERT OF THE MITERED END OR FLARED END SECTION.
5. ALL DRAINAGE STRUCTURE GRATES AND COVERS, EITHER EXISTING OR PROPOSED SHALL BE TRAFFIC RATED FOR H-20 LOADINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY UPGRADES TO EXISTING DRAINAGE STRUCTURES.
6. CONSTRUCTION OF THE STORMWATER MANAGEMENT SYSTEM MUST BE COMPLETE AND ALL DISTURBED AREAS STABILIZED IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS PRIOR TO ANY OF THE FOLLOWING: ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY; INITIATION OF INTENDED USE OF THE INFRASTRUCTURE; OR TRANSFER OF RESPONSIBILITY FOR MAINTENANCE OF THE SYSTEM TO A LOCAL GOVERNMENT OR OTHER RESPONSIBLE ENTITY.
7. STORM WATER PIPES, STRUCTURES, MINIMUM COVER, AND INSTALLATION PROCEDURES TO BE IN ACCORDANCE WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
8. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.

DRAINAGE SYSTEM TESTING AND INSPECTION

1. THE STORM DRAINAGE PIPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION.
2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNER'S ENGINEER PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS AT THE CONTRACTORS EXPENSE AND PRIOR TO FINAL ACCEPTANCE.

SAFETY

1. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.
2. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL PROVIDE FOR THE SAFETY AND CONTROL OF LOCAL TRAFFIC DURING CONSTRUCTION. ADDITIONAL INFORMATION MAY BE REQUIRED IF LANE CLOSURE DURATIONS ARE LONGER THAN DAYTIME OPERATIONS.

EARTHWORK / GRADING / DEMUCKING PROCEDURES

1. A GEOTECHNICAL ENGINEERING INVESTIGATION REPORT HAS BEEN PREPARED BY TERRACON FOR PURPOSES OF STORM WATER DESIGN, OF WHICH COPIES ARE AVAILABLE THROUGH THE OWNER OR THEIR SOIL TESTING COMPANY. A GEOTECHNICAL ENGINEER SHALL BE RETAINED BY THE CONTRACTOR TO PROVIDE ON-SITE INSPECTIONS DURING EXCAVATION/FILL OPERATIONS AND TESTING OF THE COMPACTED FILL SO THAT PROPER DOCUMENTATION OF THE REQUIRED COMPACTING CRITERIA CAN BE PROVIDED.
2. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS IN A LEGAL MANNER.
3. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION CHANGES. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
4. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED AND REPLACED WITH SUITABLE/COMPACTED SOILS, AS DIRECTED BY THE OWNER OR THEIR SOILS TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
6. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOILS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS.
7. THE CONTRACTOR SHALL INSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR PLACEMENT OF ALL HEADWALL/ENDWALL FOOTINGS, RETAINING WALL FOOTINGS, AND IN GENERAL, ANY FOOTING SUPPORT DESCRIBED ON THESE PLANS. IT WILL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SUFFICIENT SOILS TESTING HAS BEEN PERFORMED PRIOR TO FINAL INSTALLATION OF IMPROVEMENTS.
8. ANY UNSUITABLE ORGANIC SOIL SHALL BE EXCAVATED TO A MINIMUM MARGIN OF 6 FEET BEYOND ITS PERIPHERY EXCAVATED TO EXPOSE THE UNDERLYING NON-ORGANIC FINE SAND.
9. IF DETERMINED NECESSARY, DEWATERING DURING EXCAVATING/BACKFILLING OPERATIONS MAY BE ACCOMPLISHED BY DITCHING AND THE USE OF SUMP PUMPS AND/OR OTHER METHODS (WELL POINTS), AS NECESSARY. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR DEWATERING ACTIVITIES THAT MAY BE REQUIRED.
10. UPON APPROVAL OF THE GEOTECHNICAL ENGINEER, THE EXCAVATED AREAS MAY BE BACKFILLED WITH CLEAN FINE SAND FREE OF UNSUITABLE OR DELETERIOUS MATERIAL. HOWEVER, THE FILL SHOULD NOT BE PLACED IN MORE THAN 6 INCHES OF STANDING WATER. ONCE THE FILL IS AT LEAST 2 FEET ABOVE THE DEWATERED LEVEL, BACKFILLING MAY PROCEED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

PAVING, GRADING AND DRAINAGE

1. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
4. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL F.D.O.T. TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS.
5. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE SOILS ENGINEER FOR APPROVAL.
6. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (STRUCTURES, OTHER POURED)
7. ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH F.D.O.T. DESIGN STANDARDS.
8. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.
9. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
10. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES.
11. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR AT CONTRACTORS EXPENSE.
12. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
13. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND JURISDICTIONAL PERMITTING AGENCIES.
14. ALL WORK SHALL COMPLY WITH THE GEOTECHNICAL REPORT BY TERRACON.
15. CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITH BAHIA UNLESS OTHERWISE NOTED.

PAVING/GRADING TESTING AND INSPECTION

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE SOILS REPORT. UPON COMPLETION OF WORK THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
2. A QUALIFIED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS AND GEOTECHNICAL REPORT, THE VARIOUS AGENCIES AND PERMIT CONDITIONS. SHOULD ANY RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THESE REQUIREMENTS, THE CONTRACTOR WILL BEAR ALL COSTS OF SAID RETESTING.

PAVEMENT MARKING AND SIGNAGE

1. THE INSTALLATION, SHAPE, AND SIZE OF ALL SIGNS AND THEIR LETTERING SHALL COMPLY WITH THE LATEST EDITIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE F.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM". WHERE CONFLICTS EXIST BETWEEN THE PLANS AND THE ABOVE MENTIONED SPECIFICATIONS, THE MORE STRINGENT CRITERIA SHALL PREVAIL.

TEST, INSPECTION AND CLOSEOUT REQUIREMENTS

1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH A TELEVISED INSPECTION (TV) OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. TV INSPECTION SHALL BE IN ACCORDANCE TO THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL. THE CONTRACTOR SHALL PROVIDE COPIES OF THE TV INSPECTION TAPE TO THE ENGINEER, THE OWNER AND THE APPLICABLE MUNICIPALITY/AGENCY.
2. THE CONTRACTOR SHALL PERFORM LEAKAGE TESTS ON ALL GRAVITY SEWERS PER THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
3. AN AS-BUILT SURVEY SHALL BE PREPARED IN ACCORDANCE WITH CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE (F.A.C.), PURSAUNT TO CHAPTER 472, FLORIDA STATUTES (F.S.) SHALL BE REQUIRED.
4. THE CONTRACTOR SHALL PROVIDE UTILITY AS-BUILT AND GRADING/DRAINAGE AS-BUILT RECORD DRAWINGS BASED ON THE CIVIL DESIGN PLAN SHEETS. ALL AS-BUILTS SHALL BE OVERLAID ON THE CIVIL DESIGN PLANS WITH THE DESIGN SHADED BACK AND THE AS-BUILT BOLD. THE AS-BUILTS SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
5. THE UTILITY AS-BUILT SHALL INCLUDE ALL SANITARY SEWERS AND FORCE MAIN SYSTEMS, POTABLE AND RECLAIMED WATER MAIN SYSTEMS, METERS, VALVES, FORCE MAINS, GAS MAINS, AND IRRIGATION LINES (2-INCH AND LARGER). CONTRACTOR TO PROVIDE ALL UTILITY CROSSING INFORMATION ON THE AS-BUILT. THE UTILITY AS-BUILTS SHALL IDENTIFY ALL WATER MAIN CROSSINGS WITH STORM AND SANITARY LINES INDICATING TOP OF PIPE AND INVERTS OF THE ABOVE CROSSING PIPE ALONG WITH CLEARANCE DIMENSIONS. THIS SHALL ALSO BE DONE FOR SANITARY/STORM CROSSINGS. ALL TEMPORARY SAMPLE POINT NUMBER (TSP#) LOCATIONS SHALL ALSO BE NOTED ON THE AS-BUILT. CONTRACTOR TO ALSO PROVIDE AN AS-BUILT ASSET TABLE IDENTIFYING SIZE OF PIPE OR FITTING AS WELL AS DEPTH TO TOP OF PIPE AND NORTHING AND EASTING OF EACH FITTING/VALVE, ETC. AS-BUILT DRAWINGS SHALL PROVIDE GPS COORDINATES FOR SANITARY STRUCTURES.
6. THE GRADING/DRAINAGE AS-BUILT SHALL INCLUDE ALL CONSTRUCTED IMPROVEMENTS THAT HAVE LOCATION AND/OR ELEVATION INFORMATION CALLED-OUT ON THE PLANS. THE AS-BUILT SHALL CLEARLY PROVIDE THE SAME INFORMATION IDENTIFIED ON THE DESIGN DOCUMENTS AND ALSO THE CONSTRUCTED LOCATIONS AND ELEVATIONS AS-BUILT INFORMATION.
7. THE CONTRACTOR SHALL PROVIDE A SIGNED AND SEALED LETTER FROM THE INDEPENDENT TESTING AGENCY THAT STATES CONFORMANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS FOR COMPACTION TESTING. THE CONTRACTOR IS TO PROMPTLY NOTIFY THE OWNER AND ENGINEER OF RECORD WHEN ANY TESTING OR INSPECTIONS ARE DEFICIENT OR IRREGULAR.

No.	REVISIONS	DATE	BY
1	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
2	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
3	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
4	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

Kimley»Horn
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL NOTES

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER C1.0

STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

APOPKA COLD STORAGE
*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

OWNER:
COLD LINK LOGISTICS, LLC

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF A PROPOSED COLD STORAGE FACILITY EXPANSION LOCATED IN THE SOUTHEAST CORNER OF ORANGE BLOSSOM TRAIL AND LAKE VIEW DRIVE WITHIN THE CITY OF APOPKA. THE PROJECT CONTAINS 3 PARCELS WITH PARCEL NUMBER 06-21-28-7172-02-011, 06-21-28-7180-09-070, AND 06-21-28-7180-09-050. THE PROJECT IS APPROXIMATELY +/- 27.69 ACRES AND CURRENTLY HAS ROUGHLY FOUR EXISTING BUILDINGS INDUSTRIAL BUILDING WITH LOADING DOCKS AND PARKING STALLS. THE SITE ALSO HAS TWO EXISTING HOUSES BETWEEN THE EXISTING INDUSTRIAL BUILDING AND EXISTING TRUCK PARKING LOT AREA AND WILL PROPOSE THOSE TWO PARCELS TO BE REZONED ONCE ANNEXED INTO CITY OF APOPKA. ONCE REZONED, THE DEVELOPMENT CONSISTS OF THE RENOVATION OF ONE OF THE EXISTING BUILDINGS, A PROPOSED PUMP BUILDING, AN ADDITIONAL COLD STORAGE FACILITY WITH A LOADING DOCK DOOR AND AN ASSOCIATED PARKING LOT AND STRIPING.

PROJECT AREA: 27.69 ACRES

CONTRIBUTING DRAINAGE AREA: 25.90 ACRES

TOTAL CONSTRUCTION AREA: 25.90 ACRES

LONGITUDE : -81.552853 LATITUDE: 28.690683

ULTIMATE RECEIVING WATERS: xxxx

ACTIVITIES THAT REQUIRE EROSION CONTROL

SITE CLEARING AND GRUBBING; PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION FOR THE RETENTION POND; SITE GRADING; INSTALLATION OF STORM WATER, SANITARY SEWER, AND WATER STRUCTURES; CURB, ROADWAYS, AND PARKING FACILITIES.

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SOIL PARAMETERS

SOIL TYPES:

NO.	SERIES NAME	HYDROLOGIC GROUP
6	CANDLER–APOPKA FINE SAND, 5 TO 12% SLOPES	A
47	TAVARES–MILLHOPPER FINE SANDS, 0 TO 5% SLOPES	A

DEWATERING

DISCHARGE OF GROUNDWATER FROM DEWATERING OPERATIONS REQUIRES APPROVAL FROM FDEP AND THE APPLICABLE WATER MANAGEMENT DISTRICT. DISCHARGES DIRECTED TO THE COUNTY'S MS4 REQUIRES A RIGHT-OF-WAY UTILIZATION PERMIT FOR DEWATERING PRIOR TO THE START OF DISCHARGES. TO OBTAIN RIGHT-OF-WAY APPROVAL, COPIES OF THE FDEP PERMIT NOI, DOCUMENTATION SHOWING DEWATERING AT THE SITE IS NOT WITHIN 500 FT OF KNOWN CONTAMINATION, AND A DEWATERING PLAN SHALL BE SUBMITTED TO ALEXIS CLARK, ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION (407-836-1433) AND ORANGE COUNTY PUBLIC WORKS DEVELOPMENT ENGINEERING PERMITTING SECTION. ANALYTICAL SAMPLING OF GROUNDWATER MAY BE REQUESTED BY ORANGE COUNTY ON A CASE-BY-CASE BASIS TO CONFIRM SITE CONTAMINATION STATUS.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
3. CLEAR AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD AND PARKING AREA
11. FINISH GRADING ENTIRE SITE
12. CONSTRUCT FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT
14. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

STORM WATER MANAGEMENT

STORMWATER WILL BE COLLECTED BY THE CATCH-BASINS ON SITE AND WILL BE DIRECTED TO THE DRY POND. THE DRY POND SYSTEM WILL TREAT AND ATTENUATE RUNOFF IN ACCORDANCE WITH SJRWMD SPECIFICATIONS AND THE CITY OF APOPKA LAND DEVELOPMENT CODE.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY.

STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-ON AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFF-SITE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.

DUST & DEBRIS CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG HAUL ROUTES AND ROADWAYS USED BY THE EQUIPMENT AND VEHICLES. THE CONTRACTOR SHALL ENSURE THAT EXCESSIVE DUST IS NOT TRANSPORTED BEYOND THE LIMITS OF CONSTRUCTION IN POPULATED AREAS. THE CONTRACTOR MAY CONTROL DUST FOR EMBANKMENTS OR OTHER CLEARED OR UNSURFACED AREAS BY APPLYING WATER. INSTALL MULCH, SEED, SOD, OR TEMPORARY PAVING AS EARLY AS PRACTICAL. CONTROL DUST DURING STORAGE AND HANDLING OF DUSTY MATERIALS BY WETTING, COVERING, OR OTHER MEANS AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL ENFORCE REDUCED VEHICLE SPEEDS ON UNPAVED ROADS AND IF NECESSARY PROHIBIT CONSTRUCTION GRADING WHEN WIND GUSTS EXCEED 25 MPH, OR OTHERWISE DIRECTED BY E.O.R. OR COUNTY INSPECTOR.

DEBRIS AND TRASH SHALL NOT BE ALLOWED TO ACCUMULATE ON THE PROJECT SITE. CONTRACTOR SHALL COLLECT LOOSE DEBRIS & TRASH DAILY, AND DISPOSE OF IT INTO APPROPRIATE CONSTRUCTION TRASH RECEPTACLES OR CONTAINERS.

ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE:

-ASPHALT
-CONCRETE
-FERTILIZERS
-METAL PIECES
-PETROLEUM BASED PRODUCTS
-TAR
-CLEANING SUPPLIES
-DETERGENTS
-MASONARY BLOCK/BRICKS
-PAINT
-WOOD

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-WATER FROM WATER LINE FLUSHING
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.

-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.

-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.

-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

-THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

-PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.

-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF EACH 0.5 INCH OR GREATER RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

-THE SILT FENCE SHALL BE INSPECTED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.

-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.

-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.

-DIVERSION DIKES SHALL BE INSPECTED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABALIZED AREAS SHALL BE RE-SODDED.

-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____ DATE:_____

JOSHUA M. ENOT, P.E.
FLORIDA REGISTRATION NUMBER: 93160
PROFESSIONAL ENGINEER

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FORM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

NO.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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PHONE: (407) 898-1511
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

SWPPP

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
C2.0

Plotted By: Enot, Joshua Sheet Set: Cold Link CD Layout: C2.0 STORMWATER POLLUTION PREVENTION PLAN June 10, 2026 04:38:20pm K:\ORL_Civil\049607003-Cold Link Apopka\CAD\MDP\Plansheets\C2.0-SWPPP.dwg
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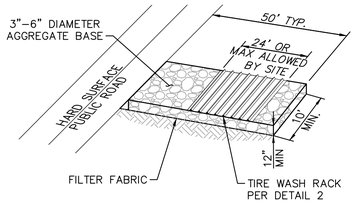


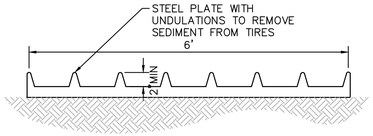
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.

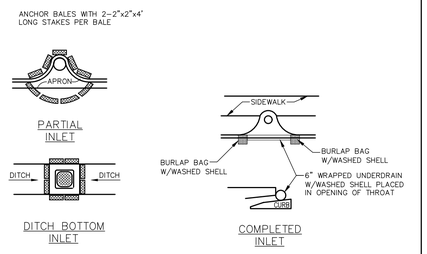
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

STABILIZED CONSTRUCTION ENTRANCE 1

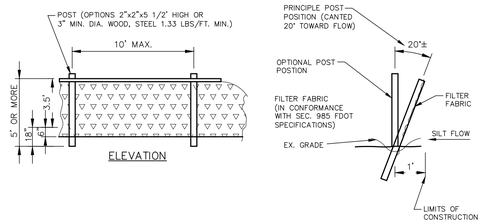


STEEL PLATE DETAIL

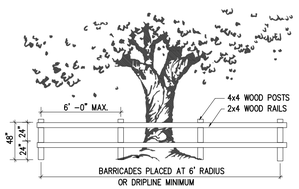
TIRE WASH RACK 2
N.T.S.



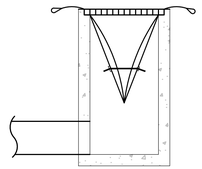
INLET PROTECTION 3
N.T.S.



TYPICAL SILT FENCE 4
N.T.S.



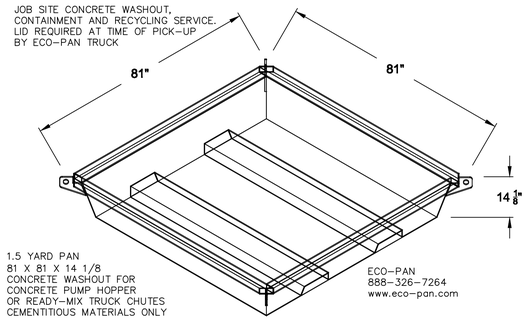
TREE PROTECTION DETAIL
NTS



INSTALLATION DETAIL

BAG DETAIL

STANDARD INLET SEDIMENT CONTROL DEVICE
NTS



NOTE:

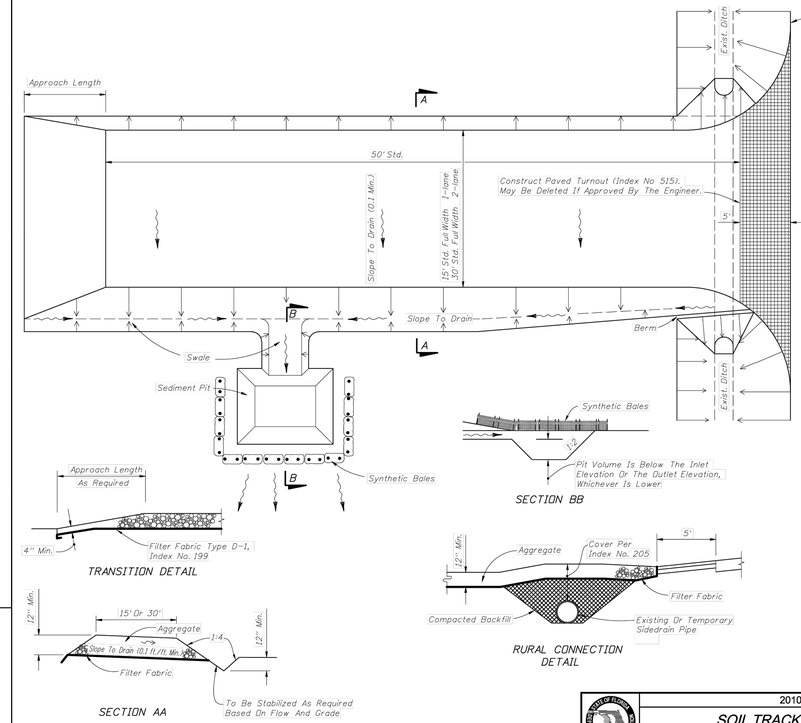
1. WASHOUT AREA TO CONTAIN A MINIMUM OF 3 CY (IE 9' BY 9' BY 1' DEEP).

2. REMOVE AND LEGALLY DISPOSE OF WASTE MATERIAL WHEN IT ACCUMULATES TO 2/3 OF WET STORAGE CAPACITY.

3. CONCRETE WASHOUT AREA TO BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY.

4. UPON COMPLETION OF CONSTRUCTION ACTIVITIES REQUIRING CONCRETE WASHOUT, REMOVE WASHOUT AND RESTORE THE AREA TO FINISH GRADE.

CONCRETE TRUCK WASHOUT 5
N.T.S



GENERAL NOTES

1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where off–site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
2. The Contractor may propose an alternative technique to minimize off–site tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
4. Aggregates shall be as described in Section 901 excluding 901–2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are unsuitable.
5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:
   15'x 50'=100 ft.³ 30' x 50'=200 ft.³
   As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, synthetic bales or silt fence shall be placed along the entire length.
6. The swale ditch draining the STPD shall have a 0.02% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
7. Mitered end sections are not required when the sidedrain pipe satisfies the clear zone requirements.
8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent off–site tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.
9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD; including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Synthetic Bale or Bale Type Barrier shall be paid for under the contract unit price for Synthetic Bales, LF. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
10. The nominal size of a standard STPD is 15'x 50' unless otherwise shown in the plans. If the volume of entering and existing vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.

2010 FDOT Design Standards

SOIL TRACKING PREVENTION DEVICE TYPE A

Last Revision	Sheet No.
07/01/07	1 of 1
Index No.	
106	

No.	REVISIONS	DATE	BY
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EROSION CONTROL DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C3.0

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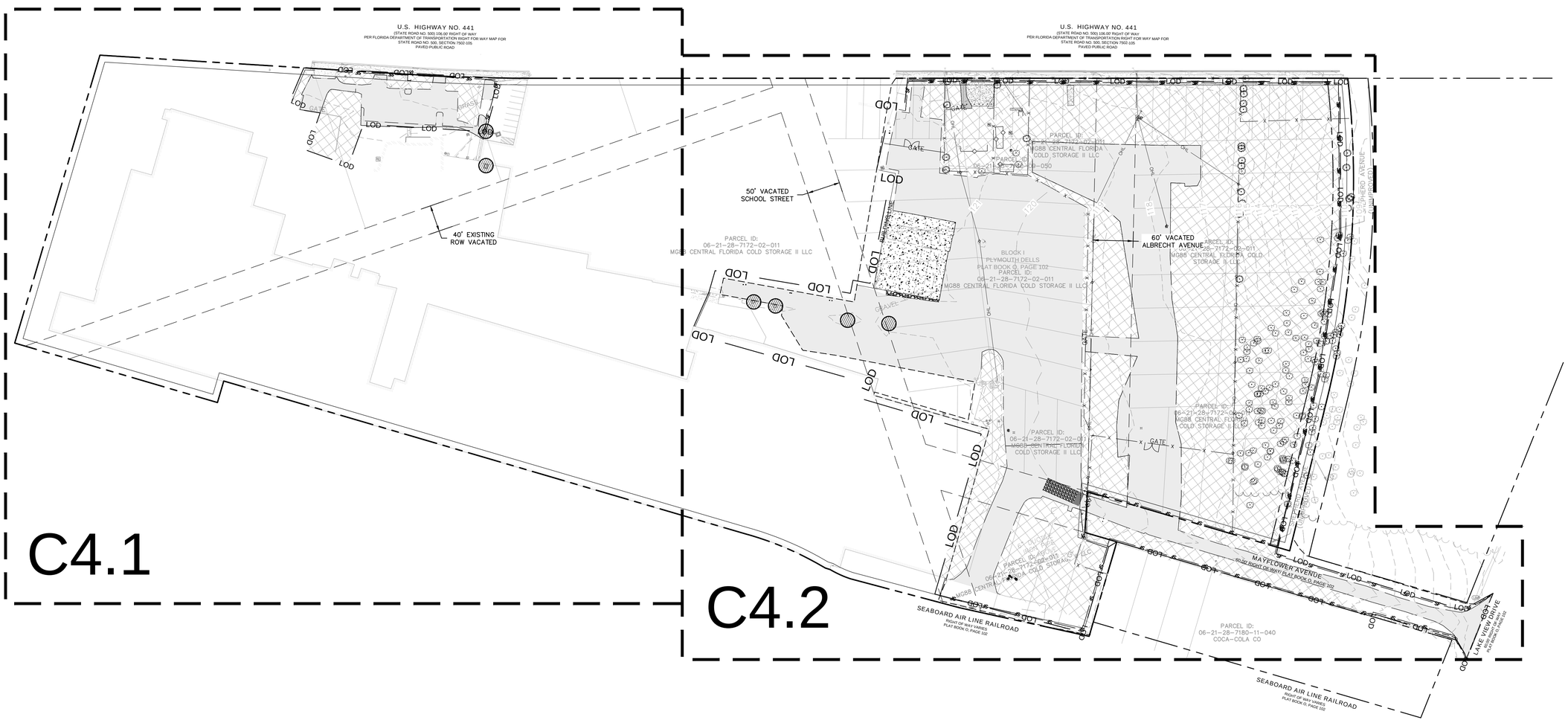

LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE/CURB TO BE REMOVED
- GRAVEL TO BE REMOVED
- AREA TO BE CLEARED AND GRUBBED. EXISTING SITE FEATURES TO BE REMOVED OR DEMOLISHED UNLESS OTHERWISE NOTED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- PROPERTY LINE
- SEDIMENT BAGS
- SF — SF — SILT FENCE
- CENTER LINE
- EASEMENT / SETBACK LINE
- LOD — LIMITS OF DISTURBANCE
- INLET PROTECTION
- GEOTECH BORING

NOTES

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C3.0. IN THE EVENT THAT ADDITIONAL STRENGTH IS NEEDED, FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C3.0.
6. UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C3.0.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS, SEE SHEET C3.0.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ANY EXISTING WELLS (I.E. ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
11. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
12. IF ANY SEPTIC TANKS OR DRAIN FIELDS ARE FOUND, CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR REMOVAL.
13. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
14. CONTRACTOR TO MAINTAIN EXISTING OFF-SITE AND ONSITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION
15. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE TOPOGRAPHIC SURVEY PROVIDED BY LEADING EDGE LAND SERVICES, INC. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS AREA PRIOR TO CONSTRUCTION WORK.
16. ELEVATIONS SHOWN ON THIS PLAN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
17. THERE MAY BE AN ON-SITE SEPTIC SYSTEM. CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR THE ABANDONMENT AND REMOVAL OF THE SEPTIC SYSTEM.
18. CONTRACTOR TO FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR THE REMOVAL OF ANY SEPTIC TANKS AND/OR DRAIN FIELDS IF THEY ARE FOUND ON SITE AT THE TIME OF CONSTRUCTION.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

Always call 811 two full business days before you dig to have underground utilities located and marked.
Sunshine811.com

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DRAWN BY JAM
CHECKED BY JME

EXISTING CONDITIONS AND DEMO PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C4.0

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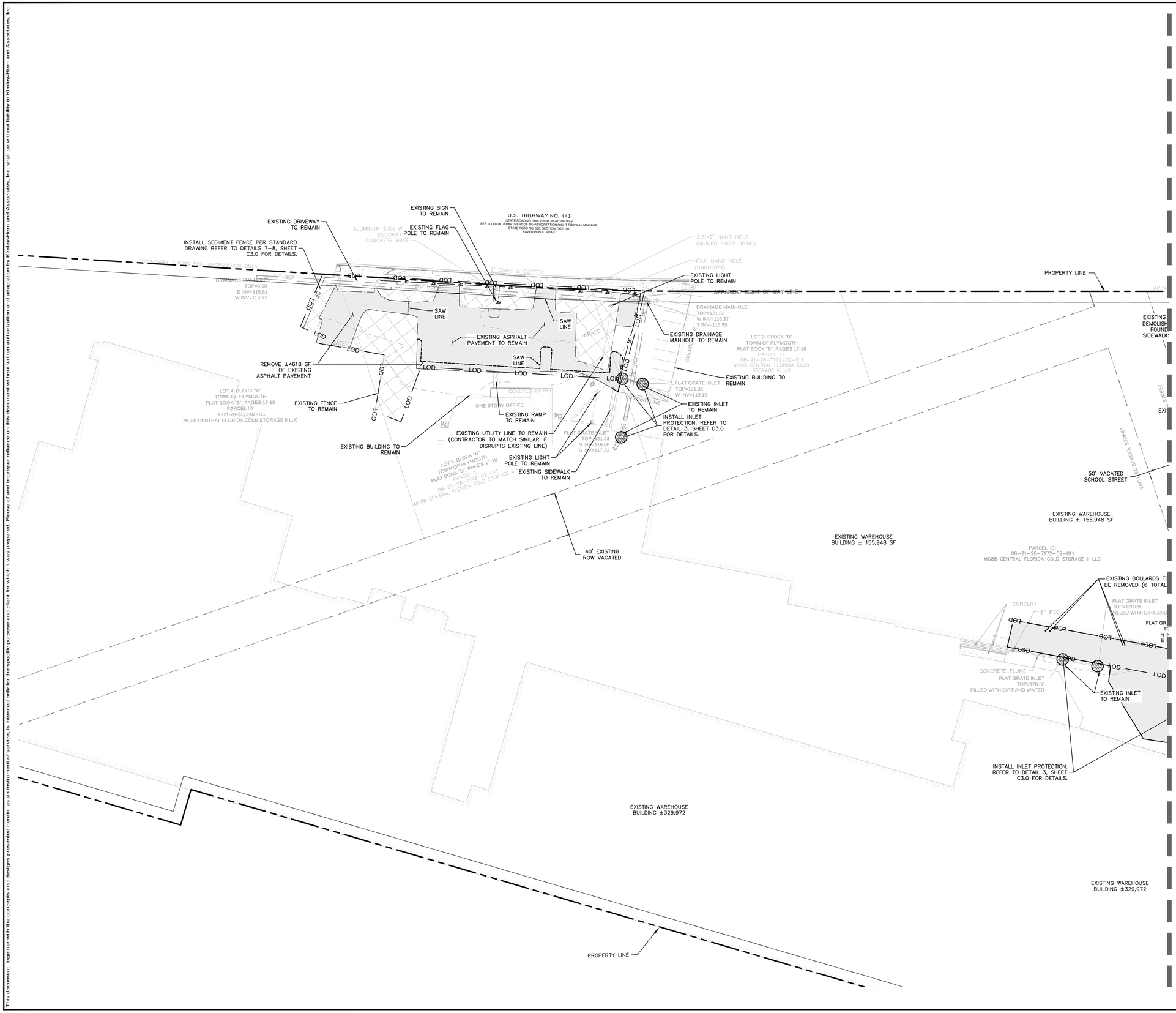

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NORTH

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- CENTER LINE
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- LOD LIMITS OF DISTURBANCE
- INLET PROTECTION
- GEOTECH BORING
- EXISTING TREE TO BE PROTECTED
- EXISTING TREE TO BE REMOVED

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11. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
12. IF ANY SEPTIC TANKS OR DRAIN FIELDS ARE FOUND, CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR REMOVAL.
13. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
14. CONTRACTOR TO MAINTAIN EXISTING OFF-SITE AND ONSITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION
15. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE TOPOGRAPHIC SURVEY PROVIDED BY LEADING EDGE LAND SERVICES, INC. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS AREA PRIOR TO CONSTRUCTION WORK.
16. ELEVATIONS SHOWN ON THIS PLAN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
17. THERE MAY BE AN ON-SITE SEPTIC SYSTEM. CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR THE ABANDONMENT AND REMOVAL OF THE SEPTIC SYSTEM.
18. CONTRACTOR TO FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR THE REMOVAL OF ANY SEPTIC TANKS AND/OR DRAIN FIELDS IF THEY ARE FOUND ON SITE AT THE TIME OF CONSTRUCTION.

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED EXISTING CONDTIONS AND DEMO PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C4.1

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MATCHLINE SHEET C4.1

EXISTING BRICK PAVEMENT TO BE REMOVED

EXISTING ONE-STORY BUILDING TO BE DEMOLISHED INCLUDING IT'S FOOTINGS, FOUNDATION, CANOPIES, PLANTERS, SIDEWALKS AND CONNECTED UTILITIES.

EXISTING AIR CONDITIONING UNIT TO BE REMOVED

REMOVE EXISTING SIGN

50' VACATED SCHOOL STREET

EXISTING ±95 LF WALL WITH HANDRAIL TO BE REMOVED

EXISTING ±89 LF WALL WITH HANDRAIL TO BE REMOVED

EXISTING ±95 LF TRENCH DRAIN TO BE REMOVED

EXISTING WAREHOUSE BUILDING ± 155,948 SF

EXISTING BOLLARDS TO BE REMOVED (6 TOTAL)

EXISTING ±25 LF PIPE TO BE REMOVED

EXISTING ±62 LF PIPE TO BE REMOVED

EXISTING INLET TO REMAIN

EXISTING INLET TO BE REMOVED

INSTALL INLET PROTECTION. REFER TO DETAIL 3, SHEET C3.0 FOR DETAILS.

EXISTING LOADING DOCK AREA (±12,107 SF OF CONCRETE) AND ASSOCIATED APPARATUS TO BE REMOVED

EXISTING MECHANICAL ROOM TO REMAIN

EXISTING FIRE SPRINKLER SYSTEM TO REMAIN

EXISTING WAREHOUSE BUILDING ±329,972

STOCKPILE AREA

8" DUCTILE IRON PIPE POSSIBLE GAS VALVE PAINTED YELLOW

SEABOARD AIR LINE RAILROAD

EXISTING DRAINAGE INLET TO REMAIN

EXISTING ±1,675 SF CONCRETE PAVEMENT TO BE REMOVED

CONCRETE BOLLARD TO BE REMOVED (8 TOTAL)

SAWCUT AND REMOVE EXISTING ±337 SIDEWALK/CONCRETE PAVEMENT

EXISTING OVERHEAD LINE TO BE RE-ROUTED ALONG WITH EXISTING LIGHT POLE

EXISTING METAL SHED TO BE REMOVED

EXISTING WOOD SHED TO BE REMOVED

EXISTING DUMPSTER ENCLOSURE AND STORAGE BUILDING TO BE DEMOLISHED INCLUDING IT'S FOOTINGS, BOLLARDS, GATES AND CONNECTED UTILITIES.

60' VACATED ALBRECHT AVENUE

EXISTING POWER POLE TO BE REMOVED

SAWCUT AND REMOVE ±176,194 SF EXISTING ASPHALT PAVEMENT

REMOVE ±2,757 LF OF EXISTING GATE/FENCE (TYP.)

EXISTING SIDEWALK TO REMAIN

INSTALL SEDIMENT FENCE PER STANDARD DRAWING REFER TO DETAILS 7-8, SHEET C3.0 FOR DETAILS.

EXISTING DRAINAGE INLET TO REMAIN

INSTALL INLET PROTECTION. REFER TO DETAIL 3, SHEET C3.0 FOR DETAILS.

REMOVE EXISTING GATE/FENCE (TYP.)

EXISTING POWER POLE TO BE REMOVED

EXISTING ELECTRIC SERVICE FIXTURE TO BE RE-ROUTED IF NEEDED

SITE BENCHMARK SET 5/8" IRON ROD "SSMC TRAV. PT." ELEVATION=121.84

EXISTING UTILITY APPURTENANCES TO REMAIN

3"Ø WOOD POST WITH 3/4" PVC SPRINT TELEPHONE RISER

LIGHT POLE TO BE REMOVED

ELECTRIC METER TO BE REMOVED

NSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT; PER STANDARD DRAWING REFER TO DETAIL 5, SHEET C3.0 FOR DETAILS. INSTALL TIRE WASH (DRIVE-THROUGH) PER STANDARD DRAWING. REFER TO DETAIL 6, SHEET C3.0 FOR DETAILS

EXISTING ONE-STORY BUILDING TO BE DEMOLISHED INCLUDING IT'S FOOTINGS, FOUNDATION, CANOPIES, PLANTERS, SIDEWALKS AND CONNECTED UTILITIES.

SANITARY AREA, TRASH STORAGE, HAZARDOUS MATERIAL, CONCRETE MANAGEMENT, VEHICLE MAINTENANCE AND EQUIPMENT STORAGE AREA

SITE BENCHMARK SET NAIL & DISK "SSMC TRAV. PT." ELEVATION=120.46

SITE BENCHMARK SET NAIL & DISK "SSMC TRAV. PT." ELEVATION=120.03

SIGN TO BE REMOVED (TYP.)

RELOCATE EXISTING UTILITY; CONTRACTOR TO CONFIRM TYPE/LOCATION WITH OWNER & UTILITY PROVIDER BEFORE START OF WORK

CONCRETE BOLLARD TO BE REMOVED (2 TOTAL)

SAWCUT AND REMOVE ±15,010 SF EXISTING ASPHALT PAVEMENT

INSTALL CONCRETE WASHOUT PER STANDARD DRAWING. REFER TO DETAIL 5, SHEET C3.0 FOR DETAILS.

BURIED UNKNOWN LINE IN BAD CONDITION ONLY TOP EXPOSED

REMOVE EXISTING BOLLARDS (2 TOTAL)

INSTALL SILT FENCE. SHEET C3.0 FOR DETAILS.

SIGN TO BE REMOVED (TYP.)

SIGN TO REMAIN (TYP.)

EXISTING SIDEWALK TO REMAIN

MAYFLOWER AVENUE 60.00' RIGHT OF WAY PLAT BOOK O, PAGE 102

SHEPHERD AVENUE (UNIMPROVED)

LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE/CURB TO BE REMOVED
- GRAVEL TO BE REMOVED
- AREA TO BE CLEARED AND GRUBBED. EXISTING SITE FEATURES TO BE REMOVED OR DEMOLISHED UNLESS OTHERWISE NOTED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- PROPERTY LINE
- SAWCUT LINE
- SF SF SILT FENCE
- CENTER LINE
- EASEMENT / SETBACK LINE
- LOD LIMITS OF DISTURBANCE
- INLET PROTECTION
- GEOTECH BORING
- EXISTING TREE TO BE PROTECTED
- EXISTING TREE TO BE REMOVED

NOTES

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C3.0. IN THE EVENT THAT ADDITIONAL STRENGTH IS NEEDED, FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C3.0.
6. UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C3.0.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS, SEE SHEET C3.0.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ANY EXISTING WELLS (I.E. ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
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16. ELEVATIONS SHOWN ON THIS PLAN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
17. THERE MAY BE AN ON-SITE SEPTIC SYSTEM. CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR THE ABANDONMENT AND REMOVAL OF THE SEPTIC SYSTEM.
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NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

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KHA PROJECT 049607003
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SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
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DETAILED EXISTING CONDTIONS AND DEMO PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
C4.2

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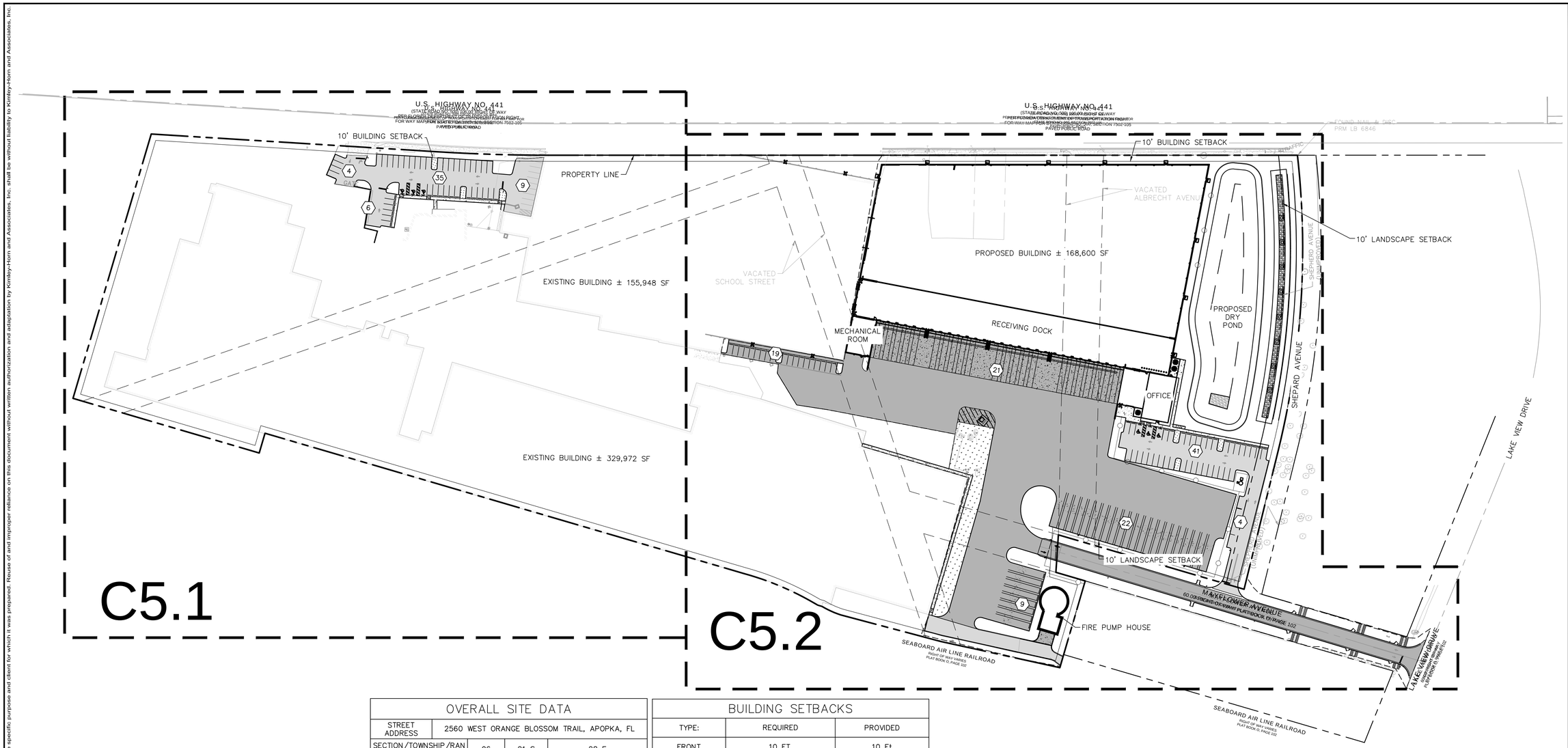

LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- (XX) PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

OVERALL SITE DATA

STREET ADDRESS	2560 WEST ORANGE BLOSSOM TRAIL, APOPKA, FL		
SECTION/TOWNSHIP/RANGE	06	21 S	28 E
ZONING	I-L	LIGHT INDUSTRIAL	
PARCEL AREA	±28.09 AC		
ONSITE AREA OF WORK/ LIMITS OF DISTURBANCE	±11.694 AC ONSITE LOD		
OFFSITE IMPROVEMENTS AREA	±0.840 AC MAYFLOWER AVE IMPROVEMENTS		
PROPOSED BUILDING AREA	~168,600 SF (±3.87 AC)		

OPEN SPACE CALCULATION

TYPE	REQUIRED	PROVIDED
PERVIOUS AREA (OPEN SPACE)	0.585 AC (5% OF LOD AREA)	±1.85 AC (16%)

BUILDING SETBACKS

TYPE:	REQUIRED	PROVIDED
FRONT	10 FT.	10 Ft
SIDE	10 FT.	10 Ft
REAR	10 FT.	10 Ft
STREET	10 FT.	10 Ft

ADJACENT PROPERTY DATA

DIRECTION FROM SITE:	ZONING	USE
NORTH	N/A	FDOT ROAD
EAST	I-L	LIGHT INDUSTRIAL
SOUTH	I-L	LIGHT INDUSTRIAL
WEST	T	TRANSITIONAL

PARKING PLAN

PARKING TYPE	REQUIRED	PROPOSED
REGULAR SPACES	60.2	61
ADA SPACES	3	3
TOTAL PARKING	63.2	64
LOADING BERTH	14	21
SEMI TRUCK SPACES	–	31

EXISTING OFFICE PARKING MODIFICATIONS

	EXISTING	PROPOSED
PARKING SPACES	33	54

GREEN BUILDING STANDARDS

PROPOSED GREEN BUILDING STANDARDS:

LOCATION: DEVELOPMENT ON PREVIOUSLY USED OR	0.50 PT DEVELOPED LAND
ENERGY CONSERVATION: INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE DWELLING UNITS IN A SUBDIVISION. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING. INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE BUILDINGS IN A MULTI-BUILDING DEVELOPMENT. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING	1.50 PT
TRANSPORTATION: PROVIDE MORE BICYCLE PARKING THAN REQUIRED BY SEC. 5.1.11, BICYCLE PARKING STANDARDS, WHILE ENSURING THAT ALL OTHER BICYCLE PARKING STANDARDS IN SECTION 5.1, OFF-STREET PARKING, BICYCLE PARKING, AND LOADING STANDARDS ARE MET	0.50 PT
PROVIDE A MINIMUM OF TWO ELECTRIC VEHICLE (EV) LEVEL 3 CHARGING STATIONS THAT ARE MADE AVAILABLE IN A PARKING STRUCTURE OR OFF-STREET PARKING LOT TO THOSE USING THE BUILDING	0.75 PT
PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE SIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING ENTRANCE	0.25 PT
RESILIENCY TO NATURAL HAZARDS ESTABLISH OPERATING PROCEDURES FOR HOW THE PROJECT WILL HANDLE LOSS OF OFF-SITE OR GRID POWER, TRANSITION TO A BACKUP SOURCE OF POWER, AND TRANSITION BACK TO NORMAL OPERATION	0.50 PT
TOTAL	4.00 PT

GENERAL NOTES:

1. ALL RADII ARE TO BE 3' OR 10' UNLESS OTHERWISE NOTED.
2. ALL MEASUREMENTS TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.
4. HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICAN WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.
5. DETECABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
6. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC.
7. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARD PLANS (INDEXES), THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.
8. PROPOSED BUILDINGS TO MEET MINIMUM REQUIREMENTS FOR GREEN BUILDING STANDARDS IN ACCORDANCE TO LDC 5.11.4.A.2.b.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE (24" X 36")

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SCALE AS SHOWN
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DRAWN BY JAM
CHECKED BY JME

OVERALL SITE PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER C5.0

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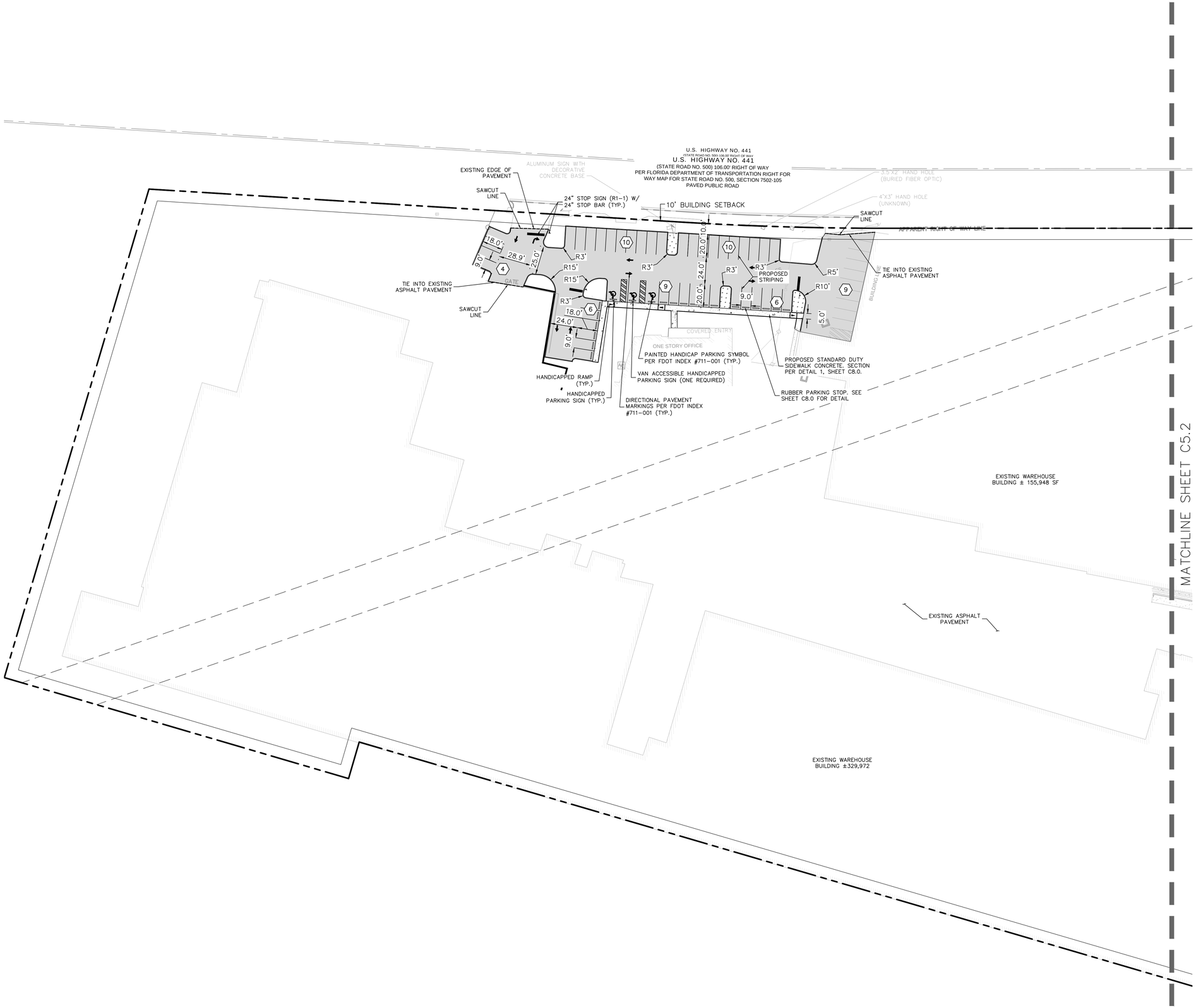



GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- XX — PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

GENERAL NOTES:

1. ALL RADII ARE TO BE 3' OR 10' UNLESS OTHERWISE NOTED.
2. ALL MEASUREMENTS TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.
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6. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC.
7. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARD PLANS (INDEXES), THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.

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KHA PROJECT	049607003
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SCALE	AS SHOWN
DESIGNED BY	DVS
DRAWN BY	JAM
CHECKED BY	JME

DETAILED SITE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.1

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U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT OF WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

10' BUILDING SETBACK

MATCHLINE SHEET C5.1

BUILDING LINE

VACATED SCHOOL STREET

VACATED ALBRECHT AVENUE

ONE STORY COMMERCIAL BUILDING

313.6'

EXISTING WAREHOUSE
BUILDING ± 155,948 SF

PROPOSED BUILDING ± 168,600 SF

525.8'

353.0'

RECEIVING DOCK

MECHANICAL ROOM

DOCK DOORS

61.4'

14.5' TYP.

26.0'

37.2'

40.8'

30.7'

20.5'

38.6'

13.5'

10.0'

45.4'

9.0'

18.0'

TIE INTO EXISTING ASPHALT PAVEMENT

EXISTING ASPHALT PAVEMENT

PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECTURAL SHEETS FOR MORE DETAILS.

R10'

R20'

R3'

TIE INTO EXISTING ASPHALT PAVEMENT

SAWCUT LINE

EXISTING ASPHALT PAVEMENT

BUILDING LINE

EXISTING WAREHOUSE
BUILDING ±329,972

PROPOSED STANDARD DUTY SIDEWALK CONCRETE. SECTION PER DETAIL 1, SHEET C8.0.

ONE STORY COMMERCIAL BUILDING

VACATED MAYFLOWER AVENUE

R50'
R12.1'

R30'

R20'

12.0' TRAILER STALL (TYP.)

22 TRAILER STAGING

PROPOSED STRIPING (TYP.)

DIRECTIONAL PAVEMENT MARKINGS PER FDOT INDEX #711-001 (TYP.)

PROPOSED FENCE (TYP.). KNOXBOX REQUIRED AND GATE TO HAVE CLICK2ENTER INSTALLED PER CITY OF APOPKA FIRE DEPARTMENT REQUIREMENTS.

60.0'

135.0'

65.6'

30.0'

FIRE PUMP HOUSE

RUBBER PARKING STOP. SEE SHEET C8.0 FOR DETAIL

SEABOARD AIR LINE RAILROAD
RIGHT OF WAY VARIES
PLAT BOOK O, PAGE 102

APPARENT RIGHT OF WAY LINE

"NO PARKING" SIGNS

MAYFLOWER AVENUE
60.00' RIGHT OF WAY PLAT BOOK O, PAGE 102

4' BERM (TYP.) (SEE GRADING SHEET C6.2 FOR DETAILS)

PROPOSED 2' CURB & GUTTER PER FDOT INDEX 520-001 (TYP.)

4.0'

26.0'

LAKE VIEW DRIVE
PLAT BOOK O, PAGE 102

DIRECTIONAL PAVEMENT MARKINGS PER FDOT INDEX NO. 711-001 (TYP.)

24" STOP SIGN (R1-1) W/ 24" STOP BAR (TYP.)

DOUBLE YELLOW MARKINGS PER FDOT INDEX NO. 711-001 (TYP.)

PROPOSED 15.0' DRAINAGE EASEMENT

TYPE 'D' CURB (PER FDOT STANDARD INDEX 520-001 (TYP.)

PROPOSED STANDARD DUTY SIDEWALK CONCRETE. SECTION PER DETAIL 1, SHEET C8.0.

PROPOSED DRY POND

SHEPHERD AVENUE (UNIMPROVED)

30.0'

MH

OFFICE

4.0'

HANDICAPPED RAMP (TYP.)

HANDICAPPED PARKING SIGN (TYP.)

PAINTED HANDICAP PARKING SYMBOL PER FDOT INDEX #711-001 (TYP.)

(8) PROPOSED BICYCLE PARKING (SEE SHEET C8.0 FOR DETAIL)

VAN ACCESSIBLE HANDICAPPED PARKING SIGN (ONE REQUIRED)

RUBBER PARKING STOP. SEE SHEET C8.0 FOR DETAIL

PROPOSED 15.0' DRAINAGE EASEMENT

PROPOSED PRIVATE LIFT STATION

214.9'

24.0'

30.0'

R5'

R25'

R35'

4.0'

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- XX — PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

GENERAL NOTES:

1. ALL RADII ARE TO BE 3' OR 10' UNLESS OTHERWISE NOTED.

2. ALL MEASUREMENTS TO FACE OF CURB UNLESS OTHERWISE NOTED.

3. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.

4. HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICAN WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.

5. DETECABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.

6. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC.

7. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARD PLANS (INDEXES), THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED SITE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.2

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KEY MAP
SCALE: 1" = 200'

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

PROPOSED ASPHALT PAVEMENT/ SECTION (SEE SHEET C8.0 FOR DETAILS)

TYPE 'A' MOUNTABLE CURB (SEE SHEET C8.0 FOR DETAILS)

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
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US HWY 441 - LEFT TURN LANE

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.3

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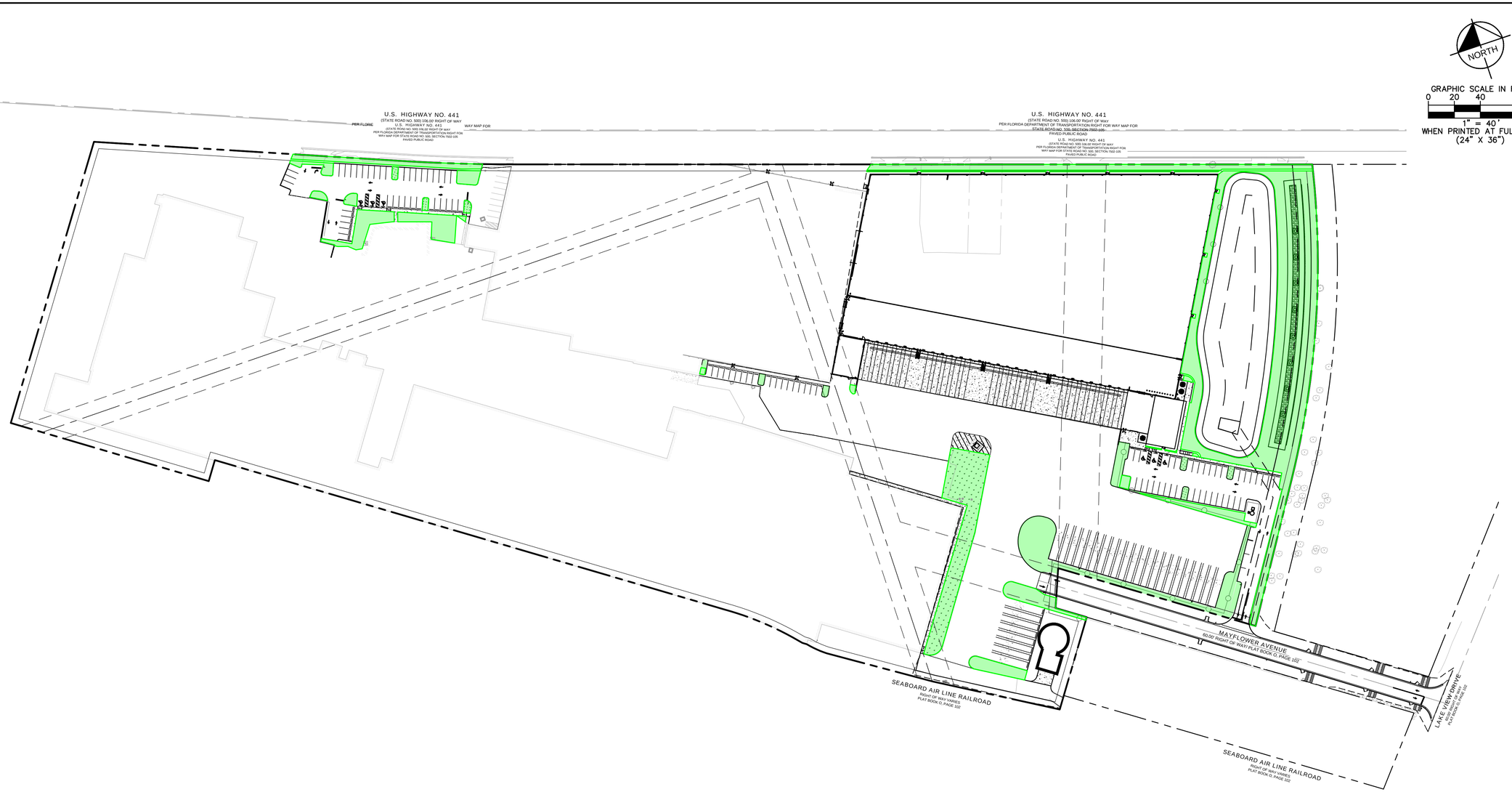

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

LANDSCAPE/OPEN SPACE

OVERALL OPEN SPACE SUMMARY

MINIMUM OPEN SPACE CALCULATION:	11.69 AC x 5% = 0.59 AC
PROVIDED OPEN SPACE:	
LANDSCAPE:	1.85 AC
TOTAL PROVIDED:	1.85 AC (15.83%))

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OPEN SPACE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.4

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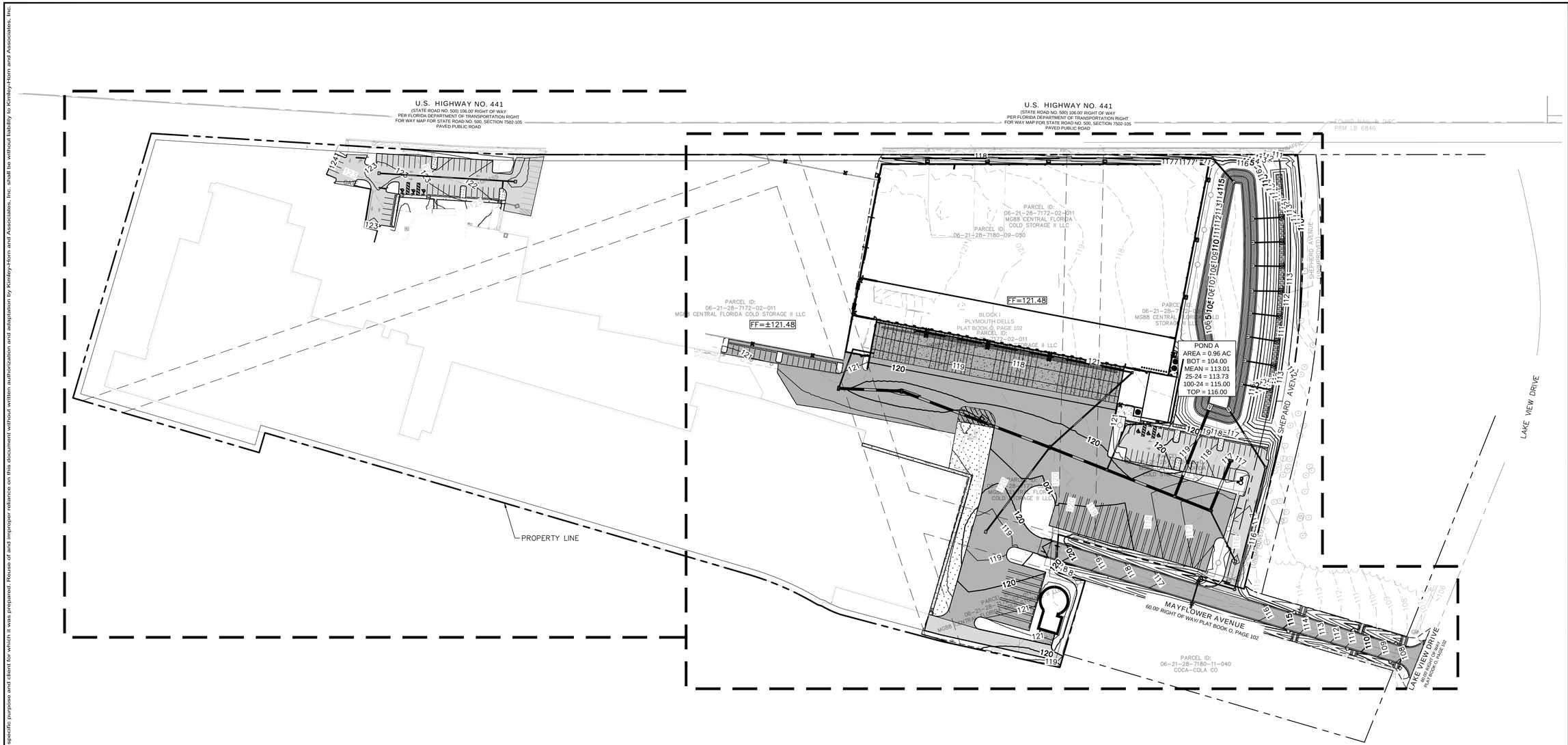

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- 21.60 EXISTING SPOT ELEVATION
- 21.60 EXISTING SPOT ELEVATION
- PROPOSED STORM PIPE
- ST EXISTING STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

GENERAL NOTES:

1: ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES. SEE SPECIFICATIONS.
2: ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
3: ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
4: GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
5: SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
6: ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED OR PER JURISDICTIONAL REQUIREMENTS.
7: EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
8: IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
9: ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AND STRUCTURE IS WATER TIGHT.
10: ALL ROOF DRAINS SHALL BE CONNECTED TO THE STORM SYSTEM. IN AREAS NOT SUBJECT TO FREEZING, ROOF DRAINS CAN SPASH ON GRADE AND BE COLLECTED IN INLETS OR TREATED AS SURFACE RUNOFF.
11: CONTRACTOR IS TO ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
12: CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS.
13: TOPOGRAPHIC INFORMATION TAKEN FROM: LEADING EDGE LAND SERVICES, INC. ON JANUARY 31, 2023.
14: CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
15: CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS, MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING.
16: DETENTION POND OUTFLOW DEVICES SHALL BE DESIGNATED TO LIMIT FLOWS TO CAPACITY LEVELS OF DOWNSTREAM DRAINAGE STRUCTURES.
17: DEVIATIONS FROM RECOMMENDED PARKING LOT SLOPES SHALL BE APPROVED BY FLOOR & DECOR CONSTRUCTION AND DESIGN.
18: CONTRACTOR TO PROVIDE FLOOR & DECOR CONSTRUCTION AND DESIGN, AND LOCAL AUTHORITY WITH AS-BUILT DRAWINGS. SEE REQUIREMENTS IN THIS SHEET.
19: CONTRACTOR TO VERIFY T.A.S./A.D.A. COMPLIANCE PRIOR TO POURING CONCRETE. FOR ANY QUESTIONS, CONTACT CIVIL ENGINEER IMMEDIATELY.
20: GRADES IN ALL ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. AND T.A.S. STANDARDS: MAXIMUM RUNNING SLOPE FOR ALL PATHS IS 5%, MAX CROSS SLOPE FOR ALL PATHS IS 2%, FOR THE FIRST FIVE FEET FROM THE DOOR, A 2% SLOPE IN ALL DIRECTIONS (MAX) MUST BE MAINTAINED.
21: IN GENERAL, THE MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5%, THE MINIMUM SLOPE SHALL NOT BE INFERIOR THAN 1.5% AND THE PREFERRED SLOPE SHALL BE 2.5%.
22: REFER TO LANDSCAPE ARCHITECT PLANS FOR LANDSCAPE/HARDSCAPE DETAILS.
23: CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL/STRUCTURAL PLANS PRIOR TO CONSTRUCTION STAKING.
24: LANDSCAPE AREAS ADJACENT TO BUILDING TO DRAIN AWAY FROM BUILDING AT A MINIMUM OF 2% SLOPE.
25: AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING, ALL AREAS SHALL ADEQUIATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
26: CONCRETE VALLEY GUTTER SHALL BE CONSTRUCTED IF ASPHALT PAVEMENT IS USED. REFER TO CONSTRUCTION DETAILS
27: FOR STORM SEWER PIPE PROFILES REFER TO DETAIL ON SHEET C7.0 FOR MORE INFORMATION.
28: SEE PIPE PROFILES SHEET FOR INVERT ELEVATIONS (TYPICAL).
29: SEE SHEET C3.0 FOR APPROXIMATE LOCATION OF EXISTING UTILITIES.
30: ALL THE ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS. CONTRACTOR TO SUBTRACT PAVEMENT THICKNESS AND FLOOR SLAB THICKNESS FOR SUBGRADE ELEVATIONS.
31: CONTRACTOR SHALL REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ALL VESTIBULES/ENTRIES, SIDEWALKS, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
32: TERMITE SPRAY IF NEEDED IS TO BE PROVIDED FOR FOUNDATION BY FOUNDATION CONTRACTOR.
33: SITE PREPARATION TO BE PROVIDED BY CONTRACTOR TO INCLUDE:
A. PROTECTING EXISTING VEGETATION TO REMAIN.
B. REMOVING EXISTING VEGETATION.
C. CLEARING AND GRUBBING.
D. STRIPPING AND STOCKPILING TOPSOIL
E. REMOVING ABOVE-AND BELOW-GRADE SITE IMPROVEMENTS.
F. DISCONNECTING, CAPPING OR SEALING SITE UTILITIES.
G. TEMPORARY EROSION AND SEDIMENTATION CONTROL,

NORTH

GRAPHIC SCALE IN FEET
0 40 80 40
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

Always call 811 two full business days before you dig to have underground utilities located and marked.

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No.	REVISIONS	DATE	BY
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DATE 6/10/26
SCALE AS SHOWN
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DRAWN BY JAM
CHECKED BY JME

OVERALL GRADING AND DRAINAGE

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
C6.0

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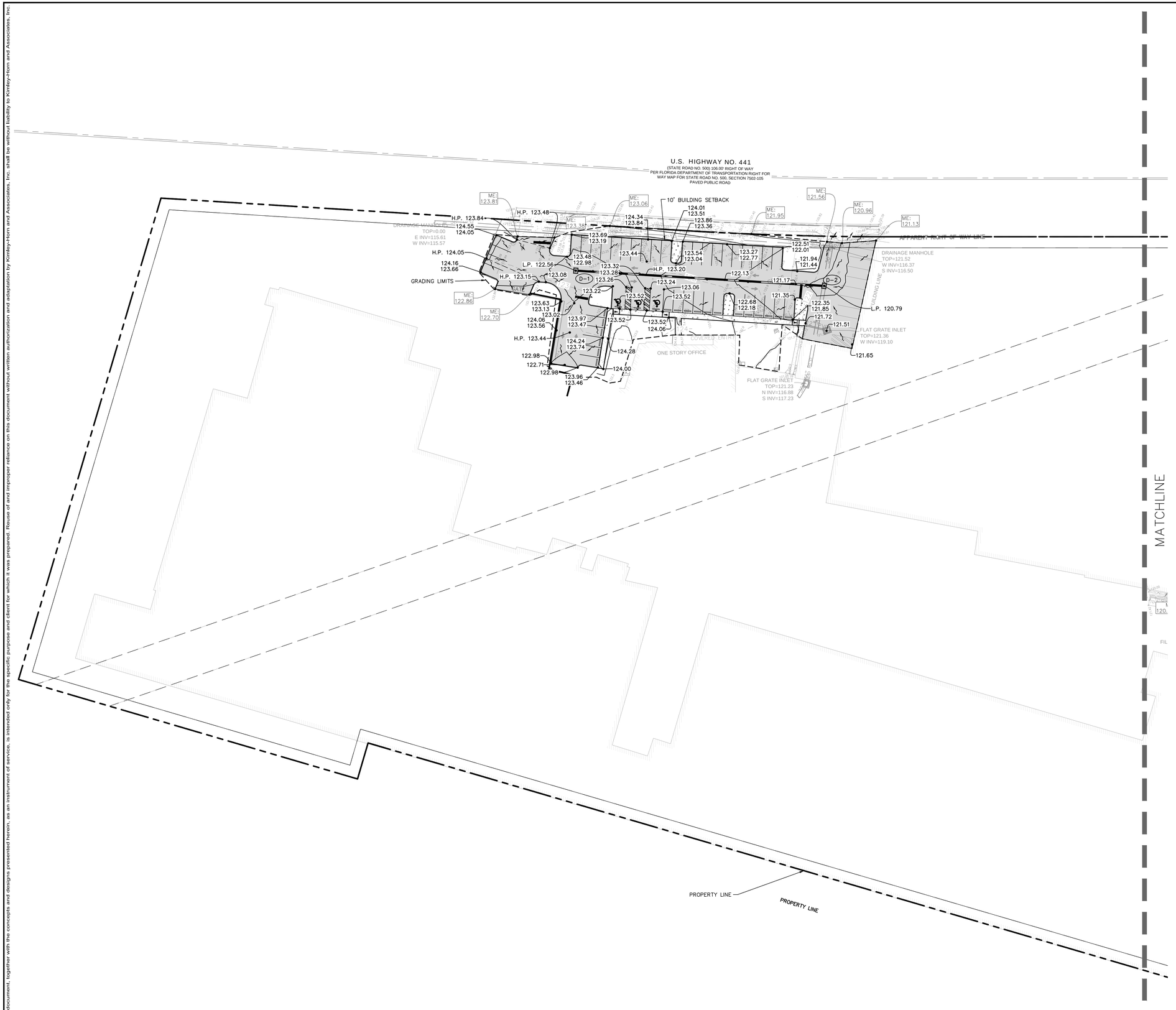

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- 21.60 EXISTING SPOT ELEVATION
- •21.60 PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- ST EXISTING STORM PIPE
- LIMITS OF CONSTRUCTION
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT, REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D-1	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 122.56 E. INV OUT: 118.86
D-2	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 120.79 W. INV IN: 117.08

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No.	DATE	BY
4	06/09/2026	IRC
3	01/08/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG
	REVISIONS	
4	APOPKA MDP PLANNING COMMENTS	
3	APOPKA MDP PLANNING COMMENTS	
2	SJRWMD COMMENTS DATED 2025/11/05	
1	CITY COMMENTS DATED 2025/11/04	

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED GRADING AND DRAINAGE

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C6.1

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U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT OF WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

MATCHLINE

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

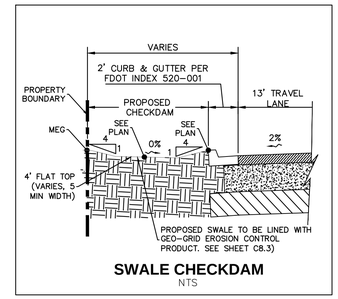
NORTH

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION (21.60)
- PROPOSED SPOT ELEVATION (•21.60)
- PROPOSED STORM PIPE
- EXISTING STORM PIPE (ST)
- LIMITS OF CONSTRUCTION
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT, REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
BU-3	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 111.00 NW. INV IN: 107.00
BU-4	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 111.00 NW. INV IN: 107.00
BU-5	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 111.00 W. INV IN: 107.00
BU-5 1	BUBBLE-UP TYPE 'C' INLET FDOT INDEX 425 TOP: 114.41 SW. INV IN: 110.91 SE. INV OUT: 110.91
BU-6	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 111.00 W. INV IN: 107.00
BU-6 1	BUBBLE-UP TYPE 'C' INLET FDOT INDEX 425 TOP: 114.76 NE. INV OUT: 111.71
D-3	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 120.24 NE. INV IN: 116.53 E. INV OUT: 112.77
D-4	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 118.67 W. INV IN: 112.25 SE. INV OUT: 112.25
D-5	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 118.99 NW. INV IN: 110.96 NE. INV IN: 110.10 SW. INV IN: 112.97 SE. INV OUT: 110.96
D-6	CB TOP: 264.62 SE. INV OUT: 113.00

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D-7	TYPE 'C' INLET FDOT INDEX 425 TOP: 264.62 NW. INV IN: 110.95 SW. INV OUT: 110.95
D-8	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 118.08 NE. INV OUT: 113.83
D-9	TYPE "H2' INLET FDOT INDEX 425 J-BOTTOM TOP: 117.00 NW. INV IN: 109.55 NE. INV IN: 109.55 S. INV IN: 109.55
D-10	TYPE "H2' INLET FDOT INDEX 425 TOP: 116.76 SW. INV OUT: 110.43
D-11	TYPE "D" INLET FDOT INDEX 425 TOP: 115.87 N. INV OUT: 110.48
MES-1	U-TYPE DISSIPATOR FDOT INDEX 430-012 TOP: 108.50 SW. INV IN: 104.00
MES-5	FES TOP: 108.09 SE. INV OUT: 107.00
MES-6	FES TOP: 108.08 SE. INV OUT: 107.00
MES-7	FES TOP: 108.08 E. INV OUT: 107.00
MES-8	FES TOP: 108.08 E. INV OUT: 107.00



SWALE CHECKDAM
NTS

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DETAILED GRADING AND DRAINAGE

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
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GENERAL UTILITY NOTES:

1. CONTRACTOR TO CONFIRM UNDERGROUND UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO COORDINATE PROPOSED TRANSFORMER LOCATIONS AND ELECTRIC SERVICE WITH POWER COMPANY AND OWNER. TRANSFORMERS AND SERVICE LINES SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS. CONTRACTOR TO CONFIRM PAD AND BOLLARD REQUIREMENTS.
3. CONTRACTOR TO COORDINATE PROPOSED TELEPHONE SERVICE AND ROUTING WITH CABLE COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
4. CONTRACTOR TO COORDINATE PROPOSED GAS SERVICE AND ROUTING WITH GAS COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
5. ALL POTABLE WATER UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO BE FAMILIAR WITH THESE STANDARDS.
6. REFER TO THE CITY OF APOPKA STANDARD NOTES & DETAILS, SHEETS C8.0 – C8.2.
7. REFER TO ORANGE COUNTY STANDARD NOTES AND DETAILS, SHEET C8.3.

GENERAL FIRE SERVICE NOTES:

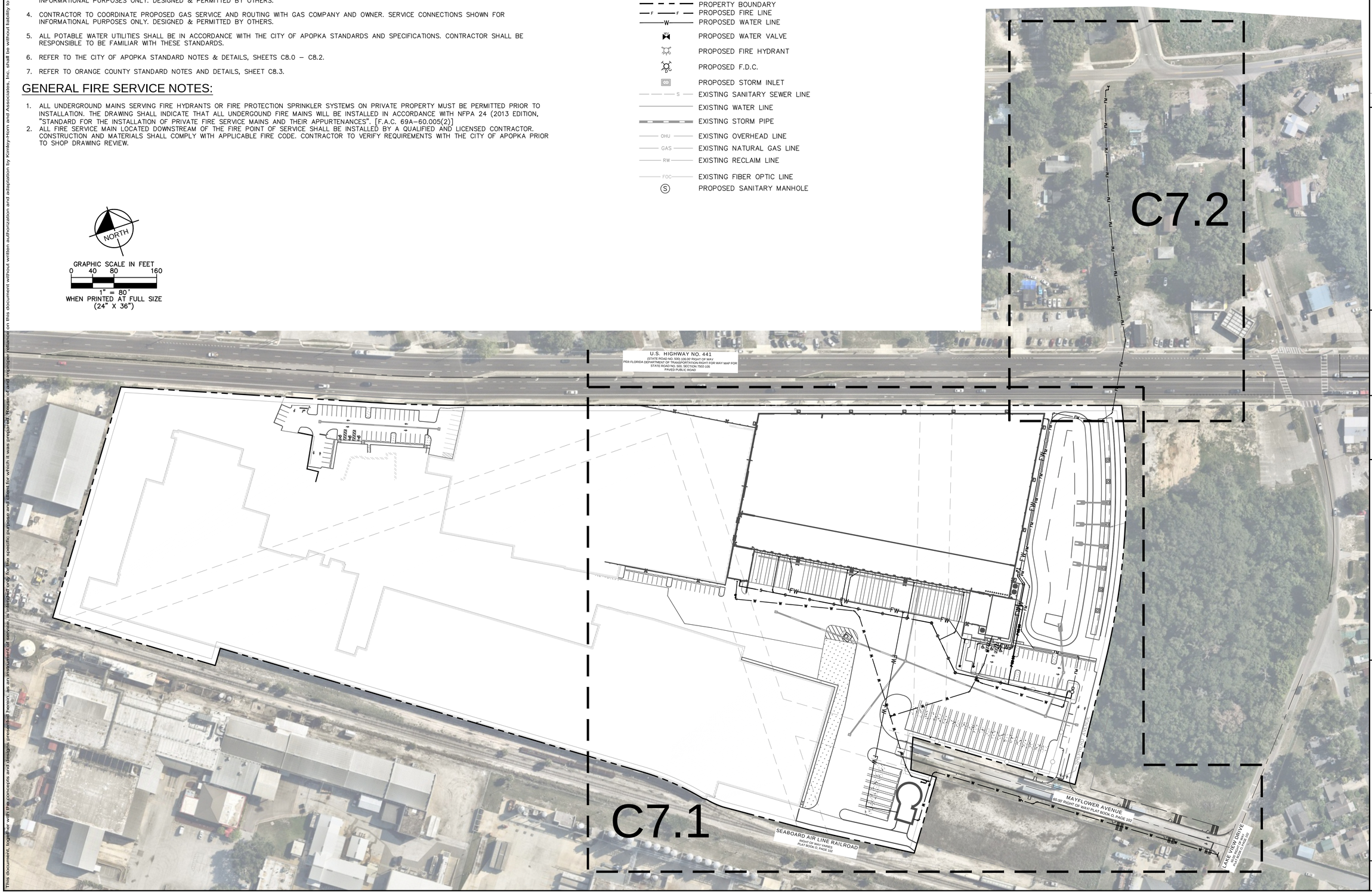
1. ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SPRINKLER SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION. THE DRAWING SHALL INDICATE THAT ALL UNDERGOUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 (2013 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". [F.A.C. 69A–60.005(2)]
2. ALL FIRE SERVICE MAIN LOCATED DOWNSTREAM OF THE FIRE POINT OF SERVICE SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH APPLICABLE FIRE CODE. CONTRACTOR TO VERIFY REQUIREMENTS WITH THE CITY OF APOPKA PRIOR TO SHOP DRAWING REVIEW.

LEGEND

- PROPERTY BOUNDARY
- F — PROPOSED FIRE LINE
- W — PROPOSED WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED F.D.C.
- PROPOSED STORM INLET
- S — EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM PIPE
- OHU — EXISTING OVERHEAD LINE
- GAS — EXISTING NATURAL GAS LINE
- RW — EXISTING RECLAIM LINE
- FOC — EXISTING FIBER OPTIC LINE
- Ⓢ PROPOSED SANITARY MANHOLE

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")



No.	REVISIONS	DATE	BY
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3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OVERALL UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C7.0

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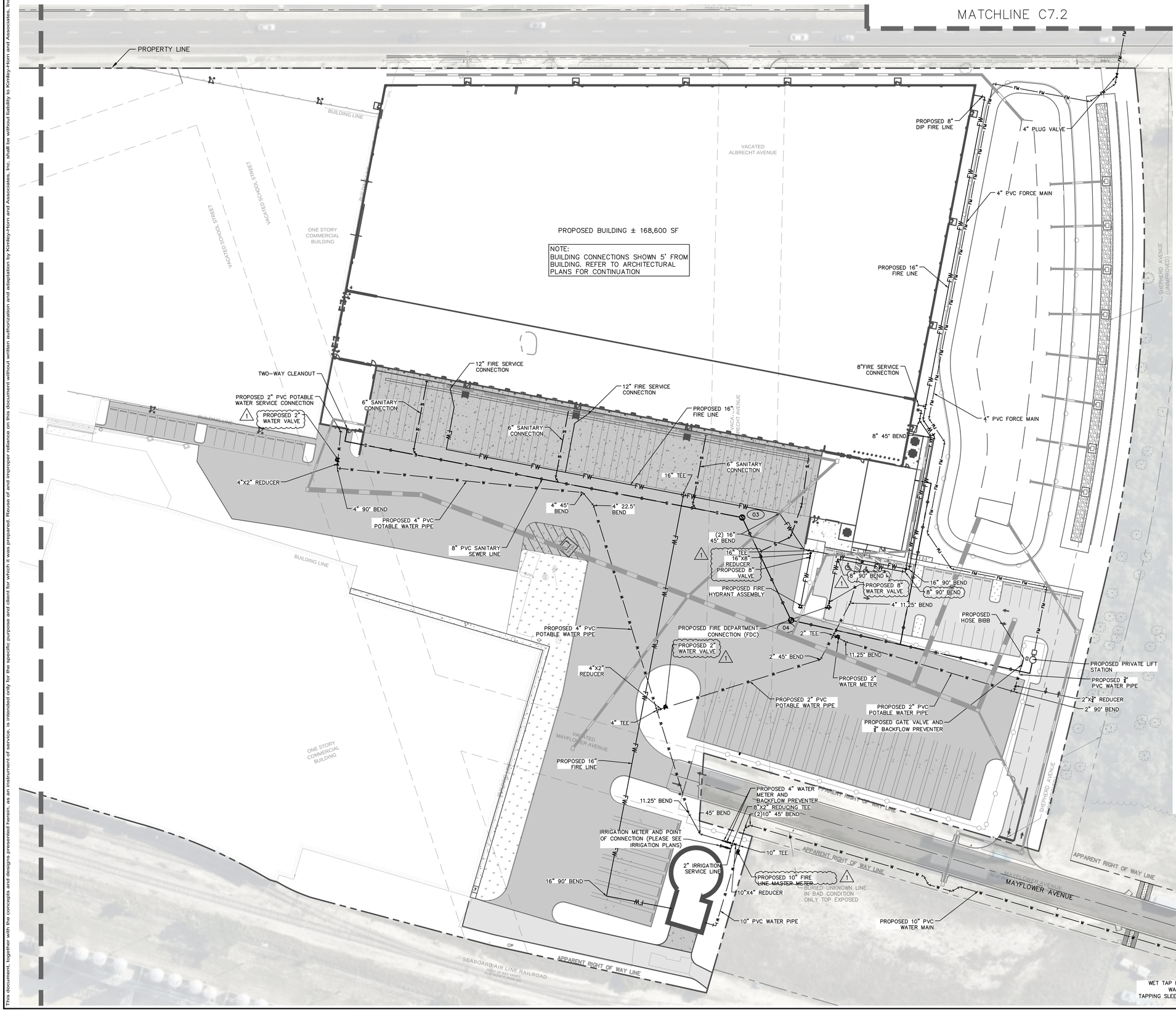

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GRAPHIC SCALE IN FEET
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1" = 80'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

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- PROPOSED FIRE LINE
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- EXISTING RECLAIM LINE
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GENERAL UTILITY NOTES:

1. CONTRACTOR TO CONFIRM UNDERGROUND UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO COORDINATE PROPOSED TRANSFORMER LOCATIONS AND ELECTRIC SERVICE WITH POWER COMPANY AND OWNER. TRANSFORMERS AND SERVICE LINES SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS. CONTRACTOR TO CONFIRM PAD AND BOLLARD REQUIREMENTS.
3. CONTRACTOR TO COORDINATE PROPOSED TELEPHONE SERVICE AND ROUTING WITH CABLE COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
4. CONTRACTOR TO COORDINATE PROPOSED GAS SERVICE AND ROUTING WITH GAS COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
5. ALL POTABLE WATER UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO BE FAMILIAR WITH THESE STANDARDS.
6. REFER TO THE CITY OF APOPKA STANDARD NOTES & DETAILS, SHEETS C8.0 – C8.2.
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER C7.1

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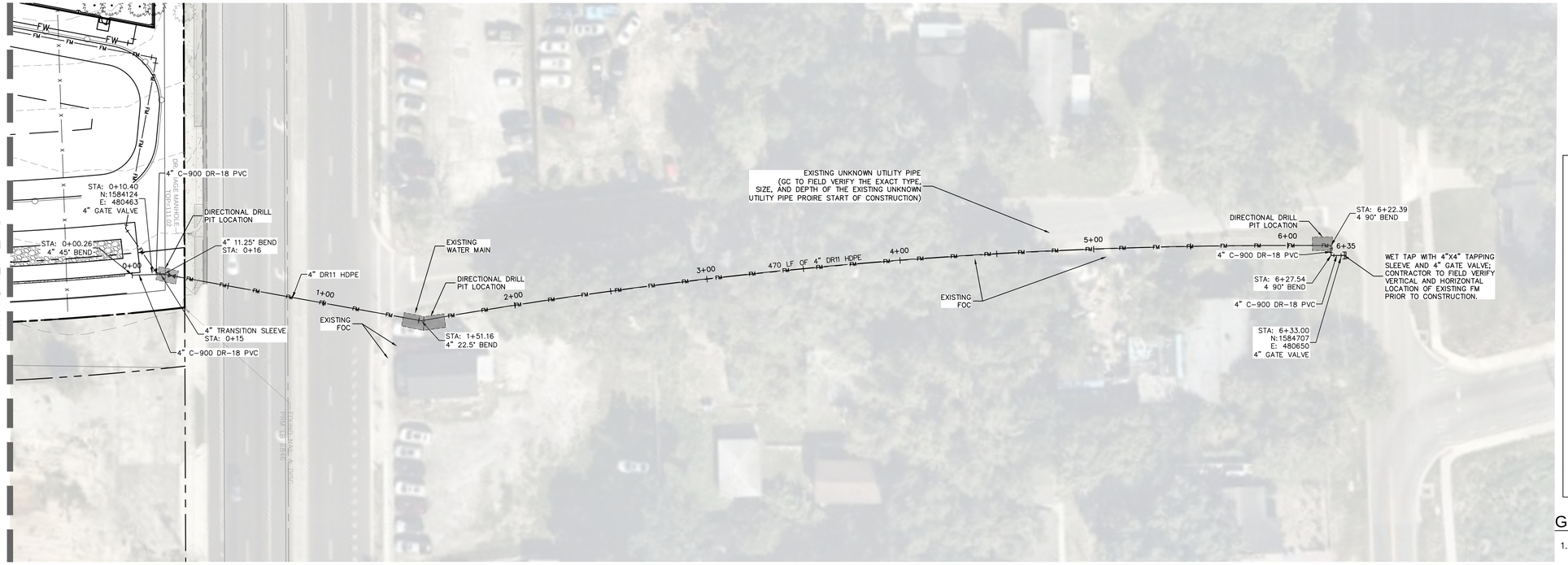
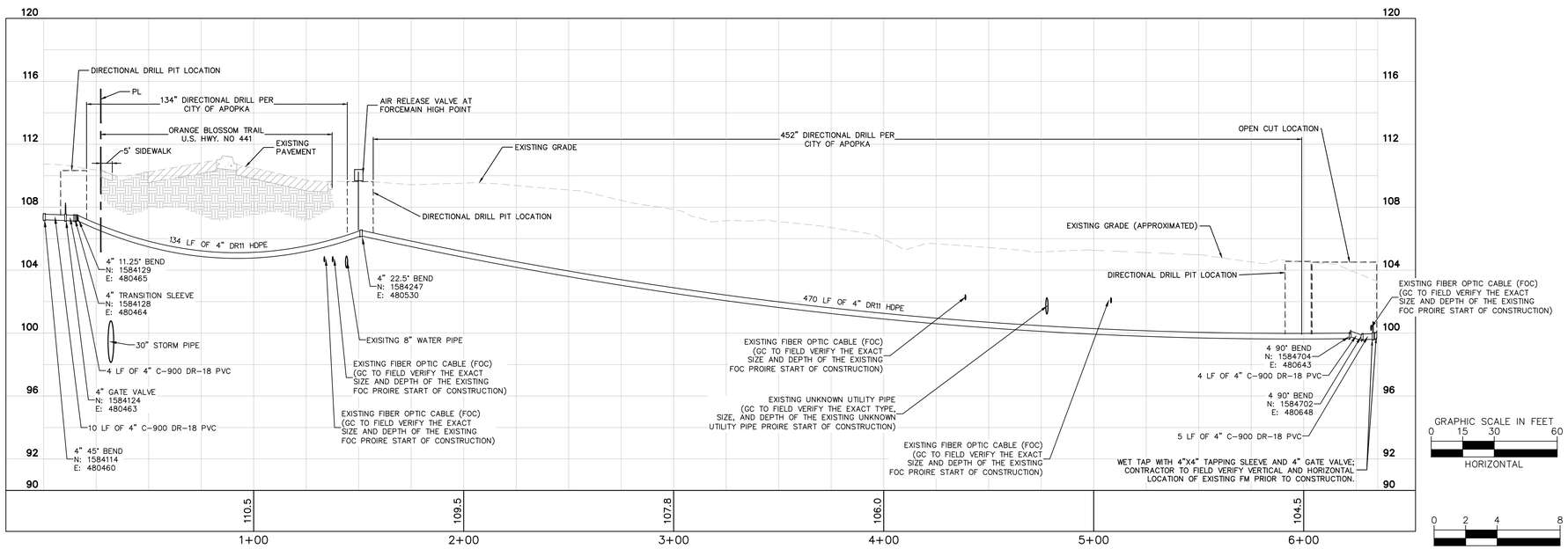
MATCHLINE C7.1





GRAPHIC SCALE IN FEET
0 15 30 60

HORIZONTAL

0 2 4 8
VERTICAL

LEGEND

- PROPERTY BOUNDARY
- PROPOSED FIRE LINE
- PROPOSED WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED F.D.C.
- PROPOSED STORM INLET
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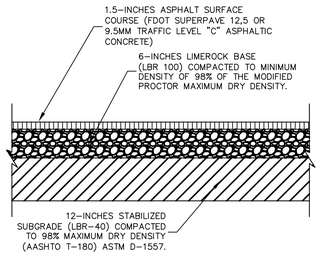
CHECKED BY JME

DETAILED UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

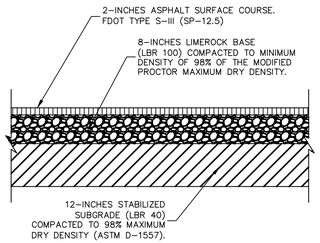
SHEET NUMBER
C7.2



TYPICAL ASPHALT PAVEMENT DETAIL

USED FOR PARKING AREAS ONLY

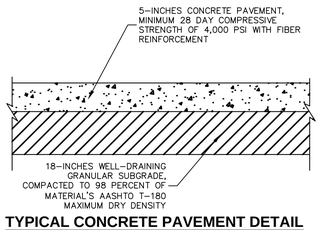
NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY BECHTOL ENGINEERING, DATED JULY 9, 2024.



TYPICAL "HEAVY DUTY" ASPHALT PAVEMENT DETAIL

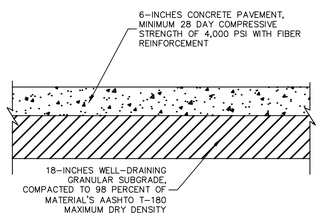
NTS

NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY BECHTOL ENGINEERING, DATED JULY 9, 2024.



TYPICAL CONCRETE PAVEMENT DETAIL

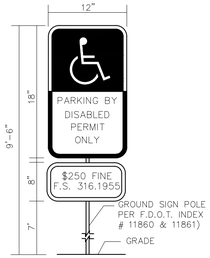
NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY TERRACON, DATED FEBRUARY 1, 2023.



TYPICAL HEAVY-DUTY CONCRETE PAVEMENT DETAIL

NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY TERRACON, DATED FEBRUARY 1, 2023.

ETAILS\REFERENCES\SITE DETAILS HC.jpg



NOTES:

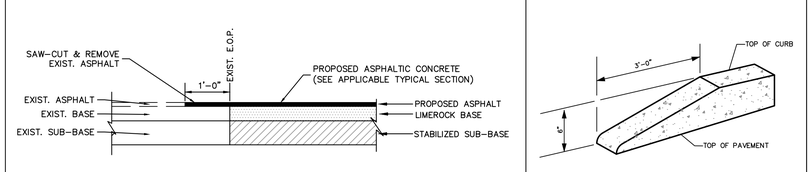
1. ALL LETTERS ARE 1" SERIES "C" PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
5. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
6. INSTALLATION HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24–23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

HANDICAP SIGN DETAIL

N.T.S.

PARKING STOPS DETAIL

N.T.S



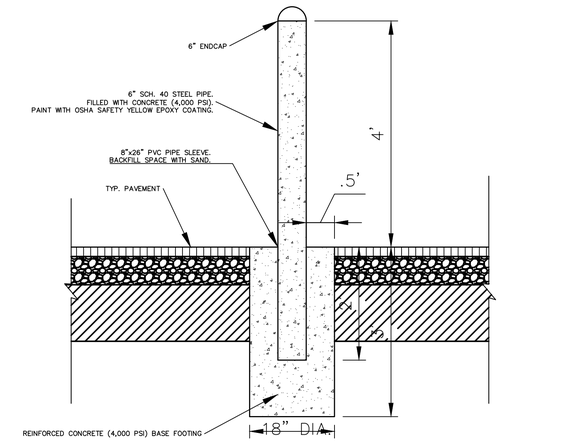
NEW ASPHALT PAVEMENT TIE–IN TYPICAL SECTION

NTS

CURB TERMINUS TRANSITION DETAIL

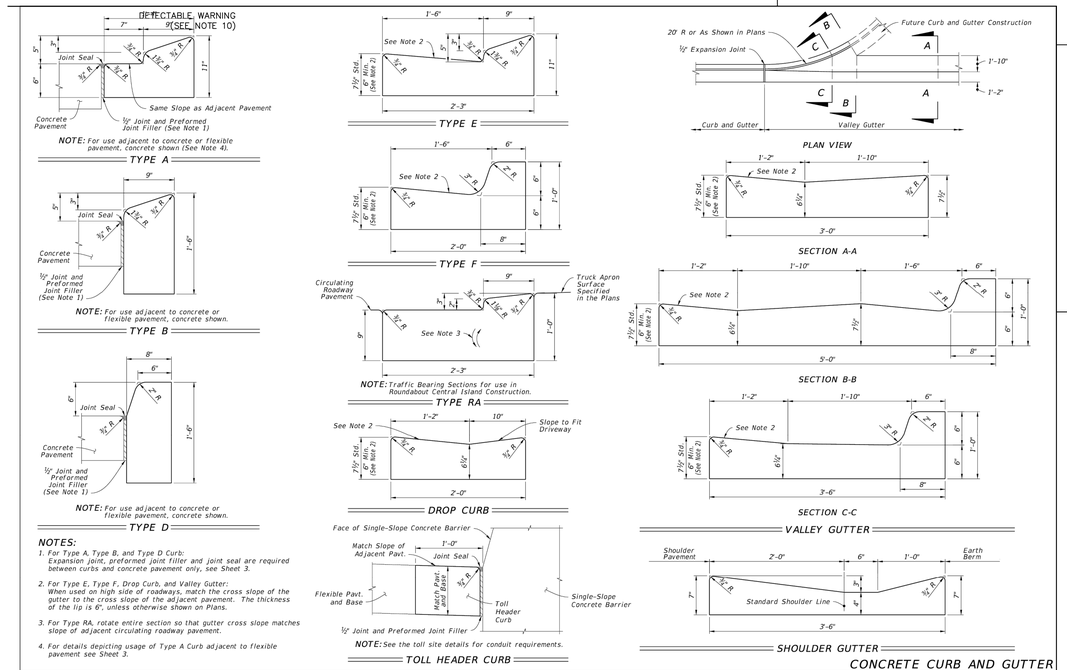
NTS

NOTE:
ALL CURBS TO HAVE STANDARD 3" TRANSITION FROM 6" HEIGHT TO FLUSH (0" HEIGHT). A STANDARD TEMPLATE SHALL BE USED AT ALL LOCATIONS TO PROVIDE UNIFORM CURB TRANSITION THROUGHOUT THE PROJECT.



TYP. BOLLARD DETAIL

NTS

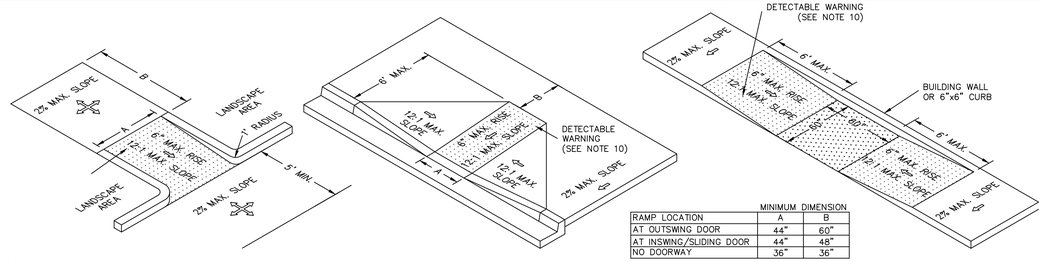


LAST REVISION	DESCRIPTION:
11/01/21	REVISION

FDOT FY 2023-24 STANDARD PLANS

CURB AND GUTTER

INDEX 520-001 | SHEET 2 of 3



MINIMUM DIMENSION		
RAMP LOCATION	A	B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"

NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE YELLOW. ANY TYPE OF ADHESIVE OR GLUE DOWN MATS; STAMPED CONCRETE OR ANY VARIATION OTHER THAN WHAT IS SPECIFIED ABOVE WILL NOT BE ACCEPTED BY ORANGE COUNTY. ORANGE COUNTY WILL CONSIDER ALTERNATIVES THAT ARE EQUAL TO THE PRODUCTS SPECIFIED ABOVE. COUNTY ENGINEER AND THE CHIEF ENGINEER FOR DEVELOPMENT SERVICES WILL HAVE THE SOLE RESPONSIBILITY FOR DETERMING THE PRODUCT ACCEPTABILITY.
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD INDEX 204, CODE OF FEDERAL REGULATIONS PART 36, AND SJC REQUIREMENTS.

ACCESSIBLE RAMPS

N.T.S

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GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER C8.0

Plotted By:Enoh, Joshua Sheet Set:Cold Link CD Layout:C8.0 GENERAL CONSTRUCTION DETAILS June 10, 2026 05:03:02pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Plansheets\C8.0 - CONSTRUCTION DETAILS.dwg
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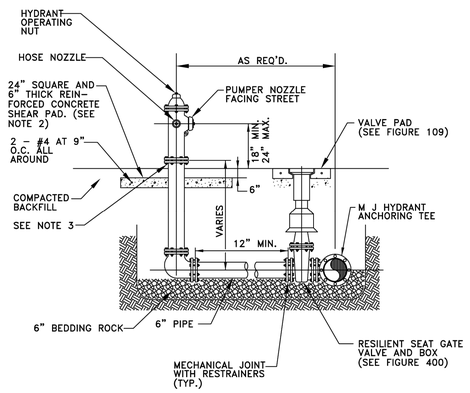
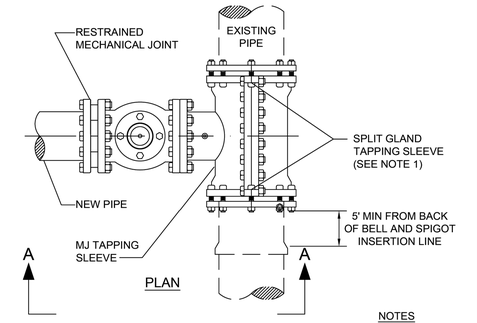


NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402

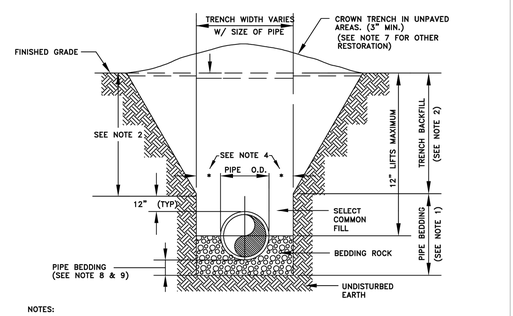


NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

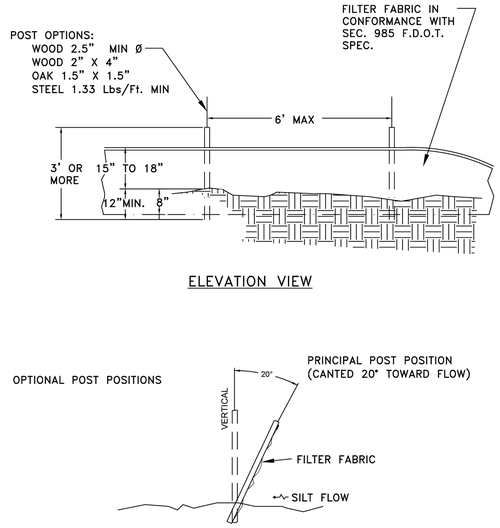


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

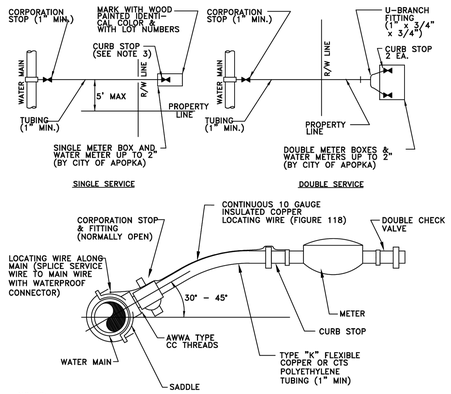
TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101



SILT FENCE INSTALLATION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 602

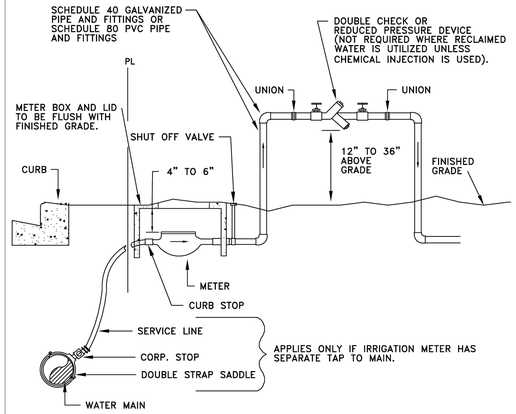


NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405



NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED JUST INSIDE THE ROW LINE OR PROPERTY LINE AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
3. DOUBLE CHECK VALVES MAY BE USED AS LONG AS THEIR ARE NO CHEMICALS OR A WELL ON SITE.
4. A PVB DEVICE SHALL BE 12-INCHES MINIMUM ABOVE HIGHEST OUTLET OR SPRAYHEAD
5. ALL BACKFLOW PREVENTION DEVICES ARE TO BE AWWA APPROVED.

IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
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2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
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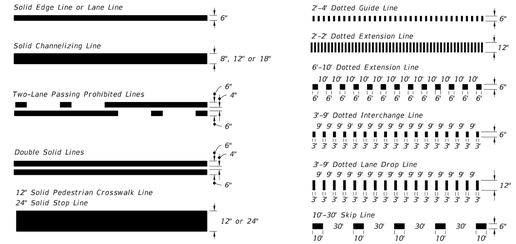
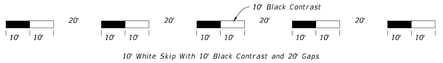
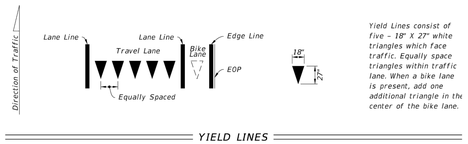


PAVEMENT MARKING LINES



CONTRAST MARKINGS WITH ALTERNATING SKIP PATTERN

(10'-30' Skip Line Shown, Dotted Lines Similar)

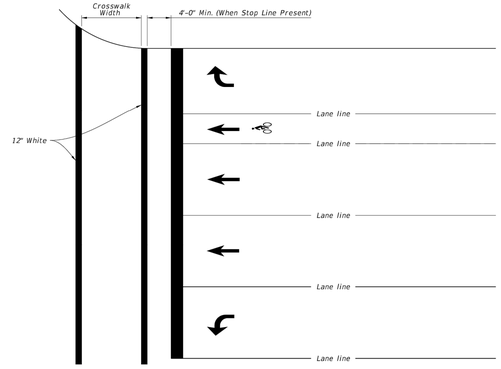


Yield Lines consist of five - 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

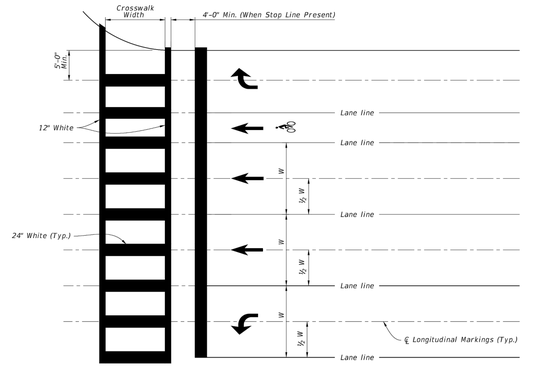
YIELD LINES

LAST REVISION 11/01/18	REVISION	DESCRIPTION:

FDOT FY 2019-20 STANDARD PLANS | PAVEMENT MARKINGS | INDEX 711-001 | SHEET 2 of 13



STANDARD CROSSWALK DETAILS



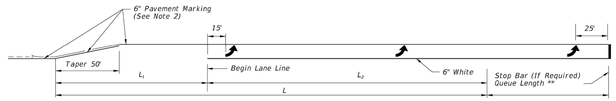
SPECIAL EMPHASIS CROSSWALK DETAILS

NOTES:

1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

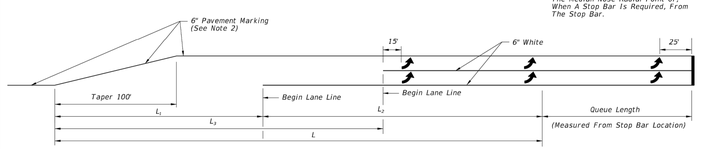
LAST REVISION 11/01/18	REVISION	DESCRIPTION:

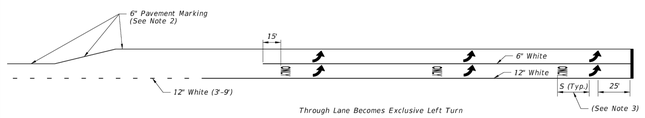
FDOT FY 2019-20 STANDARD PLANS | PAVEMENT MARKINGS | INDEX 711-001 | SHEET 10 of 13



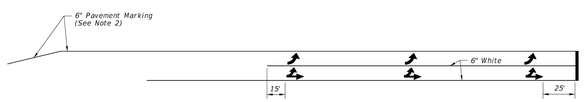
SINGLE LEFT TURNS

** Queue Length Is Measured From The Median Nose Radial Point Or, When A Stop Bar Is Required, From The Stop Bar.





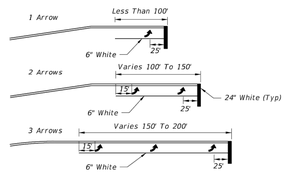
Through Lane Becomes Exclusive Left Turn



Through Lane Becomes Optional Left Turn

DOUBLE LEFT TURNS

Design Speed (mph)	Clearance Distance	URBAN CONDITIONS: Brake To Stop Distance	URBAN CONDITIONS: Total Decel. Distance	Clearance Distance	RURAL CONDITIONS: Brake To Stop Distance	RURAL CONDITIONS: Total Decel. Distance	Clearance Distance
	L_1	L_2	L	L_3	L_2	L	L_3
35	70'	75'	145'	110'	— —	— —	— —
40	80'	75'	155'	120'	— —	— —	— —
45	85'	100'	185'	135'	— —	— —	— —
50	105'	135'	240'	160'	185'	290'	160'
55	125'	— —	— —	— —	225'	350'	195'
60	145'	— —	— —	— —	260'	405'	230'
65	170'	— —	— —	— —	290'	460'	270'



Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

ARROW SPACING

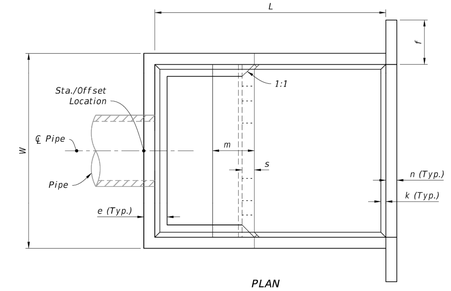
NOTES:

1. This Index also applies to right turn lanes.
2. Make pavement marking yellow for left-turn lanes and white for right-turn lanes.
3. See Sheet 1 for "S" value.

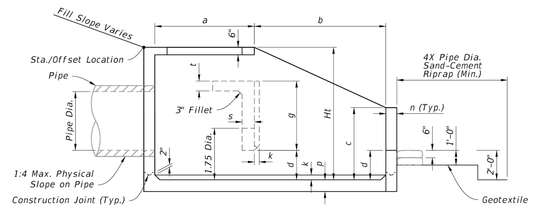
TURN LANE MARKINGS

LAST REVISION 11/01/18	REVISION	DESCRIPTION:

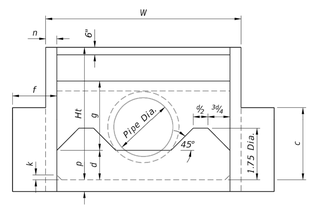
FDOT FY 2019-20 STANDARD PLANS | PAVEMENT MARKINGS | INDEX 711-001 | SHEET 11 of 13



PLAN



ELEVATION



FRONT VIEW

DIMENSIONAL DETAILS

Pipe Dia.	Area (SF)	Feet – Inches: W	Ht	L	a	b	c	d	e	f	g	m	Inches: n	p	s	t	k	Concrete (CY)	Reinf Steel (lb)	Sand-Cement Riprap (Nom.) (CY)
30"	4.91	9-0	6-3	10-8	4-7	6-1	3-4	1-4	1-2	2-6	3-0	1-11	6	6½	7	7	3	6.72	736	10.6
36"	7.07	10-5	7-3	12-4	5-3	7-1	3-10	1-7	1-3	3-0	3-6	2-3	7	7½	8	8	3	10.34	1,072	13.6
42"	9.62	11-10	8-0	14-0	6-0	8-0	4-5	1-9	1-6	3-0	3-11	2-6	8	8½	9	8	4	14.82	1,429	17.5
48"	12.57	13-3	9-0	15-8	6-9	8-11	4-11	2-0	1-7	3-0	4-5	2-10	9	9½	10	8	4	20.36	2,000	22.1
54"	15.90	14-8	9-9	17-4	7-4	10-0	5-5	2-2	1-10	3-0	4-11	3-0	10	10½	10	8	4	27.19	2,659	27.2
60"	13.63	16-1	10-9	19-0	8-0	11-0	5-11	2-5	1-11	3-0	5-4	3-4	11	11½	11	8	6	34.49	3,552	32.5
66"	23.76	17-3	11-6	20-6	8-8	11-10	6-5	2-7	2-1	3-0	5-9	3-7	12	12½	12	8	6	42.82	4,472	38.3
72"	28.27	18-6	12-3	22-0	9-3	12-9	6-11	2-9	2-3	3-0	6-2	3-9	12	12½	12	8	6	50.68	5,426	44.5

DIMENSIONAL DETAILS

LAST REVISION 11/01/23	REVISION	DESCRIPTION:

FDOT FY 2025-26 STANDARD PLANS | U-TYPE CONCRETE ENDWALLS ENERGY DISSIPATOR 30" TO 72" PIPE | INDEX 430-012 | SHEET 2 of 3

No.	REVISIONS	DATE	BY
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER C8.2

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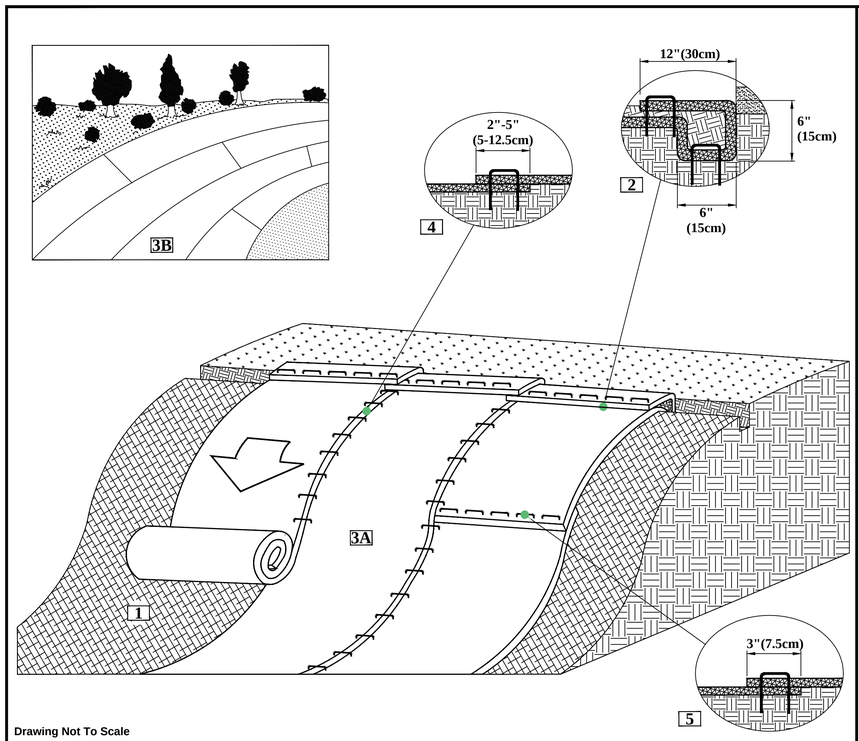

Drawing Not To Scale

SLOPE INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12" (30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12"(30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12"(30cm) apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel RECPs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the RECPs type.
5. Consecutive RECPs spliced down the slope must be end over end (Shingle style) with an approximate 3"(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire RECPs width.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECP's.

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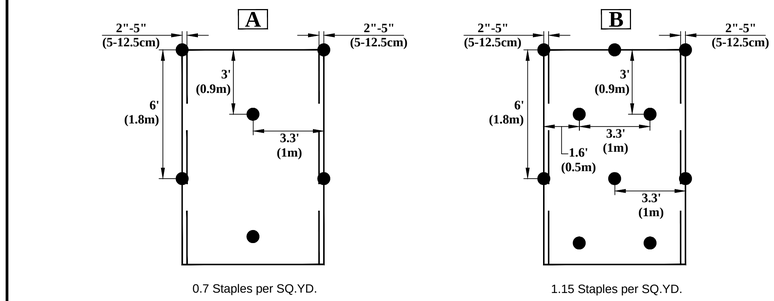
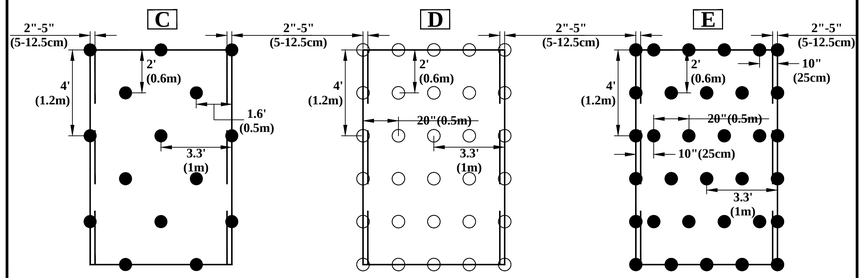
Drawn on: 5-4-17



0.7 Staples per SQ.YD.

1.15 Staples per SQ.YD.



1.7 Staples per SQ.YD.

3.4 Staples per SQ.YD.

3.75 Staples per SQ.YD.

STAPLE PATTERN GUIDE

- ● 4:1 Slopes (A)
- ● 3:1 Slopes (B)
- ● 2:1 Slopes (C)
- ○ 1:1 & Steeper Slopes (D)
- ○ Medium/High Flow Channel (D)
- ● High Flow Channel And Shoreline (E)

NOTES:

* Use ECMDS© for more accurate staple pattern selection.

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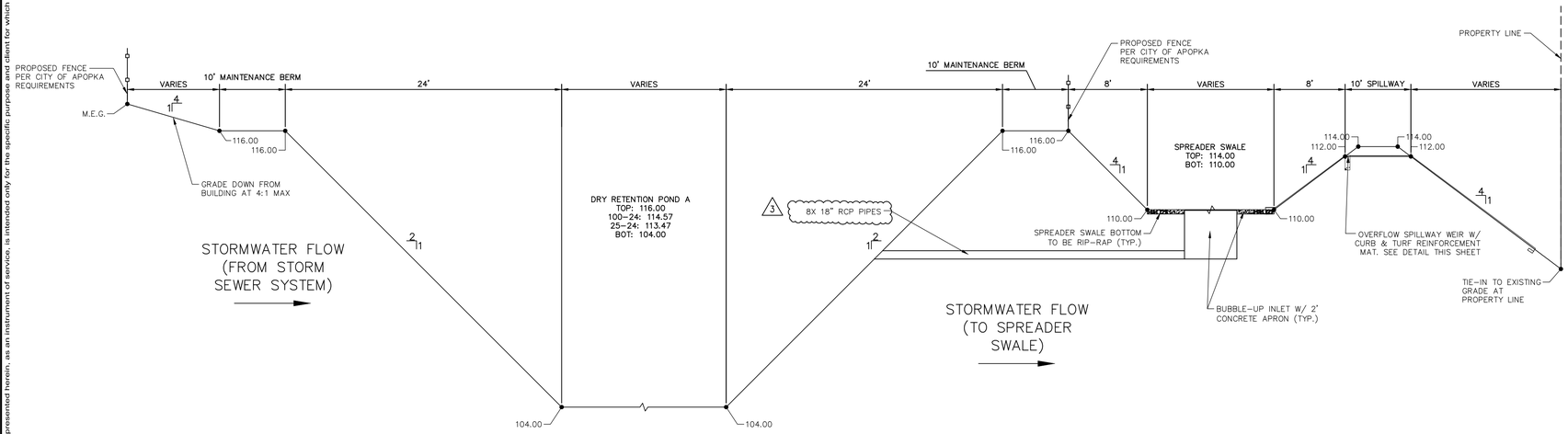
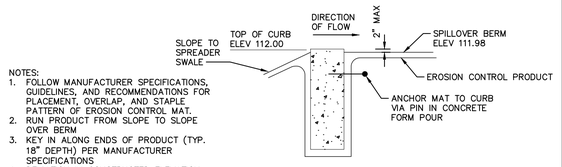


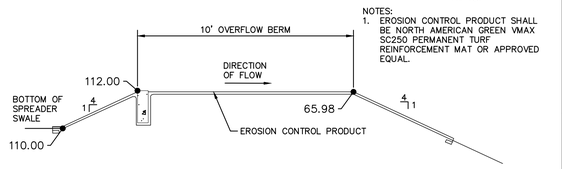
COMBINATION IN-SERIES DRY RETENTION POND AND SPREADER SWALE TYPICAL SECTION

N.T.S.



OVERFLOW BERM CURB DETAIL

N.T.S.



OVERFLOW BERM DETAIL

N.T.S.

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DATE 6/10/26
SCALE AS SHOWN
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CHECKED BY JME

DRAINAGE DETAILS

APOPKA COLD STORAGE

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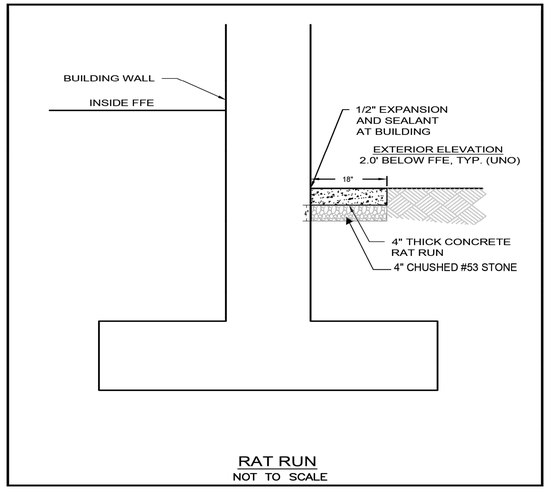
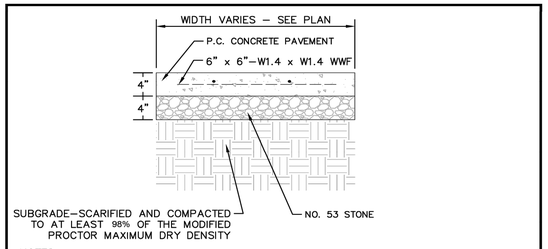


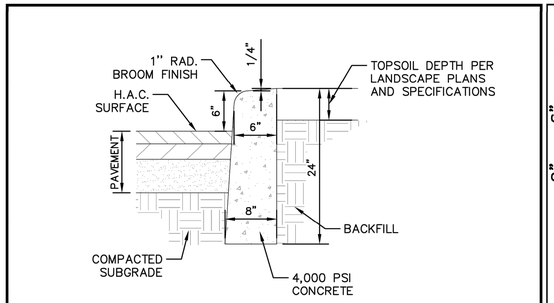
RAT RUN
NOT TO SCALE



NOTES:

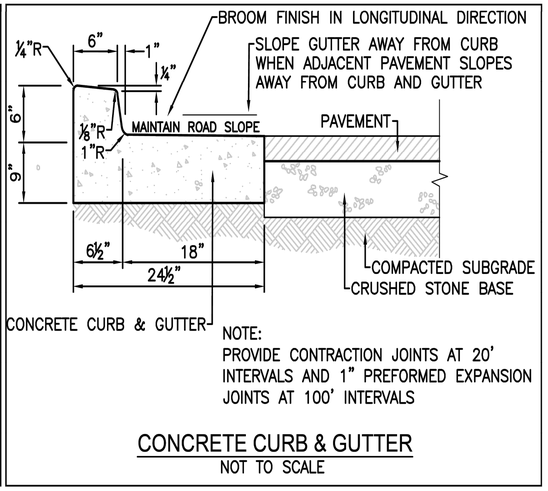
1. ALL SIDEWALK SHALL BE CONSTRUCTED WITH CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 14 DAYS.
2. PROVIDE 1/2" EXPANSION JOINTS AT 20', MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 12" CENTERS, 6" FROM EDGE.
3. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
4. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE
5. USE 2–#4 REINFORCING BARS, 10' LONG OVER ALL UTILITY TRENCHES FOR NEW SIDEWALK AND CONNECTIONS TO EXISTING SIDEWALK.
6. AT DRIVE APPROACHES, SIDEWALK PCC AND BASE THICKNESS SHALL MATCH THAT OF THE DRIVE.

CONCRETE SIDEWALK
N.T.S.



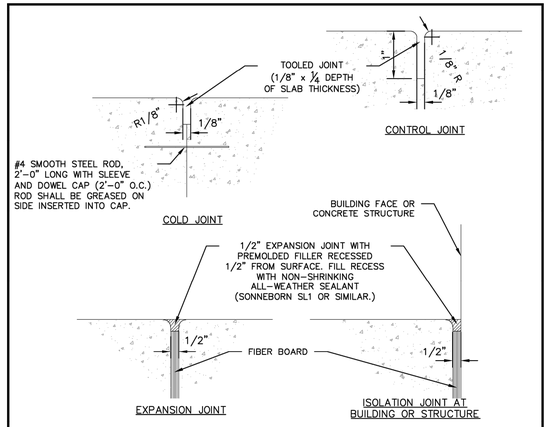
NOTE:
INSTALL JOINTS EVERY 15' AND ALIGN WITH SIDEWALK JOINTS WHERE ADJACENT TO SIDEWALK.

CONCRETE CURB
N.T.S.

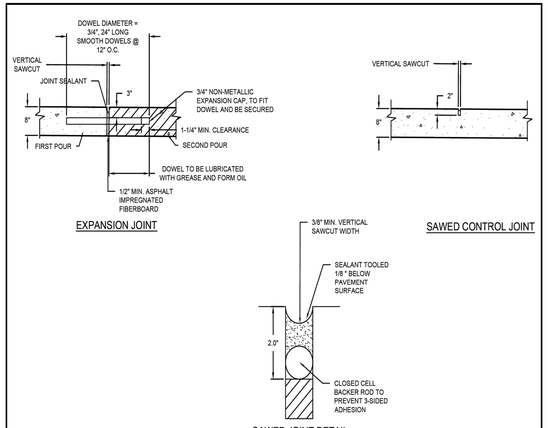


NOTE:
PROVIDE CONTRACTION JOINTS AT 20' INTERVALS AND 1" PREFORMED EXPANSION JOINTS AT 100' INTERVALS

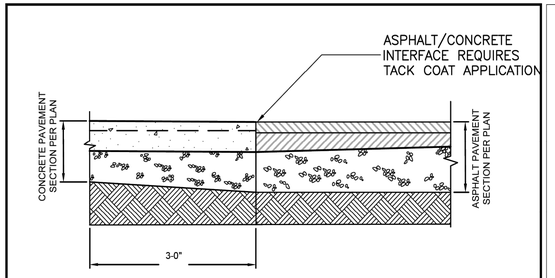
CONCRETE CURB & GUTTER
NOT TO SCALE



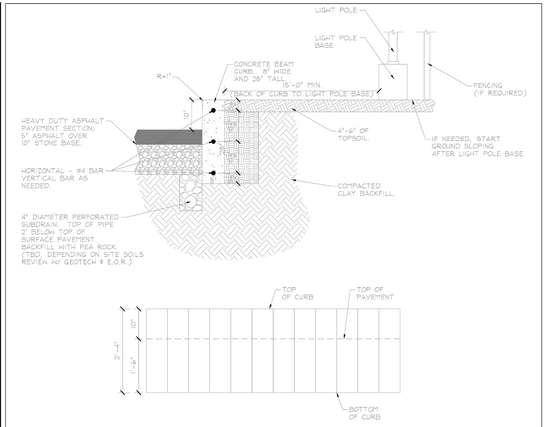
TYPICAL CONCRETE JOINT DETAILS
N.T.S.



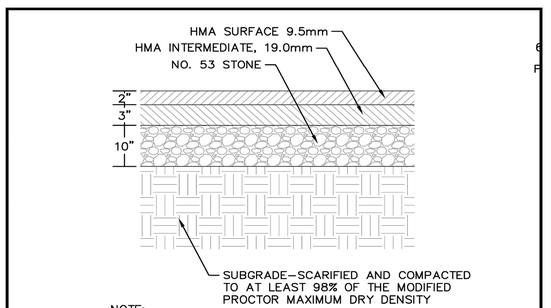
CONCRETE PAVEMENT JOINT DETAILS
NOT TO SCALE



ASPHALT/CONCRETE INTERFACE
NOT TO SCALE



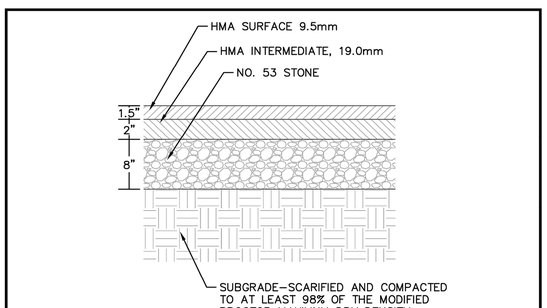
TC STANDARD - 10" HD TRUCK CURB
SCALE: NO SCALE
(REVIEW LOCATION FOR THIS DETAIL W/ CIVIL E.O.R.)



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

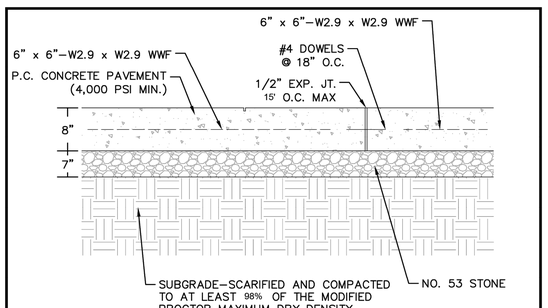
HEAVY DUTY ASPHALT PAVEMENT SECTION
N.T.S.



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

STANDARD DUTY ASPHALT PAVEMENT SECTION
N.T.S.



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

HEAVY DUTY CONCRETE PAVEMENT SECTION
N.T.S.

No.	DATE	BY
4	06/09/2026	IRC
3	01/08/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG

REVISIONS

Kimley»Horn

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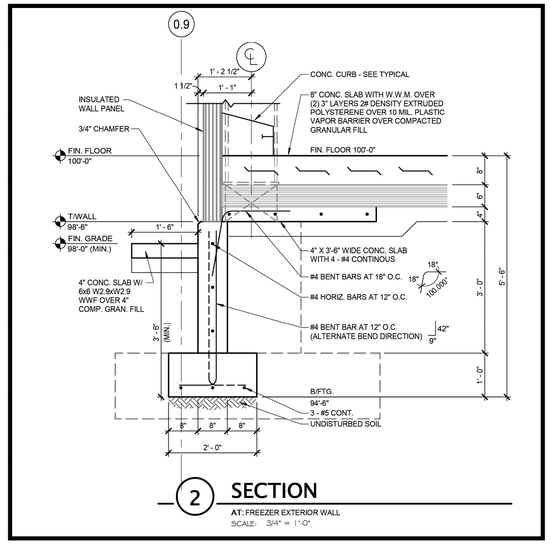
KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CIVIL STANDARD DETAILS

APOPKA COLD STORAGE
APOPKA FLORIDA

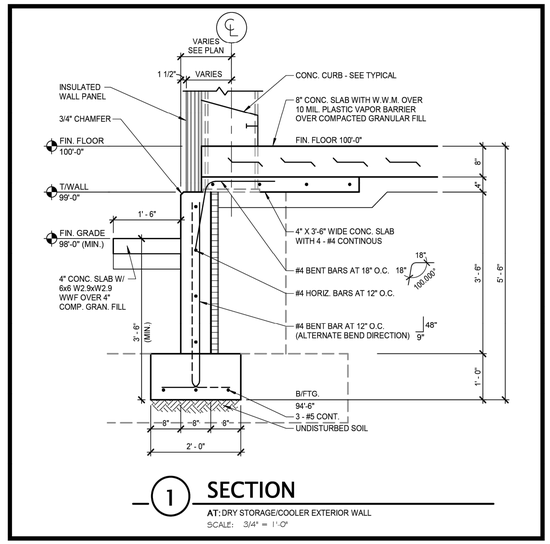
SHEET NUMBER
C8.4



2 SECTION

AT: FREEZER EXTERIOR WALL

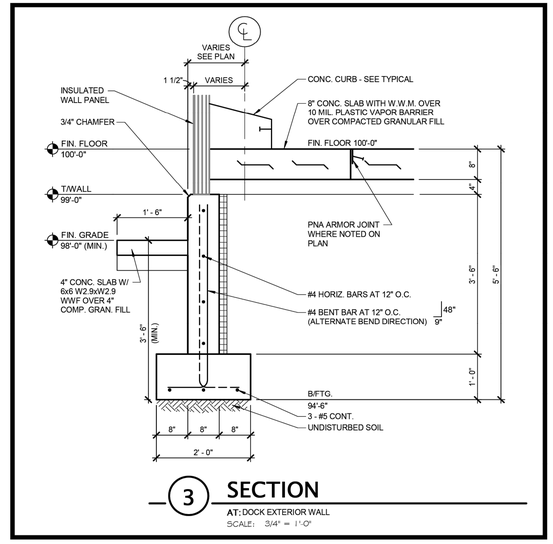
SCALE: 3/4" = 1'-0"



1 SECTION

AT: DRY STORAGE/COOLER EXTERIOR WALL

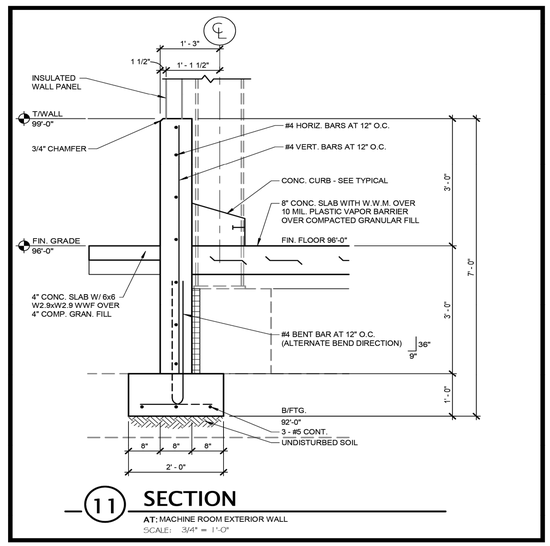
SCALE: 3/4" = 1'-0"



3 SECTION

AT: DOCK EXTERIOR WALL

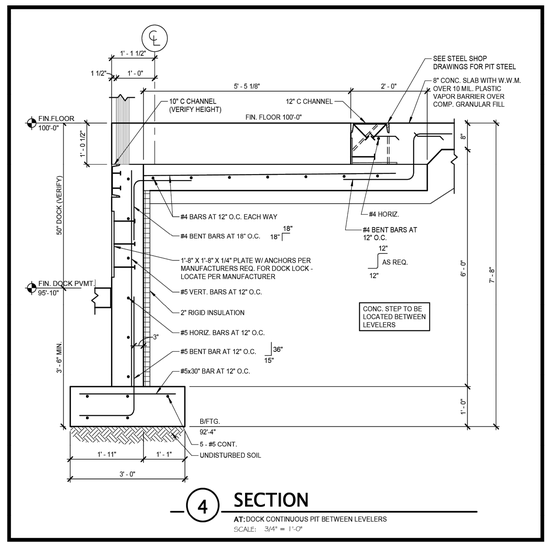
SCALE: 3/4" = 1'-0"



11 SECTION

AT: MACHINE ROOM EXTERIOR WALL

SCALE: 3/4" = 1'-0"



4 SECTION

AT: DOCK CONTINUOUS PIT BETWEEN LEVELERS

SCALE: 3/4" = 1'-0"

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CIVIL STANDARD DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C8.5

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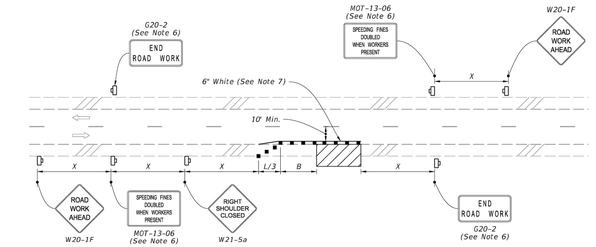
9/10/2024 10:45:37 AM

NOTE:

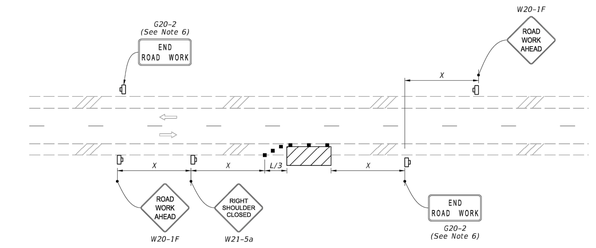
1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	DESCRIPTION:	FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/21	REVISION			102-602	1 of 2

9/10/2024 10:46:28 AM

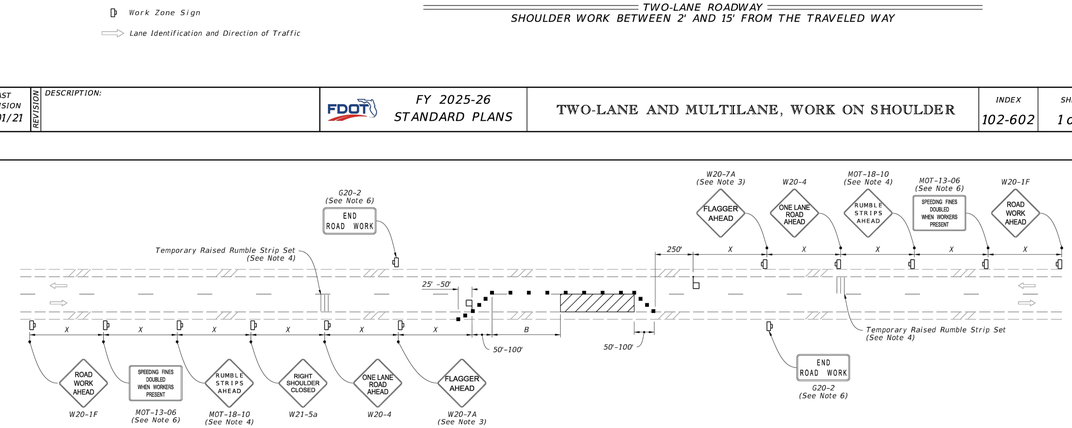
NOTES:

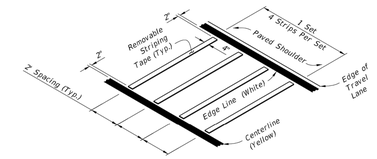
1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicle
   c. Pilot vehicles
   d. Traffic signals

   When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
8. Railroad Crossings:
   a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
   b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

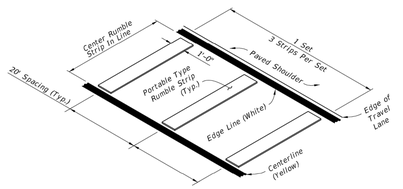
SYMBOLS:

- Work Area
- ■ Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification and Direction of Traffic





OPTION - 1
REMOVABLE STRIPING TYPE



OPTION - 2
PORTABLE TYPE

RUMBLE STRIP SETS

LAST REVISION	DESCRIPTION:	FDOT FY 2025-26 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/21	REVISION			102-603	1 of 2

No.	DATE	BY
4	06/09/2026	IRC
3	01/08/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG

REVISIONS

APOPKA MDP PLANNING COMMENTS
APOPKA MDP PLANNING COMMENTS
SJRWMD COMMENTS DATED 2025/11/05
CITY COMMENTS DATED 2025/11/04

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

MOT DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C8.6

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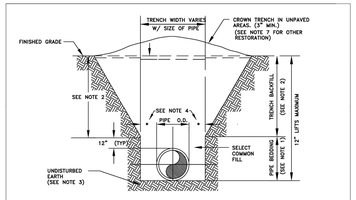
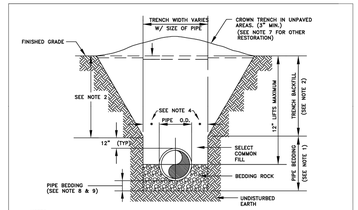


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS TO AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.
8. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100

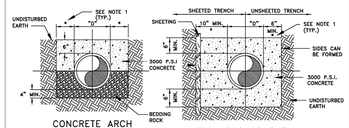


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101



NOTES:

1. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND OVER. FOR CONCRETE ARCH, THE MIN. WIDTH SHALL BE EQUAL TO OUTSIDE DIAMETER OF PIPE.
2. "D" REFERS TO THE DIAMETER OF THE PIPE.
3. "T" REFERS TO THE THICKNESS OF THE PIPE.
4. THE NEED FOR CONCRETE ARCH/ HALF ENCASEMENT OR FULL ENCASEMENT TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
5. ENDS OF ENCASEMENT SHALL BE FORMED, AND LOCATIONS SHALL BE INDICATED ON RECORD DRAWINGS.

CONCRETE ARCH AND ENCASEMENT DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 102

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *	PIPE SIZE									
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND	33	43	51	60							
45° BEND	14	18	22	25							
22-1/2° BEND	7	9	11	12							
11-1/4° BEND	4	5	6	6							
TEE**	1	7	24	44							
REDUCER (ONE SIZE SMALLER)		41	39	40							
DEAD END	74	96	115	136							

* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, FOR PVC WITH THE FOLLOWING ASSUMPTIONS:
   TYPE OF PIPE:_PVC_
   WORKING PRESSURE:_150_P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:_SM(SAND SILT)_ WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:_3_
6. FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
7. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *	PIPE SIZE									
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND					61	67	73	84	100	114	
45° BEND					26	28	31	35	42	48	
22-1/2° BEND					13	14	15	17	20	23	
11-1/4° BEND					6	7	8	9	10	12	
TEE**					52	62	74	95	124	152	
REDUCER (ONE SIZE SMALLER)					48	25	25	47	66	66	
DEAD END					111	123	135	157	188	218	

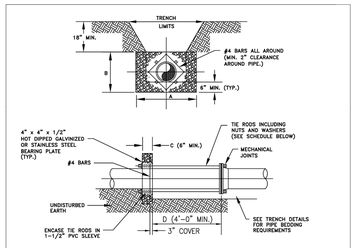
* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
   TYPE OF PIPE:_DI_
   WORKING PRESSURE:_150_P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:_SM(SAND SILT)_ WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:_3_
6. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (DI)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 106



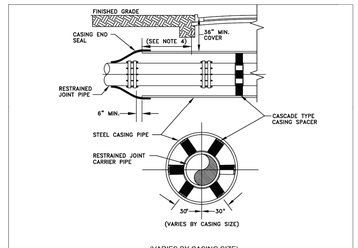
NOTES:

1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 2500 P.S.I.
3. BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 P.S.I.

SCHEDULE OF DIMENSIONS AND MATERIALS *						
PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	DIA.	NO.
6	2.0	2.0	1.0		3/4	2
8	2.5	2.5	1.0		3/4	2
10	3.5	3.0	1.0		3/4	4
12	5.0	3.0	1.0		3/4	4
16	6.0	4.0	1.5		3/4	4
20	8.0	5.0	1.5		3/4	6
24	9.0	6.0	1.5		3/4	8
NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF ____ P.S.I. WORKING PRESSURE AND 150 P.S.I. SOIL RESTRAINT (SEALED) * TO BE COMPLETED BY ENGINEER.					SEE NOTE 6	

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 107



(VARIES BY CASING SIZE)

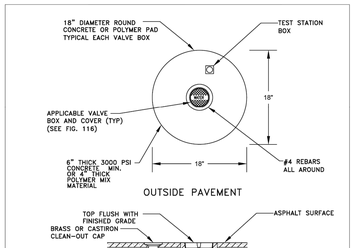
CARRIER PIPE NOMINAL DIAMETER	4	6	8	10	12	16	20	24	30	36	42
MINIMUM CASING OUTSIDE DIAMETER (INCHES)	16	16	18	20	24	30	36	42	48	54	60
MINIMUM CASING WALL THICKNESS (INCHES)	.250"	.250"	.250"	.250"	.250"	.312"	.375"	.500"	.500"	.500"	.500"

NOTES:

1. WHEN CONSTRUCTION IS WITHIN FDOT OR RAILROAD JURISDICTION, ADDITIONAL REQUIREMENTS SHALL BE MET.
2. DISTANCE BETWEEN SPACERS TO BE PER MANUFACTURER'S SPECIFICATIONS.
3. NO FLOWABLE FILL BETWEEN THE ANNULAR SPACE OF THE CASING OR CARRIER PIPE.
4. WHERE PRACTICAL, CASING SHALL EXTEND 10 FEET BEYOND EDGE OF PAVEMENT AND SHALL NOT BE LESS THAN 6 FEET BEYOND EDGE OF PAVEMENT IN ANY CASE. THE CITY MAY REQUIRE LONGER CASING FOR DEEPER BORES.

BORING AND JACKING DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 108



VALVE IDENTIFICATION TAG
TO BE INSTALLED BY CITY
& PAID FOR BY DEVELOPER

VALVE BOX

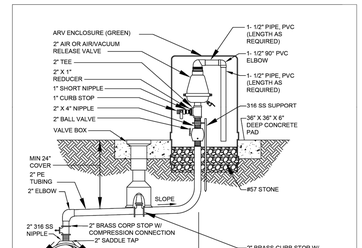
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 109

MINIMUM PRESSURE RATING									
PSI	DI FITTINGS		PIPE MATERIAL*			GATE VALVE**		FORCEMAIN*	
	≤24"	>24"	PVC	DI	HDPE	≤12"	>12"	PVC	HDPE
100								●	●
150			●		●		●		
200						●			
250		●		●					
350	●								

* PVC SHALL HAVE A MAXIMUM DIMENSION RATIO (DR) OF 18 AND HDPE SHALL BE MAX DR11. FORCEMAIN: PVC SHALL BE MAX DR18 UNLESS DESIGN REQUIRES OTHERWISE AND HDPE SHALL BE MAX DR17.
** BUTTERFLY VALVES SHALL BE CLASS 150B

PIPE AND APPURTENANCES PRESSURE RATING

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 110

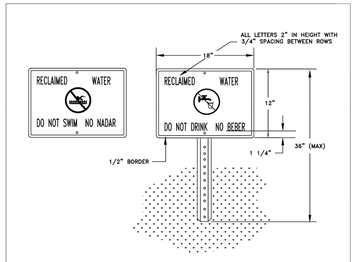


MAIN DIAMETER	ARV
14" AND SMALLER	2"
16" AND LARGER	3"

NOTES:
1. FOR WASTEWATER USE ONLY.
2. OFFSET DISTANCE TO BE FIELD DETERMINED AND AS CLOSE TO THE R/W LINE AS POSSIBLE.
3. ADJUST HORIZONTAL LOCATION OF SIDEWALK, AS REQUIRED TO AVOID ARV ENCLSOURE.
4. LOCATE ARV ENCLOSURE WITHIN 6" OF R/W LINE.

OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - WASTEWATER ONLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 114

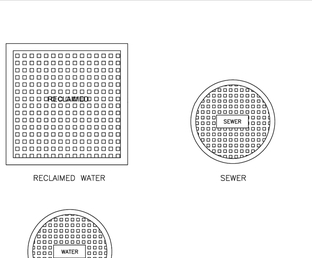


NOTES:

1. HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
2. BACKGROUND SHALL BE WHITE, LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
3. ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
4. POST SHALL BE U CHANNEL 12 FT. 2 LB. HOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, HOT DIP GALVANIZED PER ASTM A-123.
5. MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
6. SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

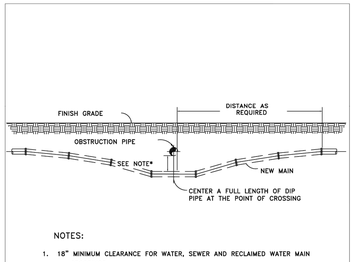
RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 115



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116



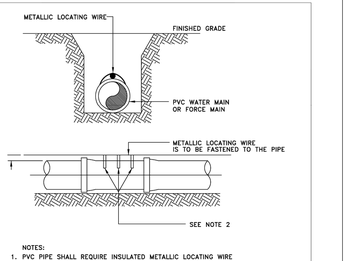
NOTES:

1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

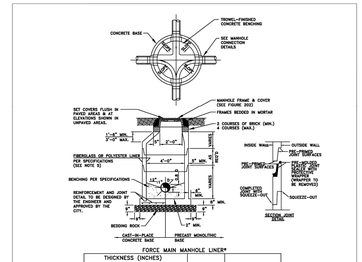


NOTES:

1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE – 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118



FORCE MAIN MANHOLE LINER*

DIAMETER (INCHES)	THICKNESS (INCHES) HEIGHT (FEET) 3–6	7–12	13–17	MATERIAL	MANUFACTURER
48					
60					
72					

* TO BE COMPLETED BY THE ENGINEER

NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24". SEE SECTION 20.4 OF THE MANUAL FOR MANHOLE DIAMETER FOR SEWERS LARGER THAN 24".
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
3. THE THICKNESS OF THE LINER SHALL BE 3/8" MINIMUM.
4. EACH BENCH WALL SHALL BE A MINIMUM OF 18 INCHES LONG FROM THE WALL OF THE MANHOLE TOWARD THE CENTER.
5. SANITARY SEWER MANHOLES MAY BE REQUIRED TO BE LINED IN ACCORDANCE WITH THE CITY OF APOPKA LIST OF APPROVED MATERIALS AND PRODUCTS AS DIRECTED BY THE CITY.

TYPICAL MANHOLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

Kimley»Horn
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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

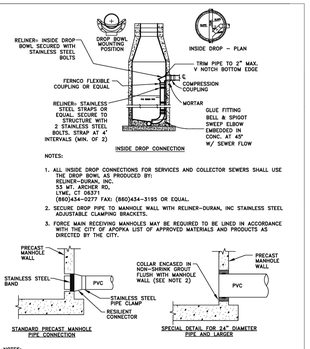
CITY OF APOPKA DETAILS

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C8.7

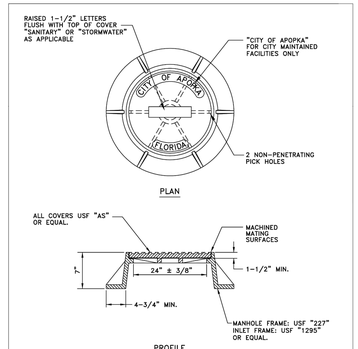


NOTES:

1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. THE CITY MAY APPROVE ALTERNATE WATERTIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
3. AN INSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 24" OR MORE ABOVE THE OUTFLOW PIPE INVERT.
4. CONCRETE TO BE MINIMUM OF 3000 PSI.

MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 201

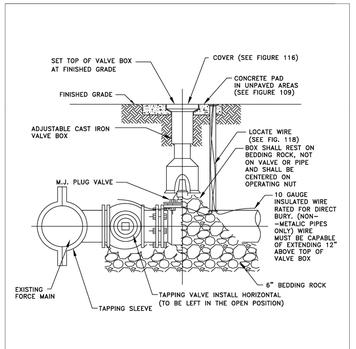


NOTES:

1. MANHOLE FRAME AND COVER ARE TO BE TRAFIC BEARING RATED H-20, CLASS 30 MEETING ASTM A 48.

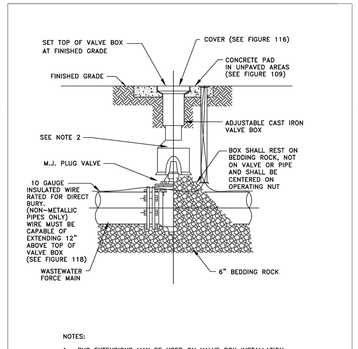
STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202



FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

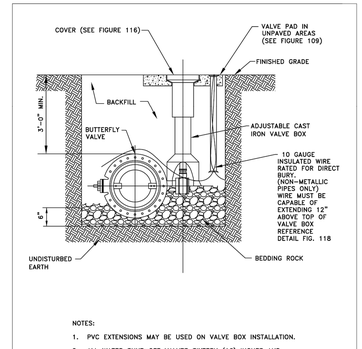


NOTES:

1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

PLUG VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400 A

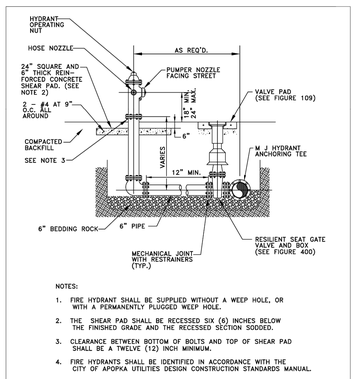


NOTES:

1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. ALL WATER SHUT-OFF VALVES SIXTEEN (16) INCHES AND LARGER SHALL BE BUTTERFLY VALVES.
3. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

BUTTERFLY VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 401

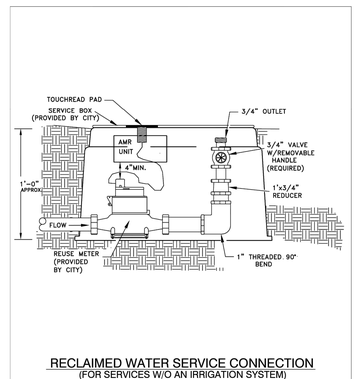


NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

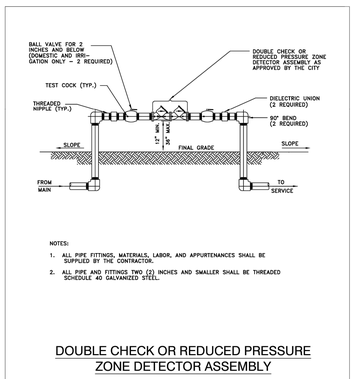
FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402



RECLAIMED WATER SERVICE CONNECTION
(FOR SERVICES W/O AN IRRIGATION SYSTEM)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 506

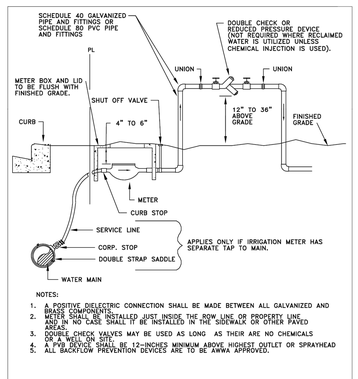


NOTES:

1. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
2. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL.

DOUBLE CHECK OR REDUCED PRESSURE ZONE DETECTOR ASSEMBLY
2 INCH AND BELOW ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 A

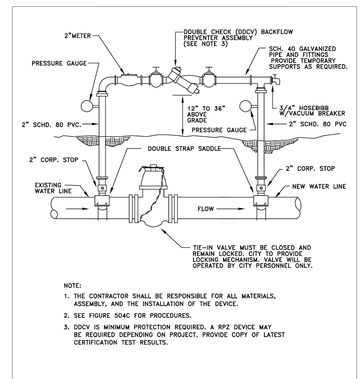


NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED JUST INSIDE THE ROW LINE OR PROPERTY LINE, AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
3. DOUBLE CHECK VALVES MAY BE USED AS LONG AS THEIR ARE NO CHEMICALS OR A WELL ON SITE.
4. A PVB DEVICE SHALL BE 12-INCHES MINIMUM ABOVE HIGHEST OUTLET OR SPRAYHEAD
5. ALL BACKFLOW PREVENTION DEVICES ARE TO BE AWWA APPROVED.

IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502

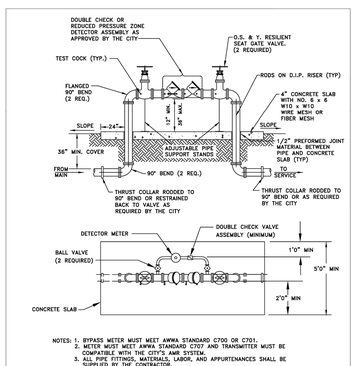


NOTE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, ASSEMBLY, AND THE INSTALLATION OF THE DEVICE.
2. SEE FIGURE 504C FOR PROCEDURES.
3. DDCV IS MINIMUM PROTECTION REQUIRED. A RPZ DEVICE MAY BE REQUIRED DEPENDING ON PROJECT. PROVIDE COPY OF LATEST CERTIFICATION TEST RESULTS.

TEMPORARY JUMPER CONNECTION

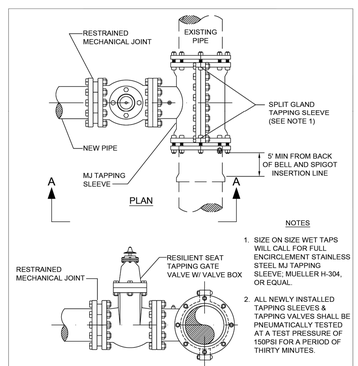
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A



NOTES: 1. BYPASS METER MUST MEET AWWA STANDARD C700 OR C701.
2. METER MUST MEET AWWA STANDARD C707 AND TRANSMITTER MUST BE COMPATIBLE WITH THE CITY'S AMR SYSTEM.
3. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
4. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL, OR BRASS.

ABOVE GROUND DEVICE WITH DETECTOR BY-PASS
2 INCH AND ABOVE ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 B

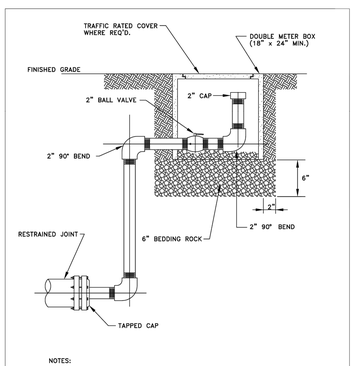


NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

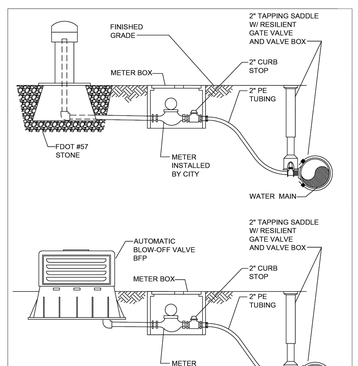


NOTES:

1. ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
2. COLOR SHALL BE APPROPRIATE FOR USE.

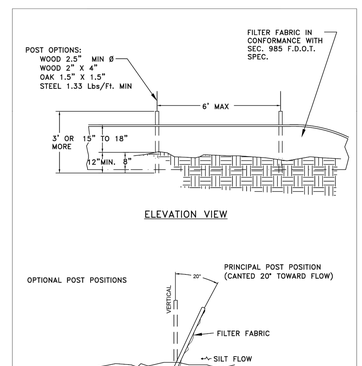
BLOWOFF VALVE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403



BLOW OFF VALVE DETAIL (AUTOMATIC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403 A



SILT FENCE INSTALLATION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 602

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No.	DATE	BY
4	APOPKA MDP PLANNING COMMENTS 06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS 01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05 12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04 12/02/2025	AG

REVISIONS

Kimley»Horn

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

APOPKA COLD STORAGE
FLORIDA

CITY OF APOPKA DETAILS
APOPKA

SHEET NUMBER C8.8

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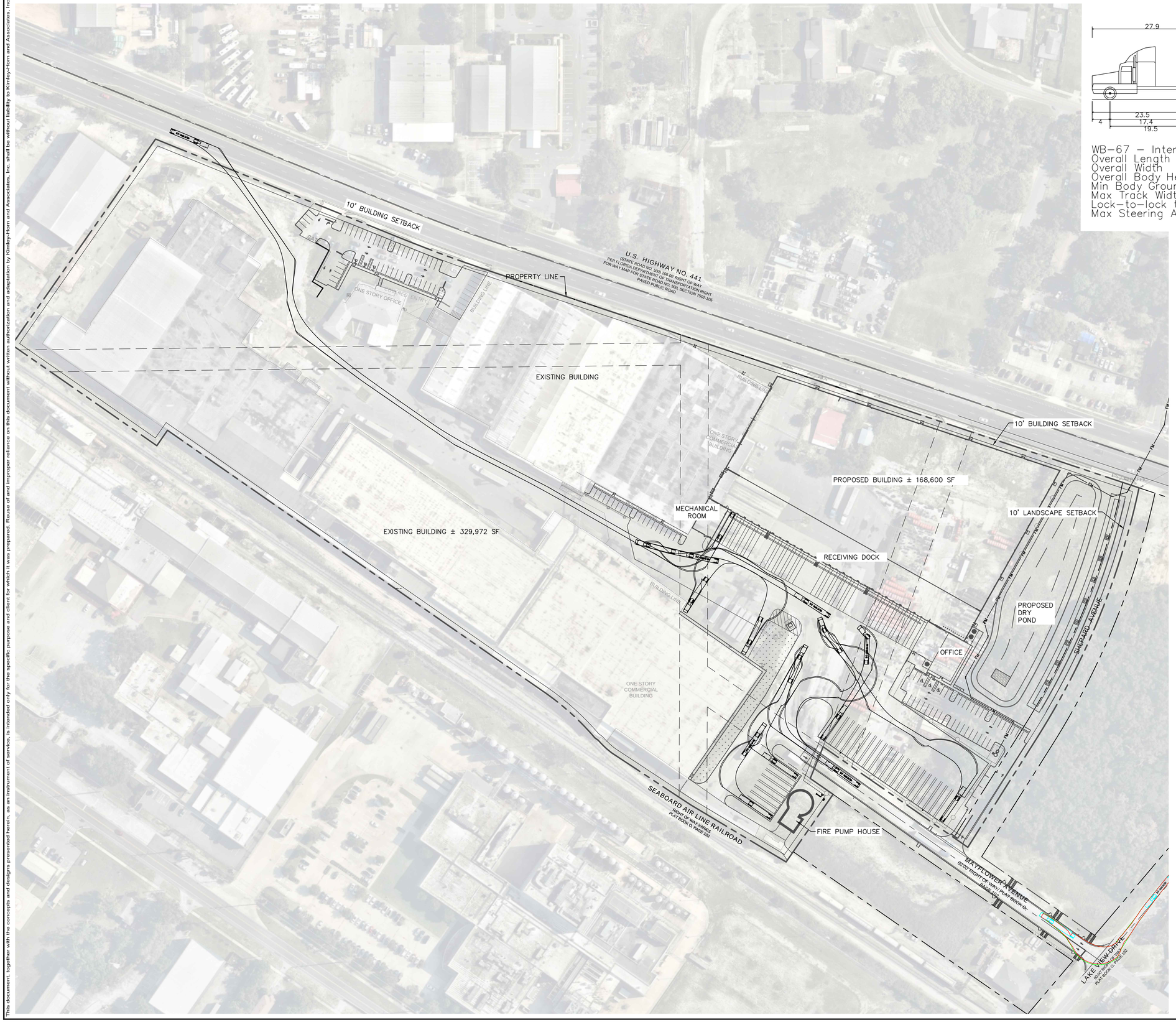

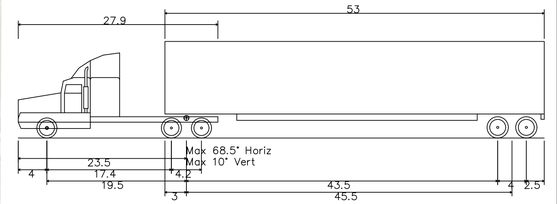

WB–67 – Interstate Semi–Trailer

Overall Length	73.501ft
Overall Width	8.500ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock–to–lock time	6.00s
Max Steering Angle (Virtual)	28.40°

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

WB-67 TRUCK ROUTING

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C9.0

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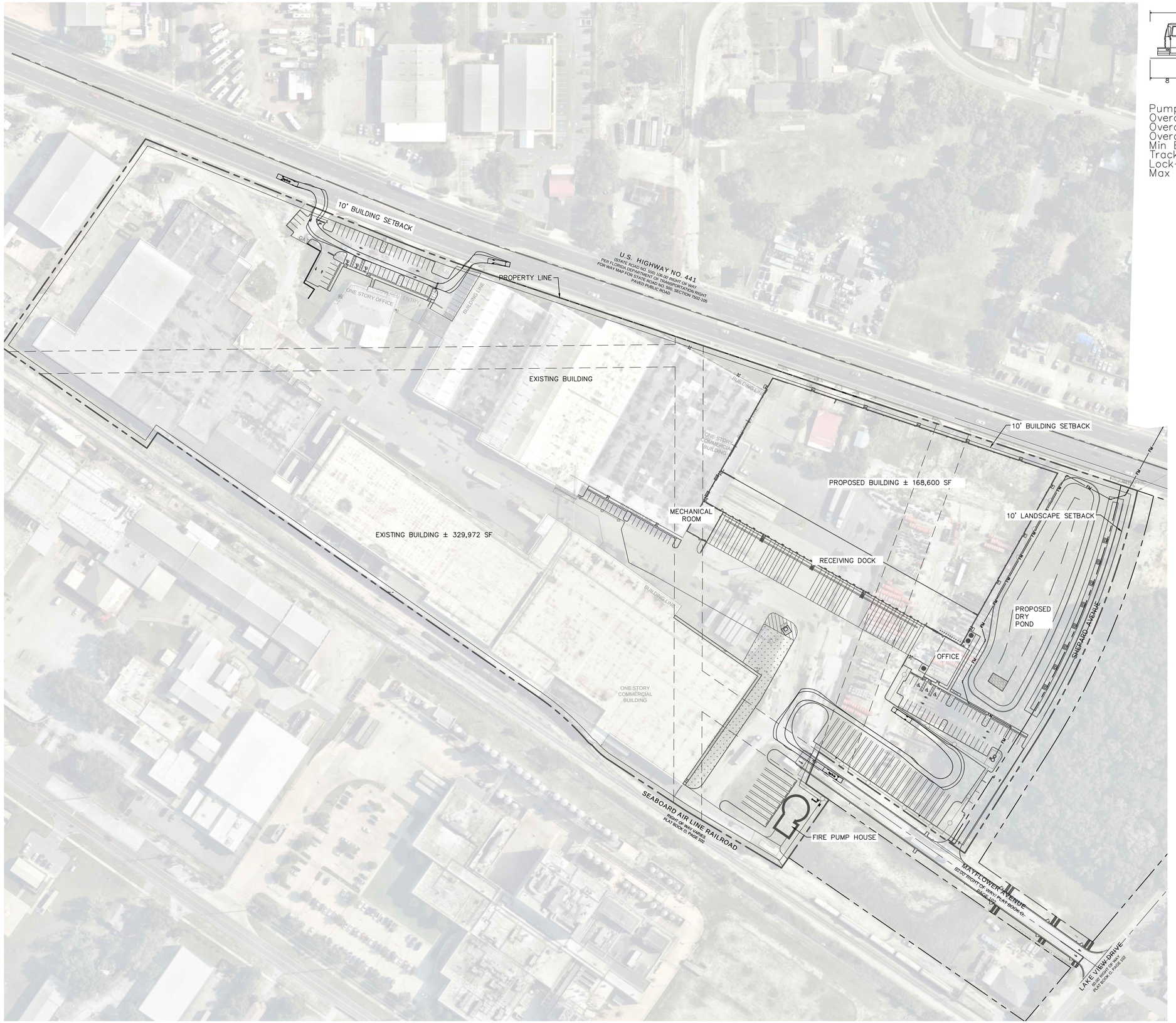

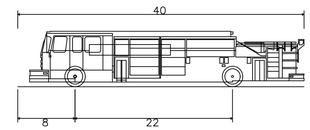

Pumper Fire Truck	
Overall Length	40.000ft
Overall Width	8.167ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.656ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

NORTH

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0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

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FIRE TRUCK ROUTING

APOPKA COLD STORAGE

APOPKA FLORIDA

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10' BUILDING SETBACK

U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT-OF-WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT
FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

PROPERTY LINE

EXISTING BUILDING

EXISTING BUILDING ± 329,972 SF

ONE STORY OFFICE

BUILDING LINE

PROPOSED BUILDING ± 168,600 SF

MECHANICAL ROOM

RECEIVING DOCK

10' LANDSCAPE SETBACK

PROPOSED DRY POND

OFFICE

SHEPARD AVENUE

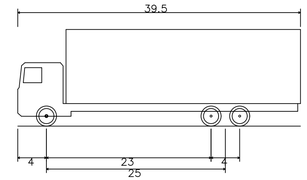
ONE STORY COMMERCIAL BUILDING

SEABOARD AIR LINE RAILROAD
RIGHT-OF-WAY VARIES
PLAT BOOK O, PAGE 102

FIRE PUMP HOUSE

MAYFLOWER AVENUE
60' RIGHT-OF-WAY
PLAT BOOK O, PAGE 102

LAKE VIEW DRIVE
60' RIGHT-OF-WAY
PLAT BOOK O, PAGE 102



SU-40 – Single Unit Truck	
Overall Length	39.500ft
Overall Width	8.000ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.367ft
Track Width	8.000ft
Lock-to-lock time	5.00s
Max Steering Angle (Virtual)	31.80°

NORTH

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1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

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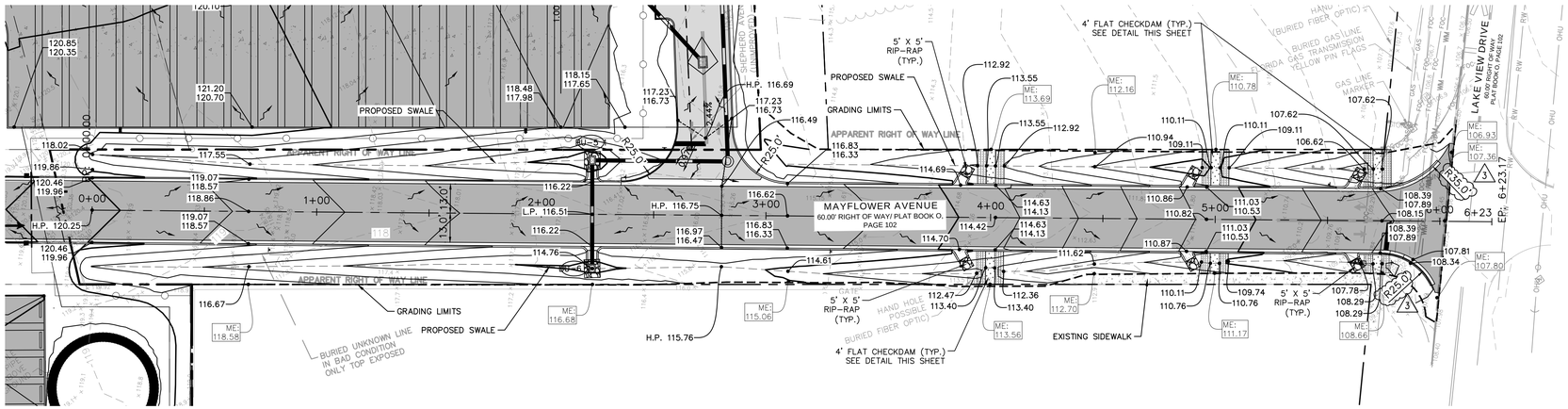
CHECKED BY JME

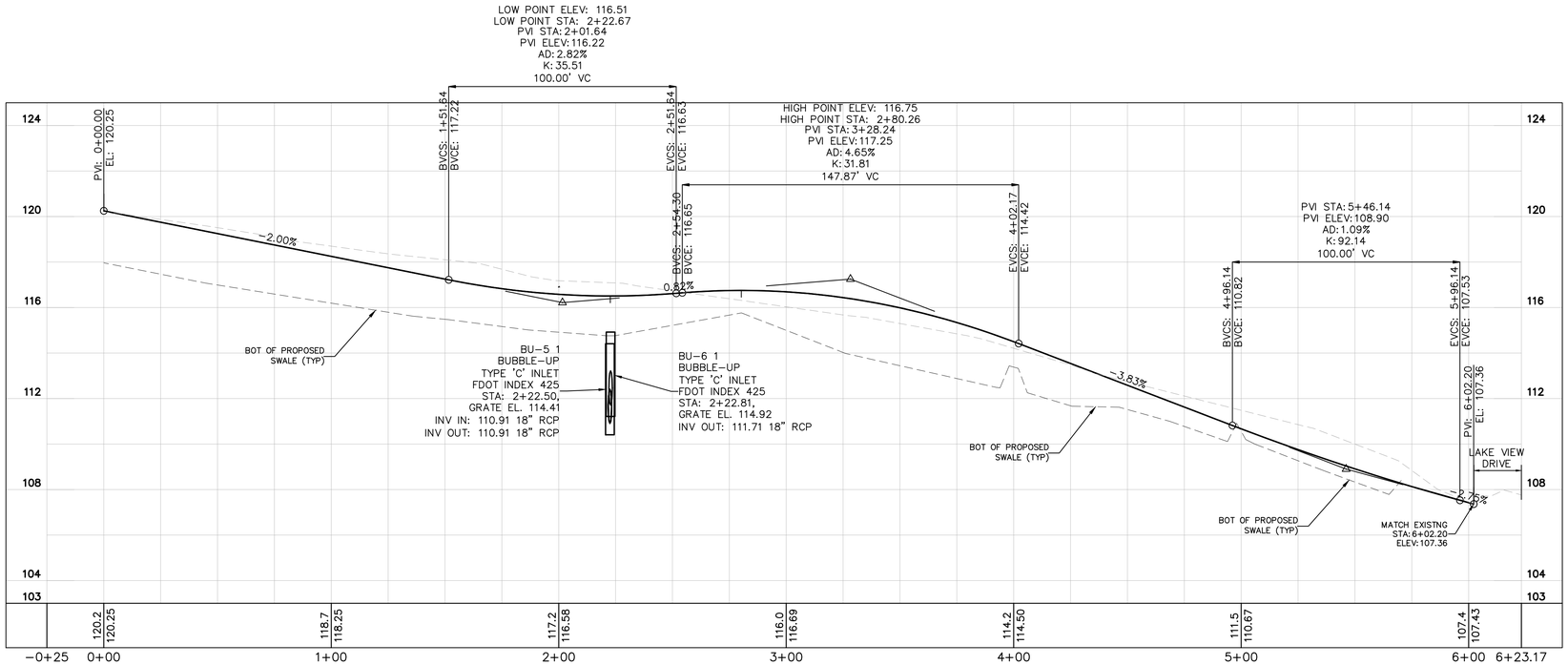
GARBAGE TRUCK ROUTING

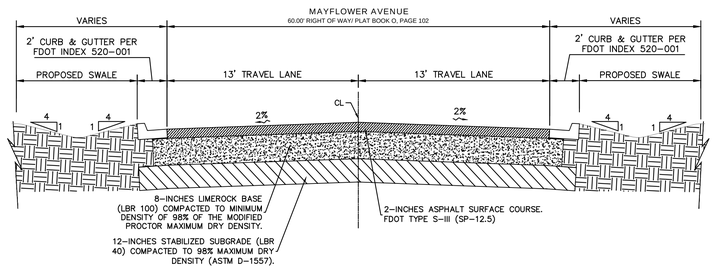
APOPKA COLD STORAGE

APOPKA FLORIDA

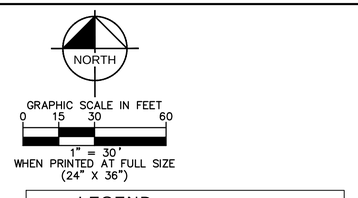
SHEET NUMBER
C9.0







TYPICAL ROAD SECTION
NTS



LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- EXISTING STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

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DRAWN BY JAM
CHECKED BY JME

MAYFLOWER AVENUE IMPROVEMENTS

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C10.0

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Sunshine811.com

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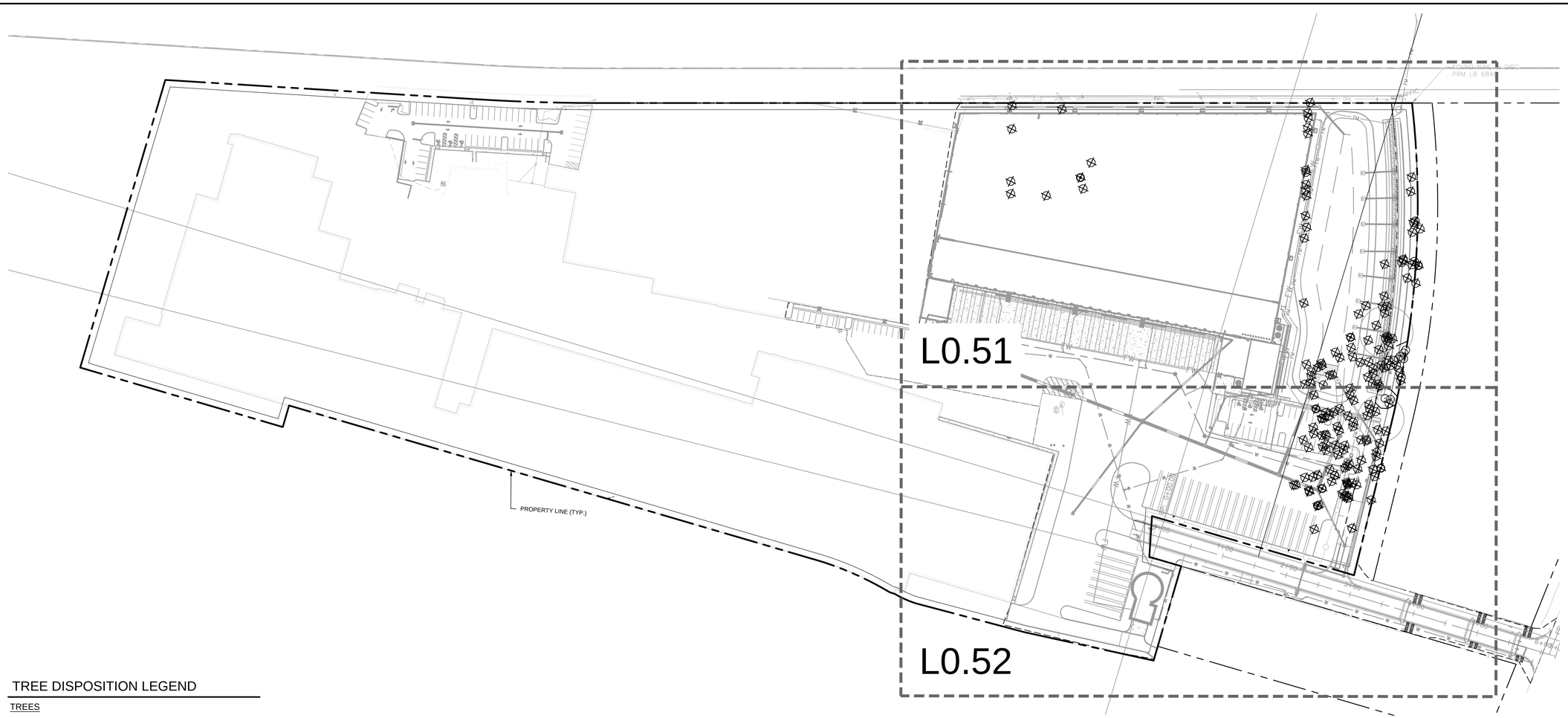

TREE DISPOSITION LEGEND

TREES

PRESERVE IN PLACE

- PROTECTED TREE
- SPECIMEN TREE

REMOVE

- PROTECTED TREE
- SPECIMEN TREE

FENCING

- TEMPORARY TREE PROTECTION FENCE

TREE CANOPY COVERAGE TABLE		
	SF	PERCENT
TOTAL SITE AREA	1,128,204	100%
TOTAL CANOPY AREA	36,060	3%
REQUIRED CANOPY AREA TO REMAIN	2,884	8%
PROPOSED CANOPY TO REMAIN	3,184	8.8%

TREE REMOVAL TABLE		
	TREES	INCHES
TOTAL TREES ON SITE	78	1311
TOTAL TREES TO BE REMOVED	68	1174
TOTAL TREES TO REMAIN	10	137
TOTAL INCHES TO BE MITTIGATED		1,037

TREE REPALCEMENT TABLE		
	TREES	INCHES
TOTAL MITTIGATION REQUIRED		1,037
TOTAL PROPOSED TREES		
CANOPY TREES (3" CALIPER)	64	192
UNDERSOTRY TREES (5" TOT. CALIPER)	54	270
UNDERSOTRY TREES (2" CALIPER)	0	0
NET MITITTGATION OWED		575
TOTAL FEE TO BE PAID ($10 PER INCH)		$ 5,750.00

SPECIMEN TREE TABLE		
	TREES	INCHES
SPECIMEN TREES ON SITE	9	274
SPECIMEN TREES REMOVED	9	274
SPECIMEN TREES RETAINED	0	0

THIS TABLE ONLY INCLUDES CALCULATIONS FOR PROTECTED TREES

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

OVERALL TREE MITIGATION

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER L0.50

Plotted By:Erot, Joshua Sheet Set:Cold Link CD Layout:L0.50 June 10, 2026 05:05:47pm K:\ORL_Civil\049607003-Cold Link Apopka\CAD\WDP\Sheet\L0.50 – TREE MITIGATION PLAN.dwn
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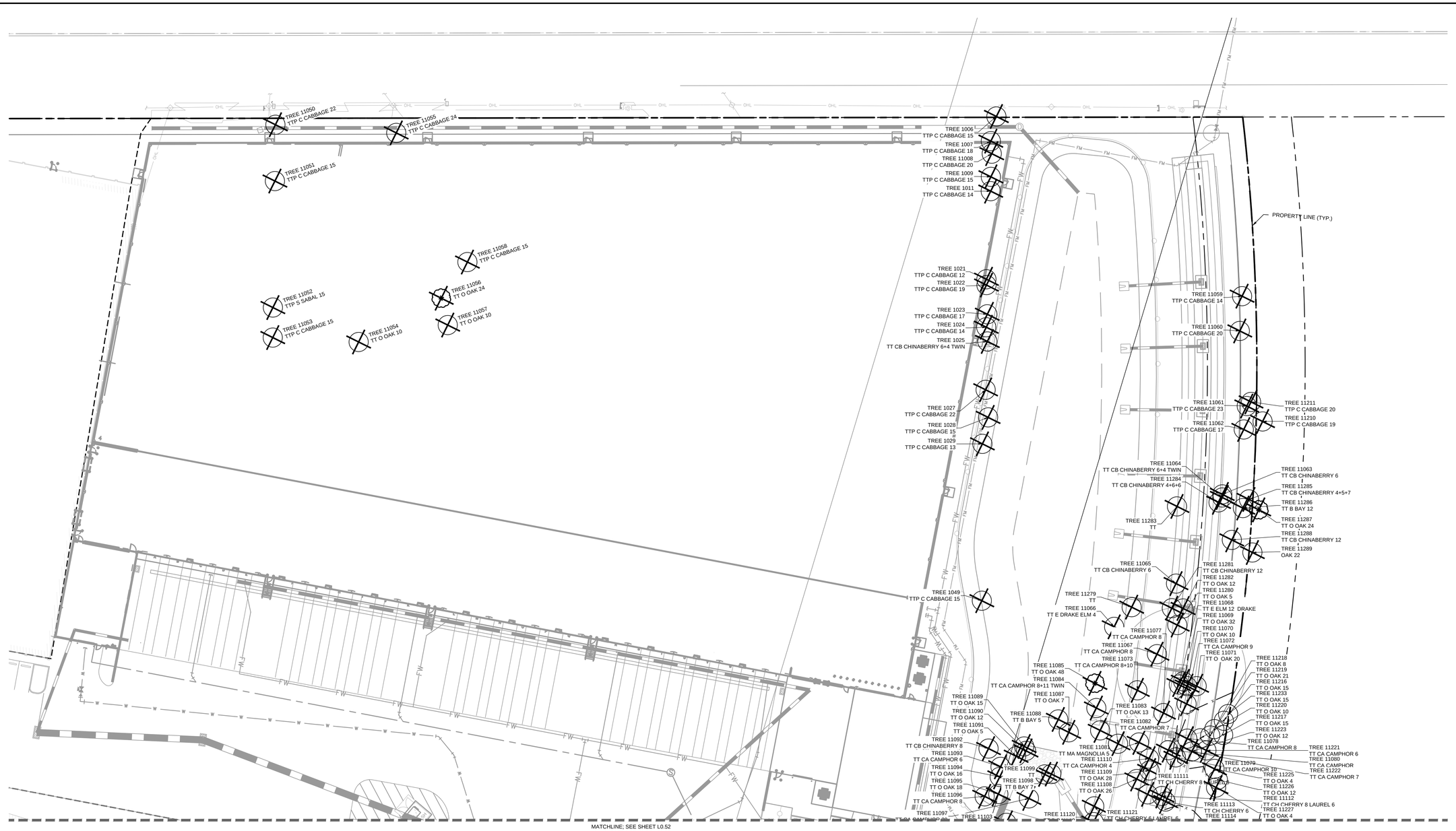

TREE DISPOSITION LEGEND

TREES

PRESERVE IN PLACE

- PROTECTED TREE
- SPECIMEN TREE

REMOVE

- PROTECTED TREE
- SPECIMEN TREE

FENCING

- TEMPORARY TREE PROTECTION FENCE

No.	DATE	BY
4	06/09/2026	IRC
3	01/08/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG
	REVISIONS	

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DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

DETAIL TREE MITIGATION PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
L0.51

Plotted By:Erol Joshua Sheet Set:Cold Link CD Layout:L0.51 June 10, 2026 05:05:54pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Pinsheet\L0.50 – TREE MITIGATION PLAN.dwg
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MATCHLINE; SEE SHEET L0.51

TREE 11096
TT CA CAMPHOR 8
TREE 11097
TT CA CAMPHOR 30
TREE 11106
TT CA CAMPHOR 5
TREE 11175
TT CH CHERRY 4 LAUREL 4
TREE 11174
TT CH CHERRY 5 LAUREL 5
TREE 11176
TT O OAK 9
TREE 11103
TT O OAK 12
TREE 11102
TT O OAK 30
TREE 11104
TT
TREE 11130
TT CH CHERRY 5 LAUREL 5
TREE 11177
TT CB CHINABERRY 10
TREE 11178
TT CB CHINABERRY 12+11+10+8
TREE 11186
TT B BAY 6
TREE 11180
TT O OAK 6
TREE 11179
TT B BAY 14
TREE 11185
TT B BAY 10
TREE 11181
TT
TREE 11160
TT CB CHINABERRY 10+12
TREE 11161
TT CB CHINABERRY 20+12
TREE 11172
TT CB CHINABERRY 7
TREE 11171
TT O OAK 11+8
TREE 11170
TT O OAK 15
TREE 11169
TT O OAK 10
TREE 11167
TT O OAK 6
TREE 11168
TT O OAK 10
TREE 11166
TT B BAY 4
TREE 11165
TT B BAY 8
TREE 11163
TT O OAK 27
TREE 11162
TT CH CHERRY 4 LAUREL 4
TREE 11154
TT O OAK 30
TREE 11164
TT CH CHERRY 6 LAUREL 5
TREE 11151
TT CA CAMPHORS 2+6 TWIN
TREE 11155
TT O OAK 22
TREE 11182
TT B BAY 10
TREE 11184
TT B BAY 6
TREE 11130
TT B BAY 12
TREE 11137
TT
TREE 11150
TT CA CAMPHOR 4
TREE 11144
TT O OAK 12
TREE 11143
TT O OAK 12
TREE 11275
TT O OAK 18
TREE 11274
TT
TREE 11120
TT B BAY 10
TREE 11119
TT O OAK 12
TREE 11105
TT
TREE 11129
TT CA CAMPHOR 9
TREE 11128
TT CA CAMPHOR 6
TREE 11127
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TREE 11134
TT B BAY 12
TREE 23
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TREE 11142
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TT O OAK 28
TREE 11121
TT CH CHERRY 6 LAUREL 6
TREE 11126
TT CA CAMPHOR 18
TREE 11117
TT
TREE 11115
TT O OAK 15
TT CA CAMPHOR 10
TREE 11116
TT CA CAMPHOR 7
TREE 11242
TT EA EAR 24
TREE 11241
TT EA EAR 26+28
TREE 11125
TT B BAY 15
TREE 11123
TT B BAY 13
TREE 11124
TT B BAY 12
TREE 11255
TT EA EAR 12
TREE 11256
TT EA EAR 8
TREE 11257
TT EA EAR 8
TREE 11140
TT B BAY 15
TREE 11258
26" OAK
TREE 11259
TT EA EAR 12
TREE 11260
TT EA EAR 8
TREE 11139
TT B BAY 12
TREE 11138
TT B BAY 10
TREE 11145
TT O OAK 12
TREE 11146
TT O OAK 5
TREE 11272
TT EA EAR 12
TREE 11149
TT CA CAMPHOR 5
TREE 11147
TT O OAK 10+11+12
TREE 11148
TT O OAK 11+8
TREE 11113
TT CH CHERRY 6
TREE 11114
TT O OAK 17
TREE 11245
TT O OAK 12
TREE 11244
TT CH CHERRY 6 LAUREL 6
TREE 11118
TT O OAK 12
TREE 11112
TT CH CHERRY 8 LAUREL 6
TREE 11227
TT O OAK 4

PROPERTY LINE (TYP.)

0+00
1+00
2+00
3+00
4+00
5+00

TREE DISPOSITION LEGEND

TREES

PRESERVE IN PLACE

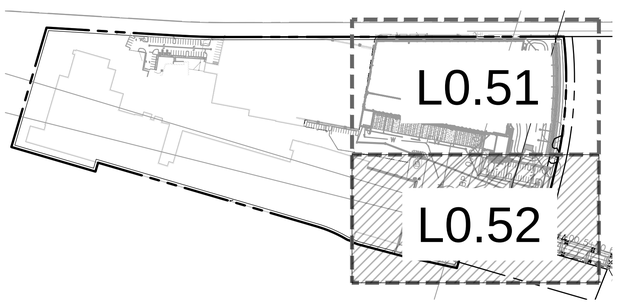
- PROTECTED TREE
- SPECIMEN TREE

REMOVE

- PROTECTED TREE
- SPECIMEN TREE

FENCING

- TEMPORARY TREE PROTECTION FENCE



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

DETAIL TREE MITIGATION PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L0.52

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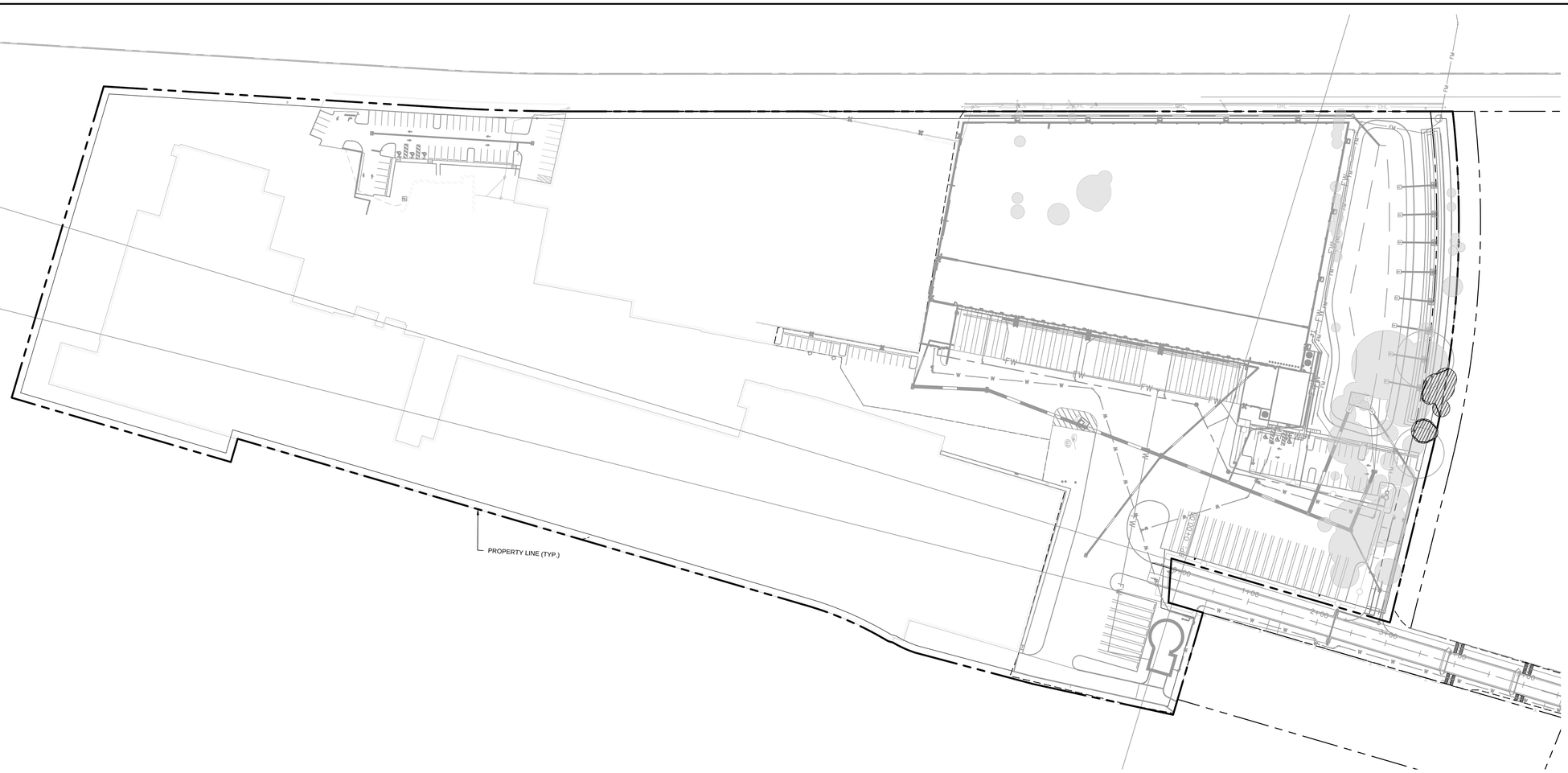

TREE CANOPY COVERAGE

TOTAL SITE AREA: 1,128,204 SF
TOTAL EXISTING CANOPY COVERAGE: 36,060 SF
ZONING - I-L, REQUIRED TO PRESERVE 8% TOTAL CANOPY COVERAGE
36,060 SF X 0.08 = 2,884 SF REQUIRED TO SAVE

TOTAL CANOPY AREA TO BE REMOVED:
32,878 SF

TOTAL CANOPY AREA TO BE PRESERVED:
3,182 SF

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

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Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

TREE MITIGATION CANOPY COVER

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L0.53

Plotted By:Eric Joshua Sheet Set:Cold Link CD Layout:L0.54 June 10, 2026 05:06:07pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Plansheets\L0.50 - TREE MITIGATION PLAN.dwg
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TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHERE TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION). WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF TWELVE (12) WEEKS PRIOR TO TREE RELOCATION.
6. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

TREE CANOPY PRUNING

1. TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.
2. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
3. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
4. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
5. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
6. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
7. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
8. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
9. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

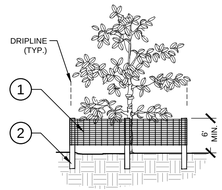
L. TOPSOIL

10. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
11. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
12. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
13. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
14. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

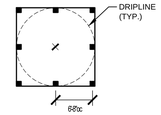
M. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.

1 L0.54 TYPICAL TREE MITIGATION NOTES



ELEVATION



PLAN



CORNER CONNECTION



CONNECTION

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

2 L0.54 TREE PROTECTION FENCING
ELEVATION / PLAN NTS

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	S.JRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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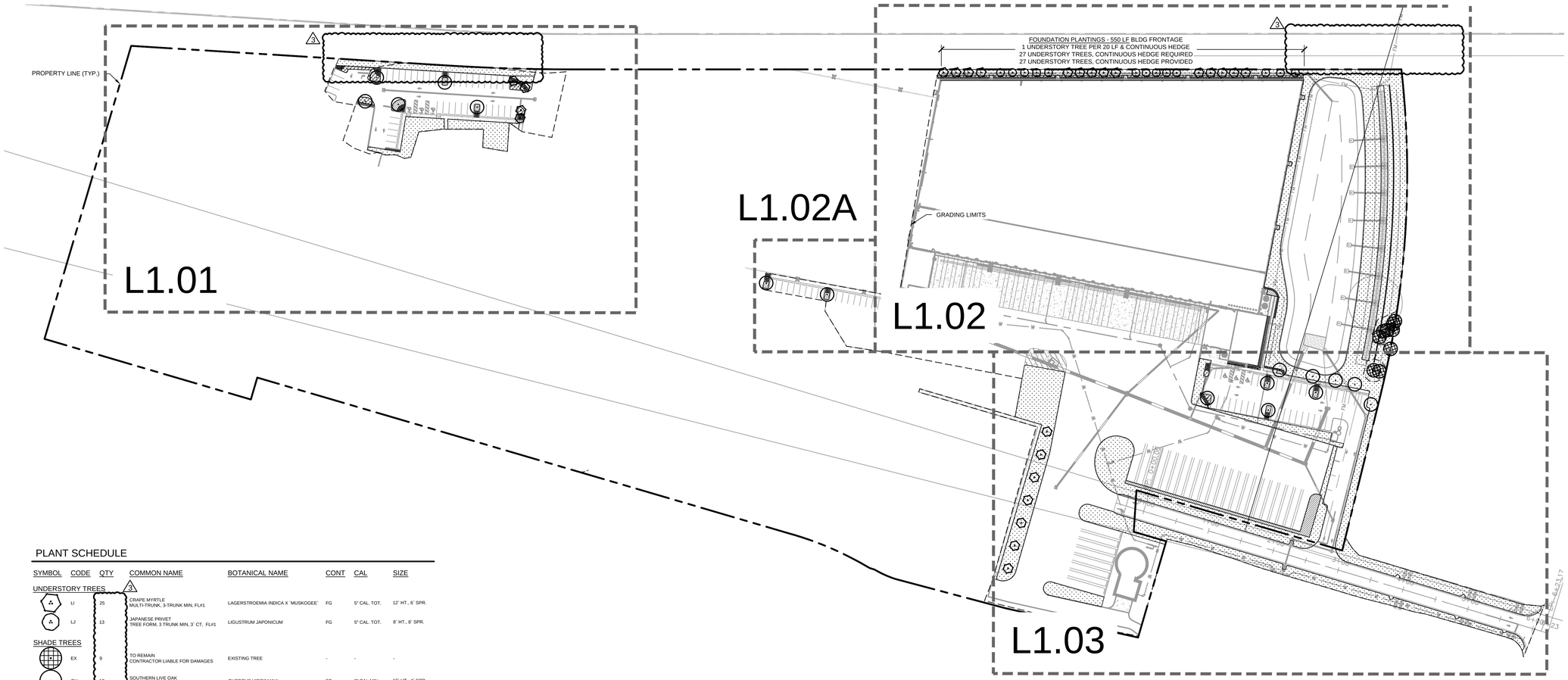
KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

TREE MITIGATION NOTES AND DETAILS

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
L0.54



PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE
UNDERSTORY TREES							
	LI	25	CRAPE MYRTLE MULTI-TRUNK, 3-TRUNK MIN, FL#1	LAGERSTROEMIA INDICA X `MUSKOGEE`	FG	5" CAL. TOT.	12' HT., 6' SPR.
	LJ	13	JAPANESE PRIVET TREE FORM, 3 TRUNK MIN, 3` CT, FL#1	LIGUSTRUM JAPONICUM	FG	5" CAL. TOT.	8' HT., 8' SPR.
SHADE TREES							
	EX	9	TO REMAIN CONTRACTOR LIABLE FOR DAMAGES	EXISTING TREE	-	-	-
	QV	17	SOUTHERN LIVE OAK STRAIGHT, SINGLE LEADER, FL #1, FULL	QUERCUS VIRGINIANA	FG	3" CAL MIN	10' HT., 4' SPR.
SYMBOL	**CODE**	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**CONT**	**SIZE**	**SPACING**
SHRUBS							
	PM	266	PODOCARPUS FULL	PODOCARPUS MACROPHYLLUS	7 GAL	30" FULL	30" OC
	SC	13	GREEN SCHEFFLERA FULL	SCHEFFLERA ARBORICOLA	3 GAL	18" FULL	30" OC
	ZF	260	COONTIE FULL	ZAMIA FLORIDANA	3 GAL	18" FULL	30" OC
GROUND COVERS							
	EB	1,241	DWARF MORNING GLORY 'BLUE MY MIND' FULL	EVOLVULUS NUTTALLIANUS `BLUE DAZE`	1 GAL	12" SPRD MIN	18" OC
	LL	1,128	EVERGREEN GIANT LILY TURF FULL	LIRIOPE MUSCARI `EVERGREEN GIANTS`	1 GAL	12" FULL	18" OC
SOD							
	PA	88,128 SF	ARGENTINE BAHIAGRASS	PASPALUM NOTATUM 'ARGENTINE'	SOD	-	-

MISC.	QTY	BOTANICAL/COMMON NAME	SPECIFICATIONS
MULCH	TBD	DESIGNER BROWN HARDWOOD MULCH	3" DEPTH MINIMUM, SHREDDED, FREE OF WEEDS/INVASIVE PLANT MATERIAL

LANDSCAPE NOTES:

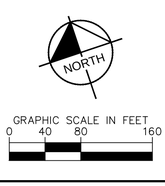
1. ALL LANDSCAPE MATERIAL TO BE FLORIDA GRADE #1 OR BETTER QUALITY
2. ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
3. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
4. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA 2) TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.
11. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
13. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
14. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
15. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.
16. ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM.
17. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).
18. ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.
19. ALL PLANTED LANDSCAPE AREAS TO HAVE 3" DEEP DESIGNER BROWN HARDWOOD MULCH TO FULLY COVER DRIP IRRIGATION & AMENDED SOILS. REPAIR AS NEEDED DURING CONSTRUCTION. SUBMIT ALTERNATIVE MULCH SPECIFICATION FOR LANDSCAPE ARCHITECT APPROVAL.

LANDSCAPE CALCULATIONS

PER "APOPKA" LAND DEVELOPMENT CODE

	REQUIRED	PROVIDED
FOUNDATION PLANTINGS 1 UNDERSTORY TREE PER 20 LF CONTINUOUS HEDGE *SECTION 5.2.5 A*	**PRIMARY FACADE - 550 LF BLDG FRONTAGE** 27 UNDERSTORY TREES, CONTINUOUS HEDGE	**PRIMARY FACADE - 550 LF BLDG FRONTAGE** 27 UNDERSTORY TREES, CONTINUOUS HEDGE
PARKING LOT 1 CANOPY TREE PER 10 SPACES 10% OF VUA INTERIOR PLANTINGS 30% OF VUA CANOPY COVERAGE *SECTION 5.2.5 B.1.C*	**COMBINED VUA - 34,984 SF** 8 SHADE TREES 3,498 SF OF INTERIOR PLANTINGS 10,495 SF OF CANOPY COVERAGE	**COMBINED VUA - 34,984 SF** 12 SHADE TREES, 4 UNDERSTORY TREES (2:1) 4,051 SF OF INTERIOR PLANTINGS 13,756 SF OF CANOPY COVERAGE

3



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No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
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KHA PROJECT 049607003
DATE 6/10/26
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OVERALL LANDSCAPE PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L1.00

Plotted By:Erol Joshua Sheet Set:Cold Link CD Layout:L1.00 June 10, 2026 05:06:29pm K:\ORL_Civil\049607003-Cold Link Apopka\CAD\MDP\Planset\L1.00 - LANDSCAPE PLAN.dwg
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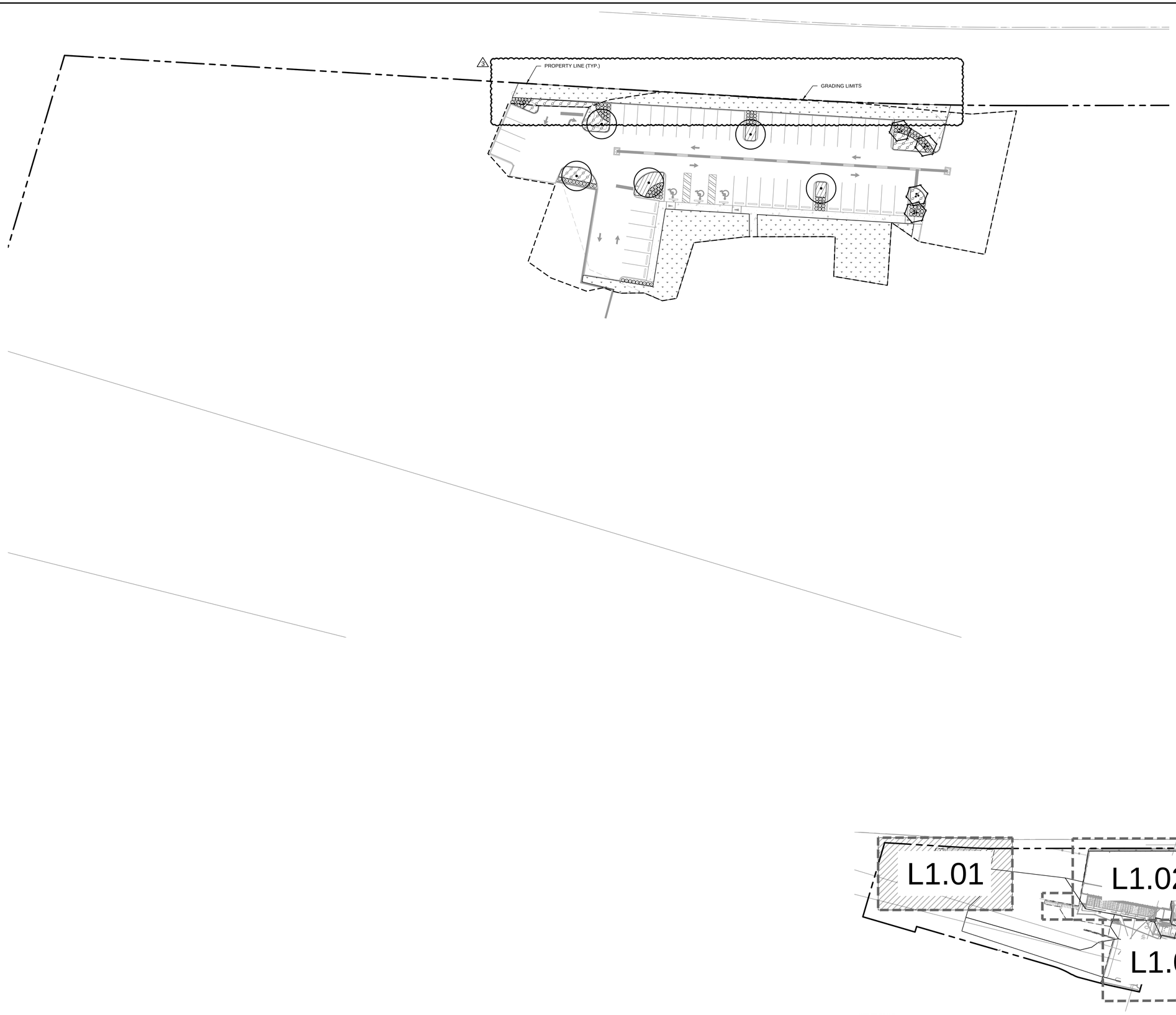

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
UNDERSTORY TREES		
	LI	LAGERSTROEMIA INDICA X `MUSKOGEE` MULTI-TRUNK, 3-TRUNK MIN, FL#1
	LJ	LIGUSTRUM JAPONICUM TREE FORM, 3 TRUNK MIN, 3` CT, FL#1
SHADE TREES		
	EX	EXISTING TREE CONTRACTOR LIABLE FOR DAMAGES
	QV	QUERCUS VIRGINIANA STRAIGHT, SINGLE LEADER, FL #1, FULL
SHRUBS		
	PM	PODOCARPUS MACROPHYLLUS FULL
	SC	SCHEFFLERA ARBORICOLA FULL
	ZF	ZAMIA FLORIDANA FULL
GROUND COVERS		
	EB	EVOLVULUS NUTTALLIANUS `BLUE DAZE` FULL
	LL	LIRIOPE MUSCARI `EVERGREEN GIANTS` FULL
SOD		
	PA	PASPALUM NOTATUM 'ARGENTINE'

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LANDSCAPE PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
L1.01

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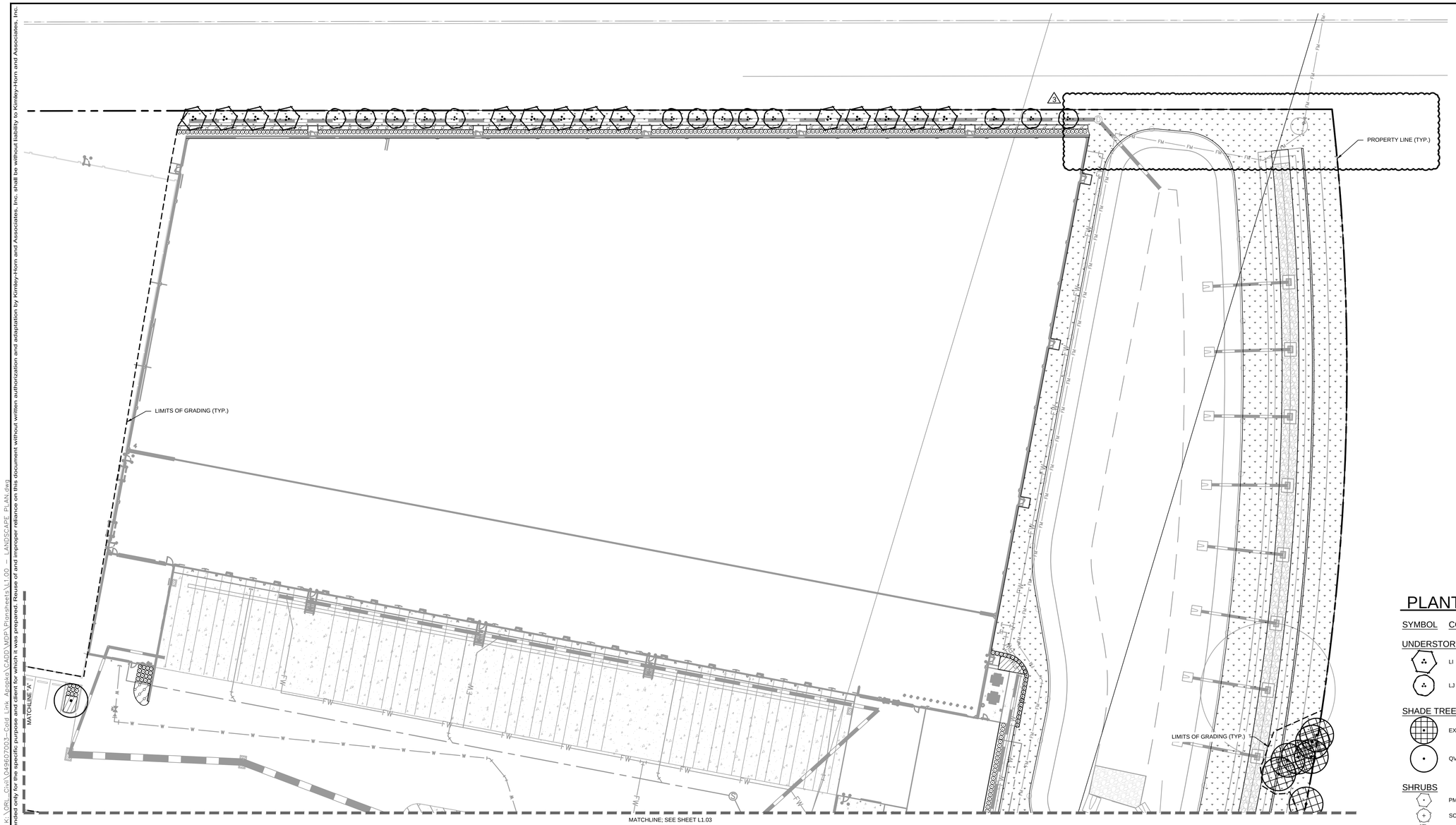

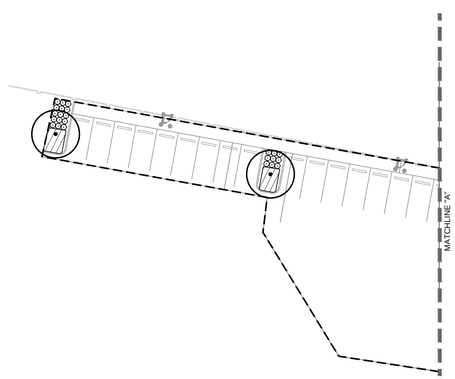

PLANT SCHEDULE

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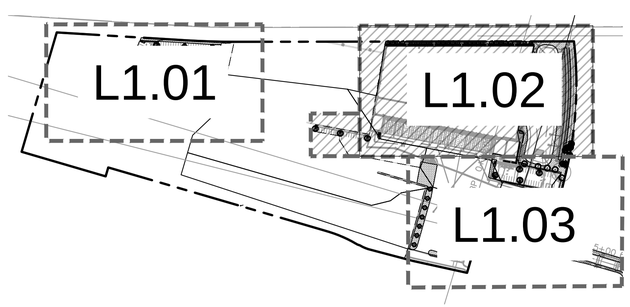
SHADE TREES		
	EX	EXISTING TREE CONTRACTOR LIABLE FOR DAMAGES
	QV	QUERCUS VIRGINIANA STRAIGHT, SINGLE LEADER, FL #1, FULL
SHRUBS		
	PM	PODOCARPUS MACROPHYLLUS FULL
	SC	SCHEFFLERA ARBORICOLA FULL
	ZF	ZAMIA FLORIDANA FULL
GROUND COVERS		
	EB	EVOLVULUS NUTTALLIANUS `BLUE DAZE` FULL
	LL	LIRIOPE MUSCARI `EVERGREEN GIANTS` FULL
SOD		
	PA	PASPALUM NOTATUM 'ARGENTINE'



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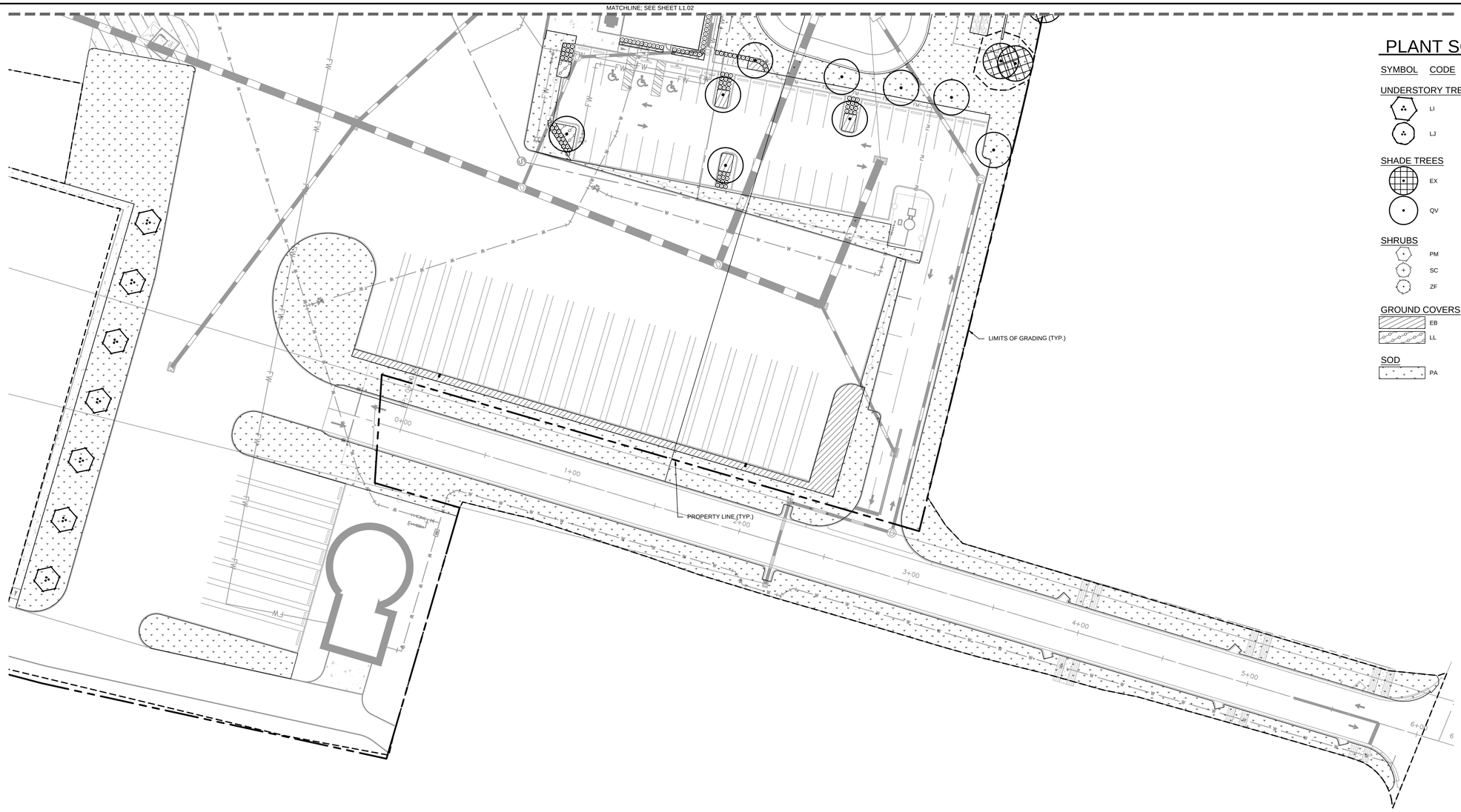
LANDSCAPE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L1.02



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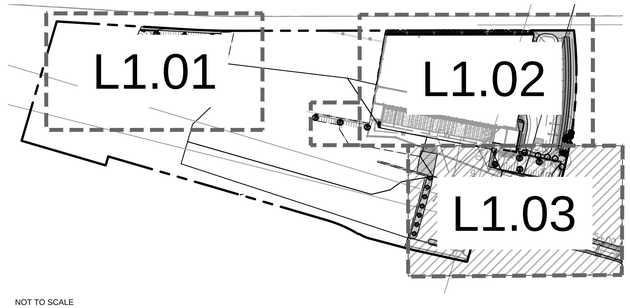

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LANDSCAPE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L1.03

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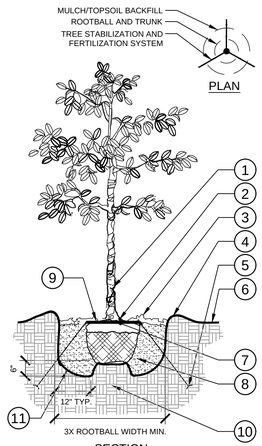


1. TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
2. 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
3. 3" MINIMUM MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6' DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
4. 4" HIGH BERM, FIRMLY COMPACTED.
5. TREE FROG ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. FINISHED GRADE. (SEE GRADING PLAN)
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. PREPARED PLANTING SOIL AS SPECIFIED.
9. TOP OF ROOTBALL SHALL BE 1" ABOVE FINISHED GRADE. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.
10. UNDISTURBED NATIVE SOIL.
11. SCARIFY BOTTOM AND SIDES OF PLANTING PIT.

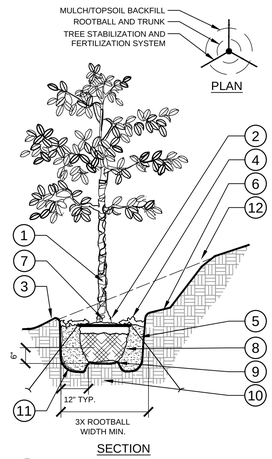
NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 L1.50 TREE PLANTING
SECTION / PLAN — NTS



1. TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
2. 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
3. 3. 4" HIGH BERM, FIRMLY COMPACTED.
4. 3" MINIMUM OF HARDWOOD BARK MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6' DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
5. TREE FROG ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. 4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE. (SEE GRADING PLAN)
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. PREPARED PLANTING SOIL AS SPECIFIED.
9. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.
10. UNDISTURBED NATIVE SOIL.
11. SCARIFY BOTTOM AND SIDES OF PLANTING PIT.
12. CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.

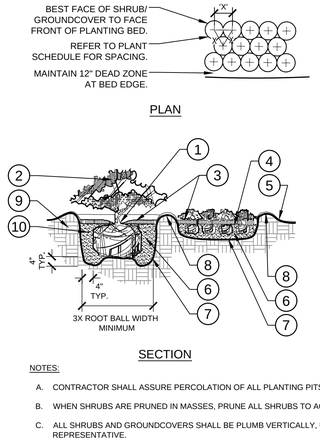
NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

2 L1.50 TREE PLANTING ON A SLOPE
SECTION / PLAN — NTS



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
3. 3" MULCH LAYER AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY OF PLANTING PIT SIDES AND BOTTOM.
8. 4" HIGH BERM FIRMLY COMPACTED.
9. UNDISTURBED NATIVE SOIL.
10. FERTILIZER TABLETS (MAX 3" DEEP)

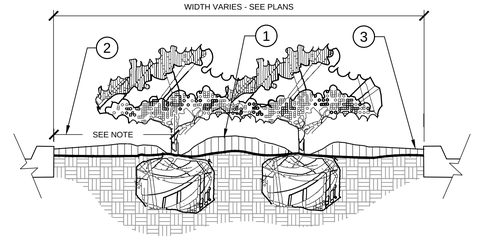
NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

3 L1.50 SHRUB/GROUNDCOVER PLANTING
SECTION / PLAN — NTS



1. CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
2. CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE SHALL CONTAIN 3" CONTINUOUS MULCH OR TURF, SEE PLANS.
3. 2" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH.

NOTES:

A. EXCAVATE A CONTINUOUS 24" DEEP PIT (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.

B. PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).

C. ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR LESS.

4 L1.50 PLANTED PARKING LOT ISLANDS/MEDIANS
SECTION — NTS

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. PRUNE SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE.
3. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE SHRUBS ARE PLACED IN MASSES, MULCH SHALL BE SPREAD IN A CONTINUOUS BED.
4. SOIL BERM TO HOLD WATER. TOP OF PLANTING PIT 'BERM' TO BE LEVEL ACROSS PIT. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER EXPOSED TOPSOIL.
5. FINISHED GRADE (SEE GRADING PLAN)
6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).
7. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
8. FERTILIZER TABLETS (MAX 3" DEEP).
9. UNDISTURBED NATIVE SOIL

NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

5 L1.50 SHRUB/GROUNDCOVER PLANTING ON A SLOPE
SECTION — NTS

NOTES:

1. CLEAR ZONE: 36" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.
2. INSTALL SPECIFIED MULCH: 24" MIN. FROM BUILDING. SPECIFIED MULCH TO BE INSTALLED AT A DEPTH OF 3" (MIN.)

6 L1.50 PLANTINGS ADJACENT TO BUILDINGS
SECTION — NTS

1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.
2. CURB / PARKING LOT EDGE.

7 L1.50 PARKING SPACE/CURB PLANTING
SECTION — NTS

1. FIRE HYDRANT.
2. NO PLANT EXCEEDING 12" MATURE HEIGHT MATERIAL SHALL BE PLACED WITHIN SHOWN RADIUS OF ALL PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.
3. FRONT OF HYDRANT (TOWARD CURB)

8 L1.50 SHRUB PLANTING AT FIRE HYDRANT
SECTION / PLAN — NTS

1. FINISH GRADE (SEE GRADING PLANS).
2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
3. FILTER CLOTH, MIRAFI 500X OR BETTER.
4. SLOPE BOTTOM TO DRAIN.
5. AUGURED HOLE Ø ±18" PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION.
6. BACKFILL WITH 1/2" - 3/4" GRAVEL TO REQUIRED DEPTH THROUGH OCCLUDING LAYER TO ASSURE PROPER PERCOLATION.
7. WATER TABLE. (DEPTH VARIES)
8. UNDISTURBED NATIVE SOIL.
9. SET ROOTBALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOT BALL IS 1" ABOVE FINISHED GRADE.

NOTES:

A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED. AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

9 L1.50 POOR DRAINAGE CONDITION
SECTION / PLAN — NTS

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

10 L1.50 TREE PROTECTION FENCING
ELEVATION / PLAN — NTS

1. 5 LAYERS OF BURLAP TO PROTECT TRUNK.
2. FIVE 2" X 4" X 18" WOOD BATTENS.
3. SECURE BATTENS WITH 2- 3/4" CARBON STEEL BANDS TO HOLD BATTENS IN PLACE. NO NAILS SHALL BE DRIVEN INTO PALM. HEIGHT OF BATTENS SHALL BE LOCATED IN RELATION TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING.
4. (3) 2"X4"X8' SUPPORTS. NAIL (DRILL AN NAIL IF NECESSARY) TO BATTENS AND 2" 4" STAKES. STAIN DARK BROWN.
5. 3" SPECIFIED MULCH
6. BERM SOIL TO HOLD WATER.
7. FINISH GRADE
8. 2X4X24" (MIN) P.T. WOOD STAKES (TYP.) NAIL TO SUPPORT POLES.
9. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).

NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

11 L1.50 PALM PLANTING
SECTION / PLAN — NTS

1. BASE OF TREE SHALL BE PLANTED SLIGHTLY ABOVE (1" MIN.) ADJACENT FINISH GRADE. REMOVE ALL TWINE & STRAPS & CUT BURLAP FROM TOP 1/3 OF ROOT BALL. NO SYNTHETIC BURLAP WILL BE ACCEPTED.
2. 4" SHREDDED HARDWOOD MULCH OR APPROVED EQUAL.
3. DIAMETER OF TREE PIT TO BE TWICE THE DIAMETER OF ROOT BALL-ROUGHEN SIDES OF TREE PIT.
4. 3" HIGH SOIL BERM TO HOLD WATER.
5. TOPSOIL MIX BACKFILL.
6. TREE WRAP.
7. 4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
8. ROOT BALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING ROOT BALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
9. UNDISTURBED SUBSOIL.
10. PREPARE PLANTING SOIL AS SPECIFIED.
11. **Tree Frog® RBK40pt** FOR UP TO 4" TREE CALIPER OR **Tree Frog® RBK60pt** FOR GREATER THAN 4" AND UP TO 6" TREE CALIPER. REFER TO SITEWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS.

NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. SET TREE AT ORIGINAL DEPTH. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT

E. ASSURE PERCOLATION OF ALL PLANTING PITS

12 L1.50 MULTI-TRUNK TREE PLANTING
SECTION/PLAN — NTS

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	S.JRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

LANDSCAPE DETAILS

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
L1.50

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF FDOT DESIGN STANDARDS, INDEX 600. IF A DIRECT APPLICATION OF INDEX 600 IS PROPOSED, THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF FDOT STANDARD INDEX 600 IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A FLORIDA PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY FDOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC.. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF THREE HUNDRED DOLLARS ($300) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

2. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS. INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.

c. SOIL AMENDMENT (IF NEEDED PER SOIL TESTING) THE CONTRACTOR SHALL FURNISH AND INSTALL A 3" LAYER OF AMENDED PLANTING SOIL IN ALL PLANTING BEDS, EXCLUDING SOD AREAS. THE AMENDED PLANTING SOIL SHALL BE COMPOSED OF 35% FERTICOMP 20% FLORIDA PEAT 45% SANDY LOAM. THE AMENDED PLANTING SOIL SHALL BE MIXED INTO THE BEDS UPON PLANTING.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING (SUBMIT SOIL TESTING RESULTS AFTER INCORPORATING AMENDMENTS TO DEMNSTRATE COMPLIANCE WITH SOIL QUALITY REQUIREMENTS .

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). MULCH SHALL BE "FLORIMULCH," EUCALYPTUS MULCH, OR SIMILAR SUSTAINABLY HARVESTED MULCH UNLESS SPECIFIED OTHERWISE.

2. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG= "ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.

12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC... SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

13. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

16. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

3. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

b. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

c. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

6. LAWN MAINTENANCE

a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

b. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

S. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

T. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PL

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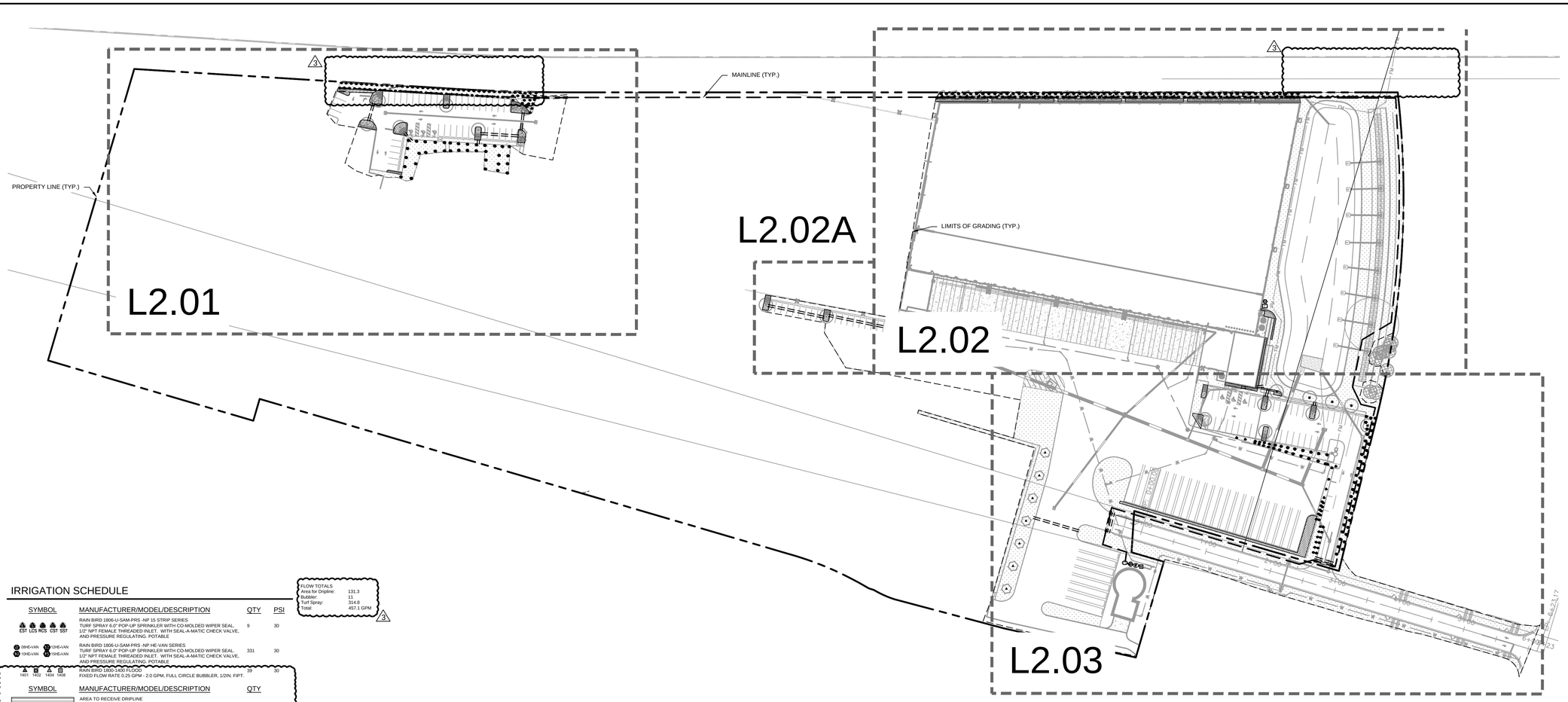

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
EST LCS RCS CST SST	RAIN BIRD 1806-U-SAM-PRS -NP 15 STRIP SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	9	30
09HE-VAN 10HE-VAN 12HE-VAN 15HE-VAN	RAIN BIRD 1806-U-SAM-PRS -NP HE-VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	331	30
1401 1402 1404 1406	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE 0.25 GPM - 2.0 GPM, FULL CIRCLE BUBBLER, 1/2IN. FIPT.	39	30

FLOW TOTALS
Area for Dripline: 131.3
Bubbler: 11
Turf Spray: 314.8
Total: 457.1 GPM

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-09-12-NP XFD ON-SURFACE PRESSURE COMPENSATING LANDSCAPE DRIPLINE, PIPE TO BE PURPLE IN COLOR. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART. WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	8,766 LF

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MCV	RAIN BIRD PESBR-PRS-D 2" 2IN., 2IN. DURABLE CHLORINE-RESISTANT MASTER VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY, PURPLE FLOW CONTROL HANDLE, AND PRESSURE REGULATOR MODULE.	1
BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXME2 W/ (3) ESPLXMSM12 48 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. (1) ESPLXME2 12-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (3) ESPLXMSM12 - 12-STATION EXPANSION MODULES.	1
RS	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	1
FS	RAIN BIRD FS-150-P 2" FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LX(VM)[*] LXD [LXME2(*)] ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	1
M	WATER METER 2"	1
	IRRIGATION MAINLINE: PVC SCHEDULE 40	2,795 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS	510.4 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - MAINLINE	112.7 LF

IRRIGATION NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, ETC. PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
3. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
4. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
5. THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
6. CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE WILL NOT ALLOW SYSTEM MODIFICATION TO BE POSSIBLE.
7. IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
8. WHERE APPLICABLE IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITH MINIMUM OVER SPRAY BEYOND LANDSCAPE AREAS.
9. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
10. ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES.
11. IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNER'S REPRESENTATIVE.
12. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
13. CONTRACTOR TO PROVIDE PERMANENT BENCH-MARKS ON ALL CURB LINES AT RELATED SLEEVE LOCATIONS (TYP).
14. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED TO MINIMIZE ROOT DISTURBANCE IN EXISTING TREES.
15. IRRIGATION SPRAYS AND ROTORS ARE NOT COMBINED ON THE SAME CONTROL VALVE CIRCUIT - LANDSCAPE BEDS AND TURF ON SEPARATE CIRCUITS.

NORTH

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4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

OVERALL IRRIGATION PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L2.00

Plotted By:Enot, Joshua Sheet Set:Cold Link CD Layout:L2.01 June 10, 2026 05:07:23pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Pinsheet\L2.00 — IRRIGATION PLAN.dwg
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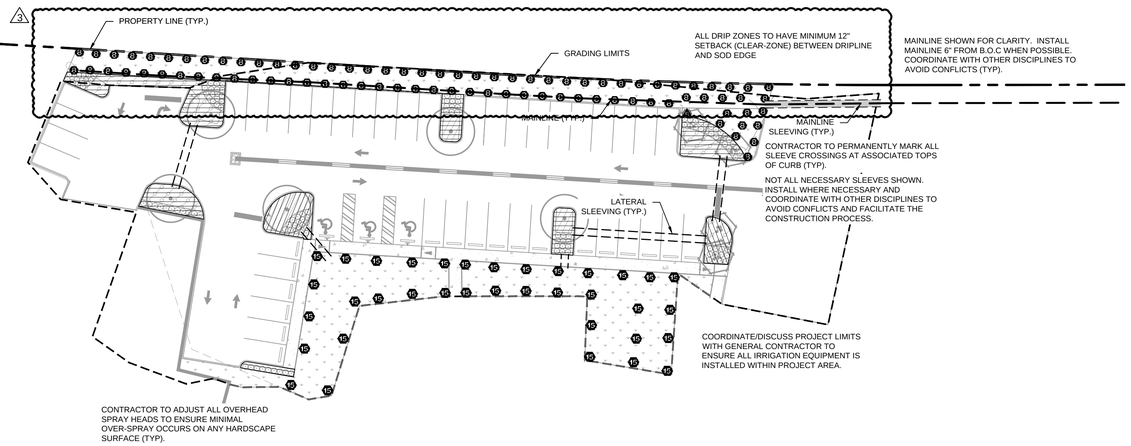

IRRIGATION SCHEDULE

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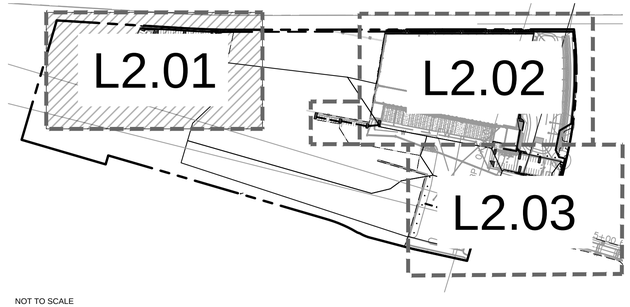

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION PLAN

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
L2.01

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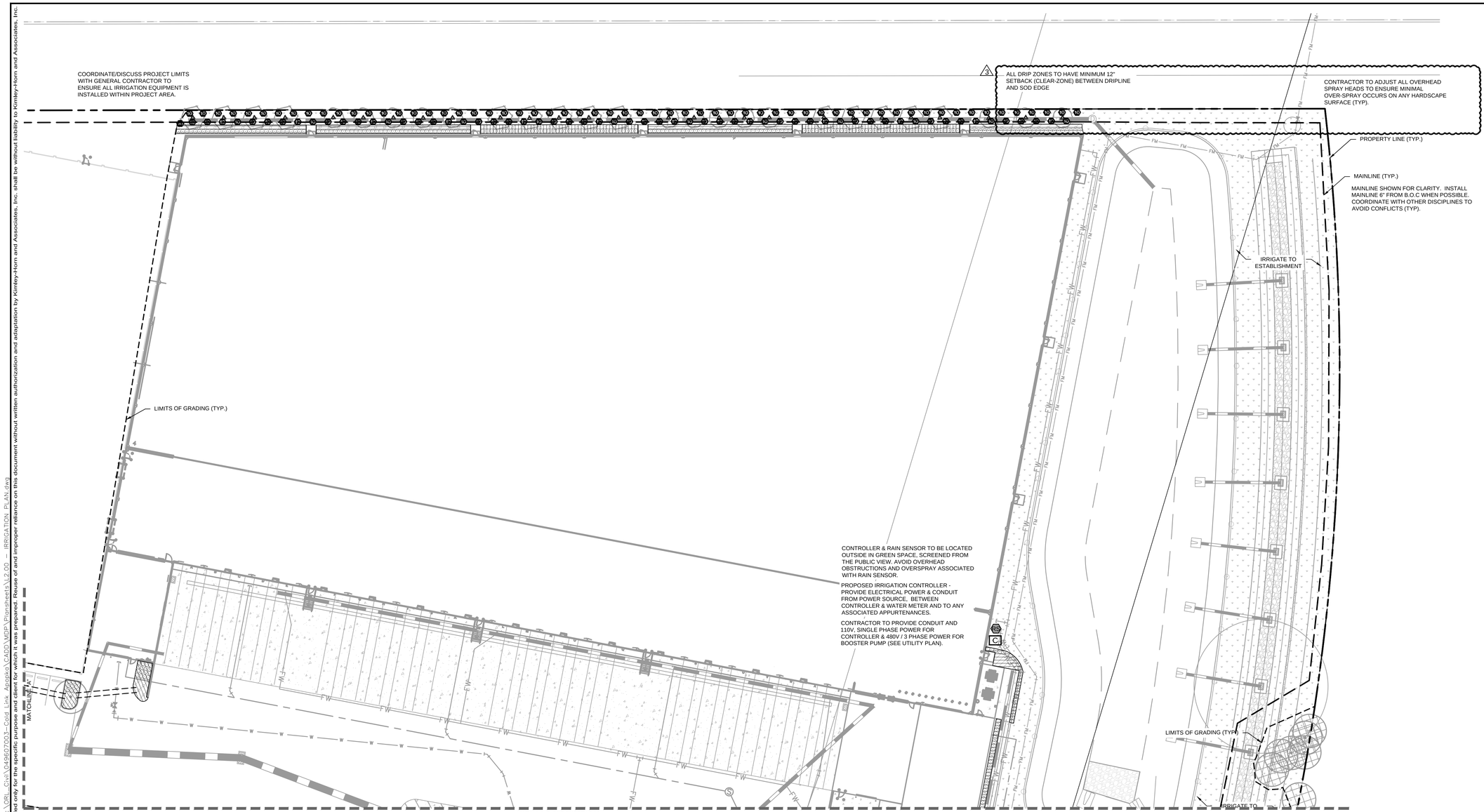

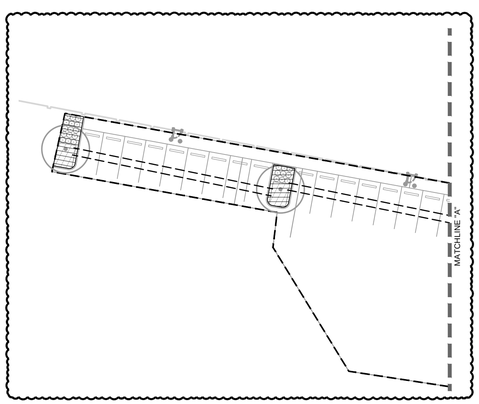

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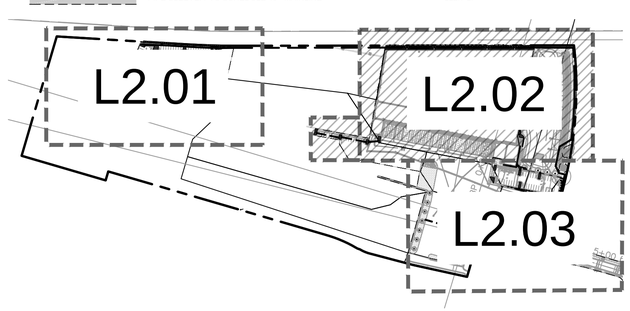

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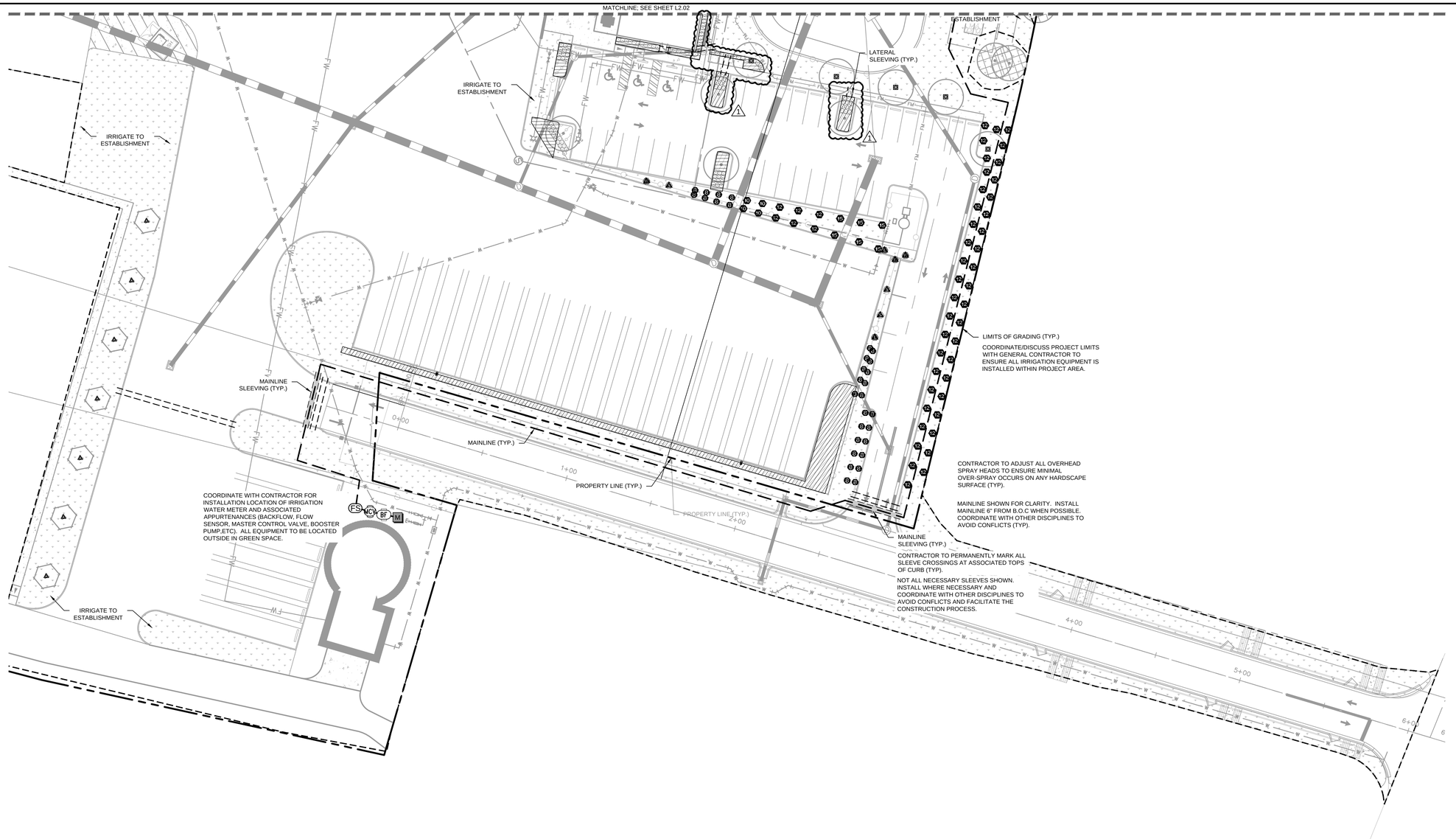
SHEET NUMBER
L2.02

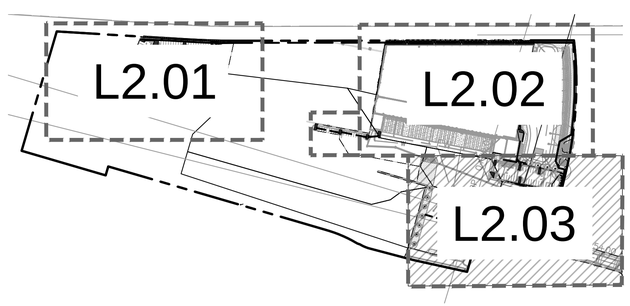


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
EST LCS RCS CST SST	RAIN BIRD 1806-U-SAM-PRS -NP 15 STRIP SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	9	30
08HE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	RAIN BIRD 1806-U-SAM-PRS -NP HE-VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	331	30
1401 1402 1404 1408	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE 0.25 GPM - 2.0 GPM, FULL CIRCLE BUBBLER, 1/2IN. FIPT.	39	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-09-12-NP XFD ON-SURFACE PRESSURE COMPENSATING LANDSCAPE DRIPLINE. PIPE TO BE PURPLE IN COLOR. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	8,766 LF

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MCV	RAIN BIRD PESBR-PRS-D 2" 2IN., 2IN. DURABLE CHLORINE-RESISTANT MASTER VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY, PURPLE FLOW CONTROL HANDLE, AND PRESSURE REGULATOR MODULE.	1
BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXME2 W/ (3) ESPLXMSM12 48 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. (1) ESPLXME2 12-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (3) ESPLXMSM12 - 12-STATION EXPANSION MODULES.	1
RSD	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	1
FS	RAIN BIRD FS-150-P 2" FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LXIVM(P) | LXD | LXME2(P) | MES, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	1
M	WATER METER 2"	1
	IRRIGATION MAINLINE: PVC SCHEDULE 40	2,795 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS	510.4 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - MAINLINE	112.7 LF



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3.	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2.	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1.	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L2.03

Plotted By:Erot Joshua Sheet Set:Cold Link CD Layout:L2.03 June 10, 2026 05:07:40pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Sheetset\L2.00 — IRRIGATION PLAN.dwg
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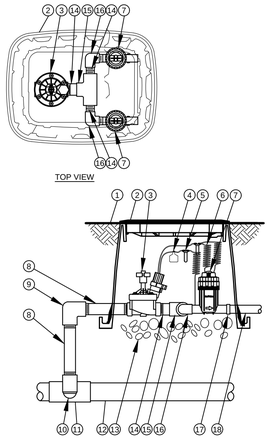
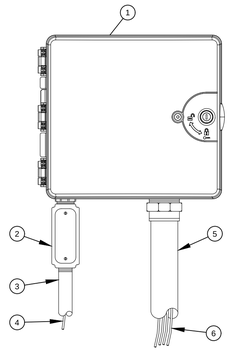


1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER:
3. REMOTE CONTROL VALVE:
4. ID TAG
5. WATERPROOF CONNECTION:
6. 30-INCH LINEAR LENGTH OF WIRE, COILED
7. PRESSURE REGULATING QUICK CHECK BASKET FILTER:
8. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
9. PVC SCH 40 ELL
10. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
11. PVC SCH 40 TEE OR ELL
12. MAINLINE PIPE
13. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
14. PVC SCH 80 NIPPLE, CLOSE
15. PVC SCH 40 TEE
16. PVC SCH 40 ELL
17. PVC SCH 40 FEMALE ADAPTOR
18. LATERAL PIPE

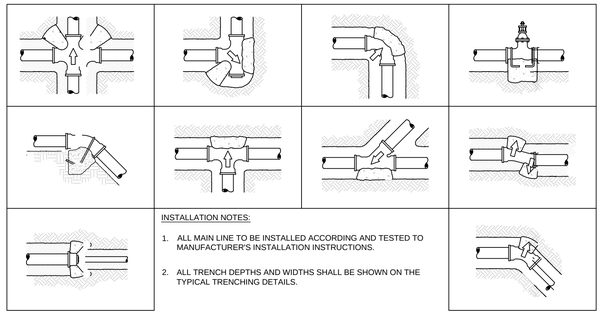
1 COMMERCIAL CONTROL DRIP ZONE VALVE KIT
L2.50 SECTION / PLAN — NTS



1. IRRIGATION CONTROLLER: CONTROLLER (OWNER TO SPECIFY WALL MOUNT OR STAINLESS STEEL PEDESTAL MOUNT). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. JUNCTION BOX
3. 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
4. POWER SUPPLY WIRE
5. 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
6. WIRES TO REMOTE CONTROL VALVES

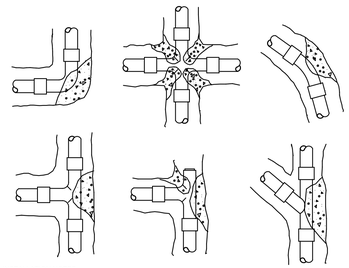
NOTES:
1. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
2. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

2 TYPICAL CONTROLLER
L2.50 ELEVATION — NTS



INSTALLATION NOTES:
1. ALL MAIN LINE TO BE INSTALLED ACCORDING AND TESTED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ALL TRENCH DEPTHS AND WIDTHS SHALL BE SHOWN ON THE TYPICAL TRENCHING DETAILS.

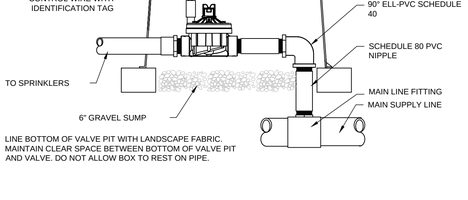
3 TYPICAL THRUST BLOCK
L2.50 SECTION — NTS



INSTALLATION NOTES
1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.
2. FOR 45°/90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.
3. FOR 22-1/2° FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.
4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED. THRUST

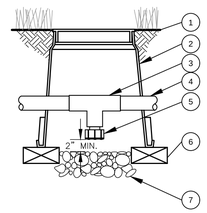
BLOCKS REQUIRED FOR IRRIGATION MAINLINE 2 1/2" AND LARGER.

4 THRUST BLOCK REINFORCEMENT
L2.50 SECTION — NTS



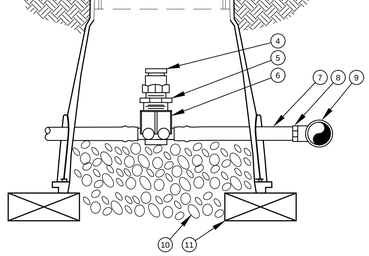
LINE BOTTOM OF VALVE PIT WITH LANDSCAPE FABRIC. MAINTAIN CLEAR SPACE BETWEEN BOTTOM OF VALVE PIT AND VALVE. DO NOT ALLOW BOX TO REST ON PIPE.

5 TYPICAL CONTROL VALVE
L2.50 SECTION — NTS



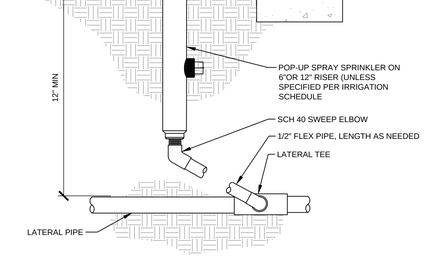
1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER:
3. PVC SCH 40 TEE
4. PVC LATERAL PIPE
5. FILTERED DRAIN VALVE:
6. BRICK (1 OF 2)
7. 6-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

6 DRAIN VALVE
L2.50 SECTION — NTS

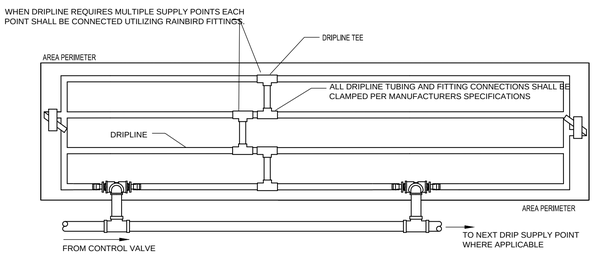


1. TURF GRASS
2. VALVE BOX LID
3. FINISH GRADE
4. ½" AIR RELIEF VALVE: TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
5. ½" X ¾" PVC REDUCER BUSHING
6. BARB X FEMALE THREAD CONNECTOR:
7. ½" BLANK DRIPLINE TUBING:
8. BARB X MALE THREAD CONNECTOR:
9. PVC TEE CONNECTED TO PVC HEADER PIPE
10. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL
11. BRICK (1 OF 2)

7 AIR RELIEF VALVE IN XFS DRIP LINE
L2.50 SECTION — NTS



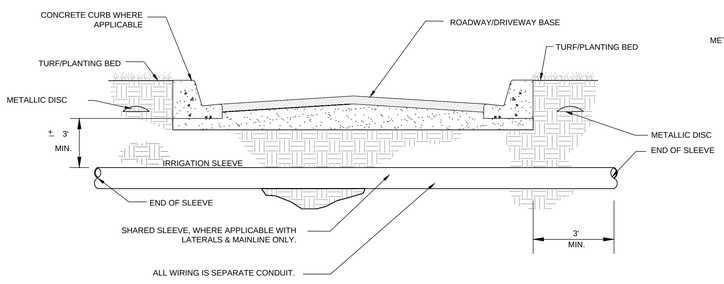
8 TYPICAL IRRIGATION HEAD
L2.50 SECTION — NTS



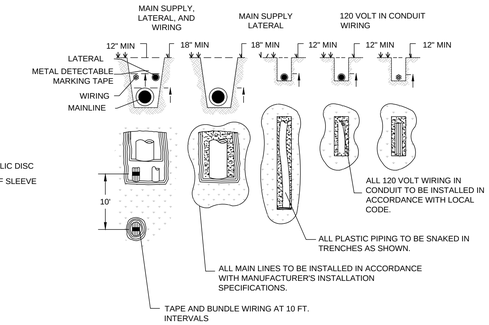
CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS. IF NOT SHOWN, INSTALL WITHIN ADJACENT GREEN AREA NOT IN A HIGHLY VISIBLE AREA.

NOTE:
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS (IF SHOWN).

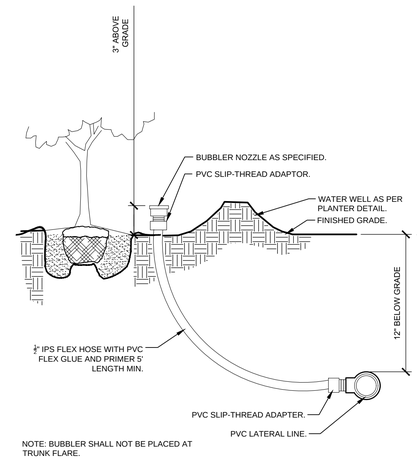
9 TYPICAL DRIP LINE
L2.50 PLAN — NTS



10 TYPICAL SLEEVING
L2.50 SECTION — NTS



11 TYPICAL TRENCHING
L2.50 SECTION / PLAN — NTS



NOTE: BUBBLER SHALL NOT BE PLACED AT TRUNK FLARE.

12 TYPICAL BUBBLER
L2.50 SECTION — NTS

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION DETAILS

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER L2.50

Plotted By: Eric.Joshua Sheet Set: Cold Link, CD Layout: L2.50 June 10, 2026 05:07:43pm K:\ORL_Civil\049607003-Cold Link, Apopka\CADD\MDP\Sheetset\L2.00 – IRRIGATION PLAN.dwg
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IRRIGATION SYSTEM NOTES:

1. THE IRRIGATION MAINLINE LAYOUT IS DIAGRAMMATIC. ANY CHANGES MADE IN THE IRRIGATION MAINLINE DUE TO FIELD CONDITIONS OR CONTRACTOR'S SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
2. SET SPRAY HEADS 6" AND ROTORS 12" IN FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
3. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL NECESSARY MODIFICATIONS REQUIRED TO MEET THE SCHEMATIC INTENT OF THESE PLANS PRIOR TO SUBMITTING PROPOSAL. THESE PLANS OUTLINE THE OVERALL LAYOUT THE SYSTEM AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ZONE THE SYSTEM ACCORDINGLY BASED ON FLOW AND PRESSURE AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FOLLOWING BUT NOT LIMITED TO AVAILABLE FLOW, AVAILABLE PRESSURE, CONNECTION ASSEMBLY, CAPACITY OF THE SYSTEM.
4. CONTRACTOR TO PROVIDE NEW AUTOMATIC CONTROLLER FOR PROPOSED SYSTEM (NO BATTERY OPERATED CONTROLLERS ALLOWED). COORDINATE LOCATION WITH OWNER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AUTOMATIC RAIN SENSOR. COORDINATE LOCATION W/ OWNER.
6. IRRIGATION SHALL NOT BE COMBINED ON A SINGLE ZONE AND SHALL BE ZONED ACCORDING TO IRRIGATION TYPE, PRECIPITATION RATE, AND THE SYSTEM'S AVAILABLE WATER / PRESSURE. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO INSTALLATION.
7. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.
8. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.
9. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.
10. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
11. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
12. PRODUCTS SHALL BE AS SPECIFIED OR APPROVED EQUAL.

PRE-APPROVED MANUFACTURERS:
1. TORO
2. HUNTER
3. RAINBIRD

13. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
14. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED WITHIN SCH. 40 PVC 2x SIZE OF PIPE AND FREE OF STONES/DEBRIS. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS.
15. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
16. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.
17. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
18. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SCH. 40 PVC SLEEVES. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
19. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
20. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
21. ELECTRIC SERVICE TO THE CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
22. ALL 24 VAC WIRING FROM DECODER TO VALVE SHALL BE OF DIRECT BURIAL COPPER WIRE. MAXIMUM LENGTH OF WIRE FROM DECODER TO VALVE SHALL NOT EXCEED 400 FEET. AS FOLLOWS:
    CONTROL WIRES - #14
    COMMON WIRES - #14
23. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:
    -RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).
24. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).
25. HEADS, LATERALS, EMITTERS, AND VALVES ARE NOT SHOWN, BUT ARE NECESSARY FOR A FULLY FUNCTIONING IRRIGATION SYSTEM.
26. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB.
27. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.
28. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE HIGH OR LOW POINT, MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 12" O.C. WITH 12" LINE SPACING AT A MINIMUM.
29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. IF REQUIRED, ALL WIRING FOR A TWO WIRE PATH SHALL BE WITH RED/BLUE TWISTED PAIR 14 AWG. ELECTRIC CONTROL LINES FROM THE DECODER TO THE SOLENOID VALVES SHALL BE TWISTED PAIR 18 AWG. ALL DECODERS SHALL BE GROUNDED EVERY 1,000 L.F. OR EVERY 10 DEVICES. ALL WIRE SHALL BE FURNISHED IN MINIMUM 2,500' REELS AND SPLICING SHALL BE MINIMIZED. BURY SPLICE KIT. ALL 24 VOLT WIRING SHALL BE DONE IN ACCORDANCE WITH EXISTING CODES. SPLICING SHALL BE IN VALVE BOXES OR CONTROLLERS ONLY. IRRIGATION SYSTEM CONTROL SHALL BE TWO WIRE PATH. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S REQUIREMENTS FOR THIS INSTALLATION. TWO WIRE SYSTEM SHALL HAVE 2-WAY COMMUNICATIONS FIELD PROGRAMMABILITY, STATION SPECIFICATIONS AND INTEGRATED SURGE PROTECTION.
30. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1 $\frac{1}{2}$" ELECTRICAL CONDUIT.
31. SMALLEST DIAMETER LATERAL PIPE SHALL BE 3/4".
32. IRRIGATION SYSTEM SHALL BE CAPABLE OF SUPPLYING AN AVERAGE OF 1.05" OF WATER PER WEEK WITHIN WATERING RESTRICTIONS AS APPLICABLE.
33. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING, OR PRESERVED PLANT COMMUNITIES. DO NOT TRENCH THROUGH EXISTING ROOT SYSTEMS OF ANY VEGETATION INTENDED TO BE PRESERVED.
34. CONTRACTOR TO MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
35. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THE CONDITION DENOTED ON THE LANDSCAPE PLAN.
36. IRRIGATION PIPING INSTALLED UNDER ROADS AND SIDEWALKS SHALL BE IN SCHEDULE 40 PVC SLEEVING AT 2X THE PIPE SIZE. ALL SLEEVING SHALL BE FREE OF STONES AND DEBRIS.
37. IRRIGATION SOURCE TO BE EITHER WELL, POTABLE, OR NON-POTABLE WATER. IRRIGATION CONTRACTOR TO VERIFY SOURCE PRIOR TO DESIGN.
38. POINT OF CONNECTION TO BE DETERMINED BY OWNER. IRRIGATION SYSTEM CONNECTIONS TO THE LOCAL JURISDICTION SERVICE SHALL COMPLY WITH ALL APPLICABLE CODES.
39. IRRIGATION CONNECTION MAY REQUIRE BACKFLOW PREVENTION, VERIFY WITH LOCAL JURISDICTION.
40. IRRIGATION SYSTEM SHALL COMPLY WITH THE LOCAL JURISDICTION LAND DEVELOPMENT CODE.

1 / L2.51 TYPICAL SCHEMATIC IRRIGATION NOTES

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION NOTES

APOPKA COLD STORAGE
FLORIDA
APOPKA

SHEET NUMBER
L2.51

Plan View
Scale: 1" = 50ft

Schedule										
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	A4-3--90		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1636.989	Max: 41060cd
	A4-2--90		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1091.326	Max: 41060cd
	A4-2--180		2	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1091.326	Max: 41060cd
	A4-1		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	545.6631	Max: 41060cd
	A2-1		0	Lithonia Lighting	RSX4 LED P6 50K R2	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R2 Distribution	1	68812	1	545.6631	Max: 39453cd
	B4-1		3	Lithonia Lighting	RSX2 LED P2 50K R4	RSX Area Fixture Size 2 P2 Lumen Package 5000K CCT Type R4 Distribution	1	17427	1	114.07	Max: 10278cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
nw parking	+	1.6 fc	5.5 fc	0.0 fc	N/A	N/A
truck dock parking	+	3.0 fc	20.9 fc	0.0 fc	N/A	N/A
at property line	+	0.8 fc	8.0 fc	0.0 fc	N/A	N/A

Designer
Date
11/24/2025
Scale
Not to Scale
Drawing No.
Summary

1 of 1

No.	REVISIONS	DATE	BY
4	APOPKA MDP PLANNING COMMENTS	06/09/2026	IRC
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
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KHA PROJECT 049607003
DATE 6/10/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

PHOTOMETRIC PLAN

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER P1.0

Plotted By:Erod, Joshua Sheet Set:Cold Link CD Layout:P1.0 PHOTOMETRIC PLAN June 10, 2026 05:08:32pm K:\ORL_Civil\049607003-Cold Link Apopka\CADD\MDP\Plansheets\P1.0 - PHOTOMETRIC PLAN.dwg
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City of Apopka
CITY COUNCIL STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 3.
Meeting Date: March 4, 2026
Department: Community Development

SUBJECT:
Cold Link Apopka - Major Development Plan

ACTION ITEM INFORMATION:
Owner(s): MG88 Central Florida Cold Storage II LLC
Applicant(s): Joshua Enot
Location: 2560 W. Orange Blossom Trail
Project: New 147,624 SF Building
Density: 0.6 Maximum FAR
Project Manager: Amer Hamza

REQUEST:
Approve the Cold Link Apopka - Major Development Plan.

SUMMARY:
Owner(s): MG88 Central Florida Cold Storage II LLC
Applicant(s): Joshua Enot
Parcel Identification Number(s): 06-21-28-7172-02-011
Location: 2560 W. Orange Blossom Trail
Tract: 27.63 +/- acre(s)
Project: New 147,624 SF Building
Density/Intensity: 0.6 Maximum FAR
Project Manager: Amer Hamza

Direction	Future Land Use	Zoning	Present Use
North	Commercial, County Commercial	I-L (Light Industrial District), County C-3 (Wholesale Commercial District)	Car Dealership, Vacant Land
East	Industrial	I-L (Light Industrial District)	Warehouse
South	Industrial	I-L (Light Industrial District)	Warehouse
West	Industrial	I-L (Light Industrial District)	Warehouse

PROJECT SUMMARY:
The subject property has a total area of around 27.63 acres. It has a Future Land Use of Industrial which allows a maximum of 0.6 FAR and has a zoning of I-L (Light Industrial District). The Cold Link Apopka - Major Development Plan details a plan for a new warehouse building onto an existing warehouse facility. The plan details the total square footage of the new building at a total of 147,624 SF. The I-L (Light Industrial) zoning district requires an open space area of 5%, equivalent to 0.59 acres. The applicant proposes 1.87 acres of open space which includes a landscape area. The I-L (Light Industrial District) allows up to a maximum height of 45’ but the proposed building will have a total height of 56’ 9” which is permitted through a height variance that was approved by the Planning Commission on June 10, 2025. Access to the site is proposed to from Mayflower Avenue to the south of the site. The Mayflower Avenue right-of-way will be improved to city standards. In regards to parking and loading areas, the

applicant proposes the following in comparison to the minimum requirement:

Parking Type	Parking Required	Parking Proposed
Regular Spaces	51	53
ADA Accessible Spaces	3	3
Total Parking	54	56
Loading Berth	14	21
Semi Truck Spaces	0	31

The landscape plan shows a variety of trees being proposed in the project area such as Crape Myrtle, Japanese Privet, and Southern Live Oak trees. There will also be foundation plantings alongside the primary façade and plantings alongside the parking lot as required by LDC Section 5.2.5.A and LDC Section 5.2.5.B.1.C.

The Development Review Committee finds that the applicant demonstrates there is competent substantial evidence in the record that all of the following standards are met:
a. The proposed development and use(s) in the development plan comply with Article 3: Zoning Districts, and Article 4: Use Regulations;
b. The development proposed in the development plan and its general layout and design comply with all the standards in Article 5: Development Standards, and Article 6: Environmental Standards;
c. The development proposed in the development plan complies with all conditions of approval in any development approval or permit to which the plan is subject;
d. The development proposed in the development plan complies with all other applicable standards in this LDC and all other City regulations.

ORANGE COUNTY NOTIFICATION:
Orange County was notified at the time of the site plan submittal for this property through the DRC agenda distribution.

PUBLIC HEARING SCHEDULE:
February 10, 2026 – Planning Commission (5:30 P.M.)
March 4, 2026 – City Council (1:30 P.M.)

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
Development Review Committee:
Finds the proposed Cold Link Apopka – Major Development Plan consistent with the Comprehensive Plan and Land Development Code, and recommends approval of the Major Development Plan, based on the findings and facts presented in the staff report and exhibits.

Planning Commission:
At the February 10, 2026 meeting, the Planning Commission unanimously recommended approval of the Cold Link Apopka - Major Development Plan.

Recommended Motion - City Council:
Approve the Cold Link Apopka - Major Development Plan.

ATTACHMENTS:
1. Cold Link Apopka MDP
2. Map Series

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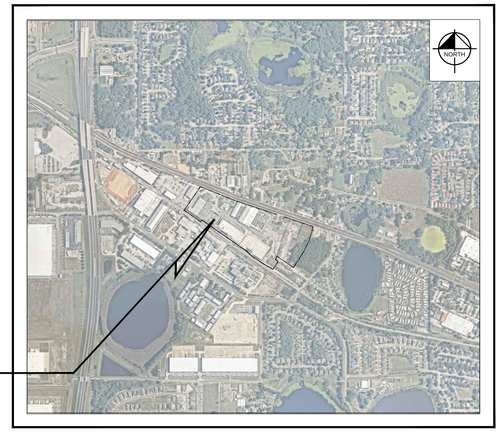
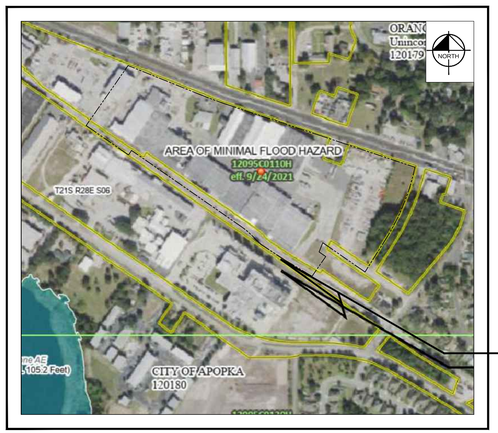
Drawing name: K:\orl_civil\049607003-cold link apopka\CADD\MDP\plansheets\C0.0 COVER.dwg C0.0 COVER SHEET Jan 15, 2026 1:04pm by: Jeremiah Martinez



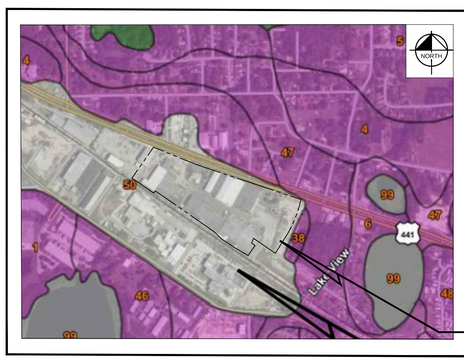
AERIAL PHOTOGRAPH
N.T.S.

LEGAL DESCRIPTION:

A PORTION OF SECTION 06, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.
LOTS 4 AND 6 OF BLOCK "I", OF PLYMOUTH DELLS, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGE 102, PUBLIC RECORDS OF ORANGE COUNTY FLORIDA. ALSO: THAT PART OF LOT 37, ADJACENT TO AND LYING DIRECTLY SOUTH OF SAID LOTS 5 AND 6 AND BEING A TRACT OF APPROXIMATELY 50 FEET SQUARE, MORE OR LESS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGE 102, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
LOTS 7, 8, AND 9, THE EAST 25 FEET OF LOT 17, AND THE WEST 50 FEET OF LOT 37, BLOCK 1, PLYMOUTH DELLS, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK "O", PAGES 102 AND 103 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, LESS ROAD RIGHT OF WAY.



FEMA MAP
N.T.S.



SOILS MAP
N.T.S.
50 - Urban Land

1

MAJOR DEVELOPMENT PLAN

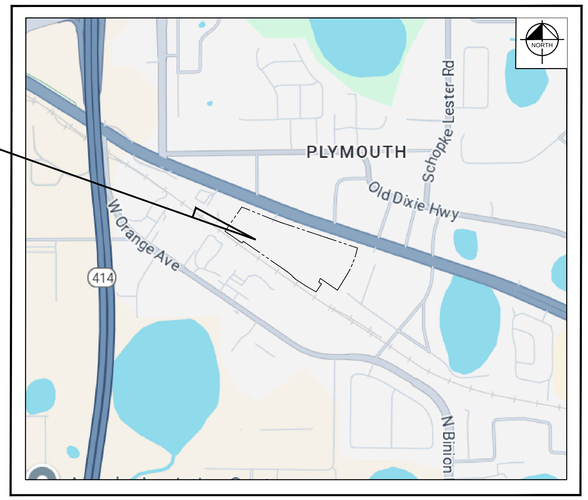
FOR

APOPKA COLD STORAGE

PARCEL #'s:
06-21-28-7172-02-011
06-21-28-7180-09-070
06-21-28-7180-09-050

ORANGE COUNTY, FLORIDA

DATE: 12/02/2025



LOCATION MAP
N.T.S.

PROJECT TEAM

OWNER/DEVELOPER
MG88 CENTRAL FLORIDA
COLD STORAGE II, LLC
4000 HOLLYWOOD BOULEVARD,
SUITE 650-N
HOLLYWOOD, FL 33021

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
CONTACT: JOSHUA ENOT
PHONE: 321-754-0413
EMAIL: JOSHUA.ENOT@KIMLEY-HORN.COM

SURVEYOR:
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
6500 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810-4350
CONTACT: JAMES E. MAZURAK, P.S.M.
PHONE: (407) 292-8580

UTILITY PROVIDERS

WATER, SEWER, AND RECLAIMED WATER :
CITY OF APOPKA
COMMUNITY DEVELOPMENT DEPARTMENT
120 E. MAIN STREET, 2ND FLOOR
APOPKA, FLORIDA 32703
PHONE: (407) 703-1712

ELECTRIC :
DUKE ENERGY
2001 OLD SCENIC HWY
LAKE WALES, FL 33853

PREPARED BY
Kimley»Horn

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200 S Orange Ave, Suite 600, Orlando, FL 32801
Phone: (407) 898-1511
WWW.KIMLEY-HORN.COM Registry No. 35106

JOSHUA M. ENOT, P.E.
93160

JOSHUA M. ENOT LICENSE No. 93160 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Joshua Enot
DN: cn=Joshua Enot, o=Kimley-Horn and Associates, OU=Joshua Enot, CN=Kimley-Horn and Associates, OU=E14.01^^^^0762c5A6, c=Joshua
Date: 2025.12.15 14:21:56 -05'00'

Sheet List Table	
Sheet Number	Sheet Title
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C1.0	GENERAL NOTES
C2.0	SWPPP
C3.0	EROSION CONTROL DETAILS
C4.0	EXISTING CONDITIONS AND DEMO PLAN
C4.1	DETAILED EXISTING CONDTIONS AND DEMO PLAN
C4.2	DETAILED EXISTING CONDTIONS AND DEMO PLAN
C5.0	OVERALL SITE PLAN
C5.1	DETAILED SITE PLAN
C5.2	DETAILED SITE PLAN
C5.3	US HWY 441 – LEFT TURN LANE
3 C5.4	OPEN SPACE PLAN
C6.0	OVERALL GRADING AND DRAINAGE
C6.1	DETAILED GRADING AND DRAINAGE
C6.2	DETAILED GRADING AND DRAINAGE
C7.0	OVERALL UTILITY PLAN
C7.1	DETAILED UTILITY PLAN
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C8.0	GENERAL CONSTRUCTION DETAILS
C8.1	GENERAL CONSTRUCTION DETAILS
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C8.4	CIVIL STANDARD DETAILS
C8.5	CIVIL STANDARD DETAILS
C8.6	MOT DETAILS
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C9.0	WB-67 TRUCK ROUTING
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C10.0	MAYFLOWER AVENUE IMPROVEMENTS
L0.50	OVERALL TREE MITIGATION
L0.51	DETAIL TREE MITIGATION PLAN
L0.52	DETAIL TREE MITIGATION PLAN
L0.53	TREE MITIGATION CANOPY COVER
L0.54	TREE MITIGATION NOTES AND DETAILS
L1.00	OVERALL LANDSCAPE PLAN
L1.01	LANDSCAPE PLAN
L1.02	LANDSCAPE PLAN
L1.03	LANDSCAPE PLAN
L1.50	LANDSCAPE DETAILS
L1.51	LANDSCAPE NOTES
L2.00	OVERALL IRRIGATION PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.50	IRRIGATION DETAILS
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P1.0	PHOTOMETRIC PLAN

No.	REVISIONS	DATE	BY
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

SHEET NUMBER
C0.0

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GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISTRIBUTION SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL OTHER UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. CONTRACTOR SHALL CALL "SUNSHINE ONE" AT 811 TO HAVE EXISTING UTILITIES LOCATED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
2. THE LOCATIONS OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR SHALL HALT CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.
3. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS AND STORM DRAINAGE SYSTEMS, ON AND / OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY.
4. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, SUCH AS RIGHT OF WAY PERMIT(S), EXCAVATION/FILL PERMIT(S), FIRE PROTECTION PERMIT(S), OR UNDERGROUND UTILITY PERMIT(S), PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA OF APPLICABLE AGENCIES, SCHEDULING OF INSPECTIONS, AND OBTAINING REQUIRED INSPECTIONS FROM AGENCY.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR REVIEW. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.) ARE TO BE INSTALLED WITHIN 5' OF BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS.
9. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN R-O-W UTILIZATION PERMIT (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITIES. THIS PERMIT MUST BE OBTAINED BY A DULY LICENSED PLUMBING CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO THE START OF CONSTRUCTION. THESE PLANS AND ANY SUBSEQUENT REVISIONS TO THESE PLANS, THAT ARE ISSUED BY THE ENGINEER, WILL BE SUBJECT TO THE APPROVAL CONDITIONS OF THIS PERMIT.
11. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND/OR REVISIONS, INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES.
12. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION.
13. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.
14. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE HIS/HER ACTIVITIES ACCORDINGLY.
15. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
16. ALL SIGNAGE MUST COMPLY WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
17. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING ACTIVITIES NECESSARY TO PERFORM THE WORK WITHIN THESE PLANS.
18. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
19. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD RESTRICTIONS IN HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
20. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A A LICENSED LAND SURVEYOR CURRENTLY REGISTERED IN THE STATE OF FLORIDA.
21. CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUT MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
22. ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2023-24 EDITIONS OF FDOT STANDARD PLANS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2017 UTILITY ACCOMMODATION MANUAL.

TREES AND VEGETATION

1. THE CONTRACTOR IS TO MINIMIZE THE REMOVAL OF VEGETATION TO THE GREATEST EXTENT PRACTICAL. SEE DEMOLITION PLAN FOR TREES TO BE REMOVED. TREES IN CLOSE PROXIMITY TO CONSTRUCTION SHALL BE PROTECTED BY WOOD FENCING PER DETAIL ON SHEET C2.1.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

DEMOLITION

1. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
2. EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS.
3. CONTRACTOR SHALL CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN".
5. CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
6. CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
7. CONTRACTOR SHALL DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED".
8. CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.

STORM DRAINAGE SYSTEM

1. STANDARD INDEXES REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS."
2. THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" IS REFERRED TO FOR THE STRUCTURAL DESIGN OF DRAINAGE STRUCTURES SPECIFIED IN THESE PLANS, AS REFERENCED BY STANDARD INDEX. ALL SPECIALTY DRAINAGE STRUCTURES REQUIRE SEPARATE STRUCTURAL DESIGN, WHICH IS NOT INCLUDED IN THESE PLANS. STATION OFFSETS ARE TO THE CENTERLINE OF THE STRUCTURE TOP (I.E. DITCH BOTTOM INLET OR CURB INLET TOP), AS OPPOSED TO THE STRUCTURE BASE.
3. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (ASTM C-76) UNLESS OTHERWISE NOTED ON PLANS. ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED ON PLANS.
4. PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAINAGE STRUCTURES, WITH THE EXCEPTION OF MITERED END AND FLARED END SECTIONS. LENGTHS OF PIPE SHOWN WHICH TERMINATE WITH MITERED END OR FLARED END SECTIONS ARE MEASURED TO THE DOWNSTREAM INVERT OF THE MITERED END OR FLARED END SECTION.
5. ALL DRAINAGE STRUCTURE GRATES AND COVERS, EITHER EXISTING OR PROPOSED SHALL BE TRAFFIC RATED FOR H-20 LOADINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY UPGRADES TO EXISTING DRAINAGE STRUCTURES.
6. CONSTRUCTION OF THE STORMWATER MANAGEMENT SYSTEM MUST BE COMPLETE AND ALL DISTURBED AREAS STABILIZED IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS PRIOR TO ANY OF THE FOLLOWING: ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY; INITIATION OF INTENDED USE OF THE INFRASTRUCTURE; OR TRANSFER OF RESPONSIBILITY FOR MAINTENANCE OF THE SYSTEM TO A LOCAL GOVERNMENT OR OTHER RESPONSIBLE ENTITY.
7. STORM WATER PIPES, STRUCTURES, MINIMUM COVER, AND INSTALLATION PROCEDURES TO BE IN ACCORDANCE WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
8. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.

DRAINAGE SYSTEM TESTING AND INSPECTION

1. THE STORM DRAINAGE PIPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION.
2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNER'S ENGINEER PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS AT THE CONTRACTORS EXPENSE AND PRIOR TO FINAL ACCEPTANCE.

SAFETY

1. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.
2. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL PROVIDE FOR THE SAFETY AND CONTROL OF LOCAL TRAFFIC DURING CONSTRUCTION. ADDITIONAL INFORMATION MAY BE REQUIRED IF LANE CLOSURE DURATIONS ARE LONGER THAN DAYTIME OPERATIONS.

EARTHWORK / GRADING / DEMUCKING PROCEDURES

1. A GEOTECHNICAL ENGINEERING INVESTIGATION REPORT HAS BEEN PREPARED BY TERRACON FOR PURPOSES OF STORM WATER DESIGN, OF WHICH COPIES ARE AVAILABLE THROUGH THE OWNER OR THEIR SOIL TESTING COMPANY. A GEOTECHNICAL ENGINEER SHALL BE RETAINED BY THE CONTRACTOR TO PROVIDE ON-SITE INSPECTIONS DURING EXCAVATION/FILL OPERATIONS AND TESTING OF THE COMPACTED FILL SO THAT PROPER DOCUMENTATION OF THE REQUIRED COMPACTING CRITERIA CAN BE PROVIDED.
2. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS IN A LEGAL MANNER.
3. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION CHANGES. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
4. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED AND REPLACED WITH SUITABLE/COMPACTED SOILS, AS DIRECTED BY THE OWNER OR THEIR SOILS TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
6. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOILS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS.
7. THE CONTRACTOR SHALL INSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR PLACEMENT OF ALL HEADWALL/ENDWALL FOOTINGS, RETAINING WALL FOOTINGS, AND IN GENERAL, ANY FOOTING SUPPORT DESCRIBED ON THESE PLANS. IT WILL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SUFFICIENT SOILS TESTING HAS BEEN PERFORMED PRIOR TO FINAL INSTALLATION OF IMPROVEMENTS.
8. ANY UNSUITABLE ORGANIC SOIL SHALL BE EXCAVATED TO A MINIMUM MARGIN OF 6 FEET BEYOND ITS PERIPHERY EXCAVATED TO EXPOSE THE UNDERLYING NON-ORGANIC FINE SAND.
9. IF DETERMINED NECESSARY, DEWATERING DURING EXCAVATING/BACKFILLING OPERATIONS MAY BE ACCOMPLISHED BY DITCHING AND THE USE OF SUMP PUMPS AND/OR OTHER METHODS (WELL POINTS), AS NECESSARY. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR DEWATERING ACTIVITIES THAT MAY BE REQUIRED.
10. UPON APPROVAL OF THE GEOTECHNICAL ENGINEER, THE EXCAVATED AREAS MAY BE BACKFILLED WITH CLEAN FINE SAND FREE OF UNSUITABLE OR DELETERIOUS MATERIAL. HOWEVER, THE FILL SHOULD NOT BE PLACED IN MORE THAN 6 INCHES OF STANDING WATER. ONCE THE FILL IS AT LEAST 2 FEET ABOVE THE DEWATERED LEVEL, BACKFILLING MAY PROCEED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

PAVING, GRADING AND DRAINAGE

1. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
4. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL F.D.O.T. TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS.
5. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE SOILS ENGINEER FOR APPROVAL.
6. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (STRUCTURES, OTHER POURED)
7. ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH F.D.O.T. DESIGN STANDARDS.
8. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.
9. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
10. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES.
11. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR AT CONTRACTORS EXPENSE.
12. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
13. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND JURISDICTIONAL PERMITTING AGENCIES.
14. ALL WORK SHALL COMPLY WITH THE GEOTECHNICAL REPORT BY TERRACON.
15. CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITH BAHIA UNLESS OTHERWISE NOTED.

PAVING/GRADING TESTING AND INSPECTION

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE SOILS REPORT. UPON COMPLETION OF WORK THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
2. A QUALIFIED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS AND GEOTECHNICAL REPORT, THE VARIOUS AGENCIES AND PERMIT CONDITIONS. SHOULD ANY RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THESE REQUIREMENTS, THE CONTRACTOR WILL BEAR ALL COSTS OF SAID RETESTING.

PAVEMENT MARKING AND SIGNAGE

1. THE INSTALLATION, SHAPE, AND SIZE OF ALL SIGNS AND THEIR LETTERING SHALL COMPLY WITH THE LATEST EDITIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE F.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM". WHERE CONFLICTS EXIST BETWEEN THE PLANS AND THE ABOVE MENTIONED SPECIFICATIONS, THE MORE STRINGENT CRITERIA SHALL PREVAIL.

TEST, INSPECTION AND CLOSEOUT REQUIREMENTS

1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH A TELEVISED INSPECTION (TV) OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. TV INSPECTION SHALL BE IN ACCORDANCE TO THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL. THE CONTRACTOR SHALL PROVIDE COPIES OF THE TV INSPECTION TAPE TO THE ENGINEER, THE OWNER AND THE APPLICABLE MUNICIPALITY/AGENCY.
2. THE CONTRACTOR SHALL PERFORM LEAKAGE TESTS ON ALL GRAVITY SEWERS PER THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
3. AN AS-BUILT SURVEY SHALL BE PREPARED IN ACCORDANCE WITH CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE (F.A.C.), PURSAUNT TO CHAPTER 472, FLORIDA STATUTES (F.S.) SHALL BE REQUIRED.
4. THE CONTRACTOR SHALL PROVIDE UTILITY AS-BUILT AND GRADING/DRAINAGE AS-BUILT RECORD DRAWINGS BASED ON THE CIVIL DESIGN PLAN SHEETS. ALL AS-BUILTS SHALL BE OVERLAID ON THE CIVIL DESIGN PLANS WITH THE DESIGN SHADED BACK AND THE AS-BUILT BOLD. THE AS-BUILTS SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
5. THE UTILITY AS-BUILT SHALL INCLUDE ALL SANITARY SEWERS AND FORCE MAIN SYSTEMS, POTABLE AND RECLAIMED WATER MAIN SYSTEMS, METERS, VALVES, FORCE MAINS, GAS MAINS, AND IRRIGATION LINES (2-INCH AND LARGER). CONTRACTOR TO PROVIDE ALL UTILITY CROSSING INFORMATION ON THE AS-BUILT. THE UTILITY AS-BUILTS SHALL IDENTIFY ALL WATER MAIN CROSSINGS WITH STORM AND SANITARY LINES INDICATING TOP OF PIPE AND INVERTS OF THE ABOVE CROSSING PIPE ALONG WITH CLEARANCE DIMENSIONS. THIS SHALL ALSO BE DONE FOR SANITARY/STORM CROSSINGS. ALL TEMPORARY SAMPLE POINT NUMBER (TSP#) LOCATIONS SHALL ALSO BE NOTED ON THE AS-BUILT. CONTRACTOR TO ALSO PROVIDE AN AS-BUILT ASSET TABLE IDENTIFYING SIZE OF PIPE OR FITTING AS WELL AS DEPTH TO TOP OF PIPE AND NORTHING AND EASTING OF EACH FITTING/VALVE, ETC. AS-BUILT DRAWINGS SHALL PROVIDE GPS COORDINATES FOR SANITARY STRUCTURES.
6. THE GRADING/DRAINAGE AS-BUILT SHALL INCLUDE ALL CONSTRUCTED IMPROVEMENTS THAT HAVE LOCATION AND/OR ELEVATION INFORMATION CALLED-OUT ON THE PLANS. THE AS-BUILT SHALL CLEARLY PROVIDE THE SAME INFORMATION IDENTIFIED ON THE DESIGN DOCUMENTS AND ALSO THE CONSTRUCTED LOCATIONS AND ELEVATIONS AS-BUILT INFORMATION.
7. THE CONTRACTOR SHALL PROVIDE A SIGNED AND SEALED LETTER FROM THE INDEPENDENT TESTING AGENCY THAT STATES CONFORMANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS FOR COMPACTION TESTING. THE CONTRACTOR IS TO PROMPTLY NOTIFY THE OWNER AND ENGINEER OF RECORD WHEN ANY TESTING OR INSPECTIONS ARE DEFICIENT OR IRREGULAR.

No.	REVISIONS	DATE	BY
1	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
3	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

Kimley»Horn
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KHA PROJECT	049607003
DATE	12/02/2025
SCALE	AS SHOWN
DESIGNED BY	DVS
DRAWN BY	JAM
CHECKED BY	JME

GENERAL NOTES

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
C1.0

STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

APOPKA COLD STORAGE
*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

OWNER:
COLD LINK LOGISTICS, LLC

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF A PROPOSED COLD STORAGE FACILITY EXPANSION LOCATED IN THE SOUTHEAST CORNER OF ORANGE BLOSSOM TRAIL AND LAKE VIEW DRIVE WITHIN THE CITY OF APOPKA. THE PROJECT CONTAINS 3 PARCELS WITH PARCEL NUMBER 06-21-28-7172-02-011, 06-21-28-7180-09-070, AND 06-21-28-7180-09-050. THE PROJECT IS APPROXIMATELY +/- 27.69 ACRES AND CURRENTLY HAS ROUGHLY FOUR EXISTING BUILDINGS INDUSTRIAL BUILDING WITH LOADING DOCKS AND PARKING STALLS. THE SITE ALSO HAS TWO EXISTING HOUSES BETWEEN THE EXISTING INDUSTRIAL BUILDING AND EXISTING TRUCK PARKING LOT AREA AND WILL PROPOSE THOSE TWO PARCELS TO BE REZONED ONCE ANNEXED INTO CITY OF APOPKA. ONCE REZONED, THE DEVELOPMENT CONSISTS OF THE RENOVATION OF ONE OF THE EXISTING BUILDINGS, A PROPOSED PUMP BUILDING, AN ADDITIONAL COLD STORAGE FACILITY WITH A LOADING DOCK DOOR AND AN ASSOCIATED PARKING LOT AND STRIPING.

PROJECT AREA: 27.69 ACRES

CONTRIBUTING DRAINAGE AREA: 25.90 ACRES

TOTAL CONSTRUCTION AREA: 25.90 ACRES

LONGITUDE : -81.552853 LATITUDE: 28.690683

ULTIMATE RECEIVING WATERS: xxxx

ACTIVITIES THAT REQUIRE EROSION CONTROL

SITE CLEARING AND GRUBBING; PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION FOR THE RETENTION POND; SITE GRADING; INSTALLATION OF STORM WATER, SANITARY SEWER, AND WATER STRUCTURES; CURB, ROADWAYS, AND PARKING FACILITIES.

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SOIL PARAMETERS

SOIL TYPES:

NO.	SERIES NAME	HYDROLOGIC GROUP
6	CANDLER–APOPKA FINE SAND, 5 TO 12% SLOPES	A
47	TAVARES–MILLHOPPER FINE SANDS, 0 TO 5% SLOPES	A

DEWATERING

DISCHARGE OF GROUNDWATER FROM DEWATERING OPERATIONS REQUIRES APPROVAL FROM FDEP AND THE APPLICABLE WATER MANAGEMENT DISTRICT. DISCHARGES DIRECTED TO THE COUNTY'S MS4 REQUIRES A RIGHT-OF-WAY UTILIZATION PERMIT FOR DEWATERING PRIOR TO THE START OF DISCHARGES. TO OBTAIN RIGHT-OF-WAY APPROVAL, COPIES OF THE FDEP PERMIT NOI, DOCUMENTATION SHOWING DEWATERING AT THE SITE IS NOT WITHIN 500 FT OF KNOWN CONTAMINATION, AND A DEWATERING PLAN SHALL BE SUBMITTED TO ALEXIS CLARK, ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION (407-836-1433) AND ORANGE COUNTY PUBLIC WORKS DEVELOPMENT ENGINEERING PERMITTING SECTION. ANALYTICAL SAMPLING OF GROUNDWATER MAY BE REQUESTED BY ORANGE COUNTY ON A CASE-BY-CASE BASIS TO CONFIRM SITE CONTAMINATION STATUS.

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
3. CLEAR AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD AND PARKING AREA
11. FINISH GRADING ENTIRE SITE
12. CONSTRUCT FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT
14. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

STORM WATER MANAGEMENT

STORMWATER WILL BE COLLECTED BY THE CATCH-BASINS ON SITE AND WILL BE DIRECTED TO THE DRY POND. THE DRY POND SYSTEM WILL TREAT AND ATTENUATE RUNOFF IN ACCORDANCE WITH SJRWMD SPECIFICATIONS AND THE CITY OF APOPKA LAND DEVELOPMENT CODE.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY.

STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-ON AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFF-SITE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.

DUST & DEBRIS CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG HAUL ROUTES AND ROADWAYS USED BY THE EQUIPMENT AND VEHICLES. THE CONTRACTOR SHALL ENSURE THAT EXCESSIVE DUST IS NOT TRANSPORTED BEYOND THE LIMITS OF CONSTRUCTION IN POPULATED AREAS. THE CONTRACTOR MAY CONTROL DUST FOR EMBANKMENTS OR OTHER CLEARED OR UNSURFACED AREAS BY APPLYING WATER. INSTALL MULCH, SEED, SOD, OR TEMPORARY PAVING AS EARLY AS PRACTICAL. CONTROL DUST DURING STORAGE AND HANDLING OF DUSTY MATERIALS BY WETTING, COVERING, OR OTHER MEANS AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL ENFORCE REDUCED VEHICLE SPEEDS ON UNPAVED ROADS AND IF NECESSARY PROHIBIT CONSTRUCTION GRADING WHEN WIND GUSTS EXCEED 25 MPH, OR OTHERWISE DIRECTED BY E.O.R. OR COUNTY INSPECTOR.

DEBRIS AND TRASH SHALL NOT BE ALLOWED TO ACCUMULATE ON THE PROJECT SITE. CONTRACTOR SHALL COLLECT LOOSE DEBRIS & TRASH DAILY, AND DISPOSE OF IT INTO APPROPRIATE CONSTRUCTION TRASH RECEPTACLES OR CONTAINERS.

ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE:

-ASPHALT
-CONCRETE
-FERTILIZERS
-METAL PIECES
-PETROLEUM BASED PRODUCTS
-TAR
-CLEANING SUPPLIES
-DETERGENTS
-MASONARY BLOCK/BRICKS
-PAINT
-WOOD

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-WATER FROM WATER LINE FLUSHING
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.

-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.

-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.

-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

-THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

-PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.

-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF EACH 0.5 INCH OR GREATER RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

-THE SILT FENCE SHALL BE INSPECTED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.

-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.

-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.

-DIVERSION DIKES SHALL BE INSPECTED AT A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAIN EVENT. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABALIZED AREAS SHALL BE RE-SODDED.

-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____ DATE:_____

JOSHUA M. ENOT, P.E.
FLORIDA REGISTRATION NUMBER: 93160
PROFESSIONAL ENGINEER

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FORM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

NO.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

SWPPP

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
C2.0

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:C2.0 STORMWATER POLLUTION PREVENTION PLAN January 19, 2026 01:04:50pm K:\orl_civil\049607003-cold link apopka\CADD\MDP\planSheets\C2.0-SWPPP.dwg
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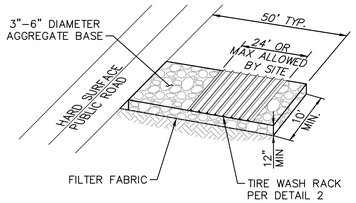


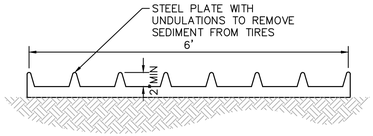
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.

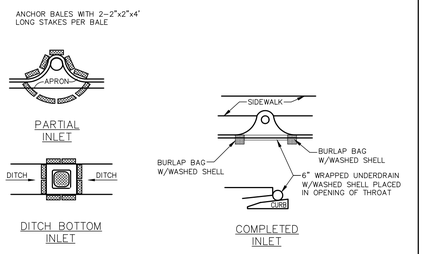
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

STABILIZED CONSTRUCTION ENTRANCE 1

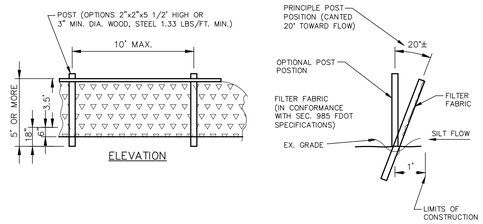


STEEL PLATE DETAIL

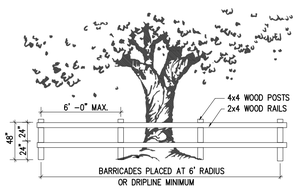
TIRE WASH RACK 2
N.T.S.



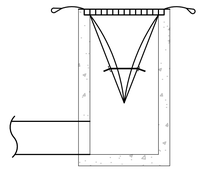
INLET PROTECTION 3
N.T.S.



TYPICAL SILT FENCE 4
N.T.S.



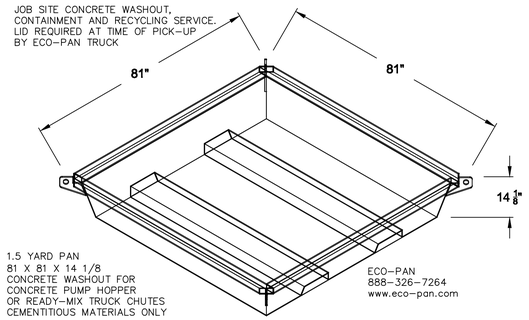
TREE PROTECTION DETAIL
NTS



INSTALLATION DETAIL

BAG DETAIL

STANDARD INLET SEDIMENT CONTROL DEVICE
NTS



NOTE:

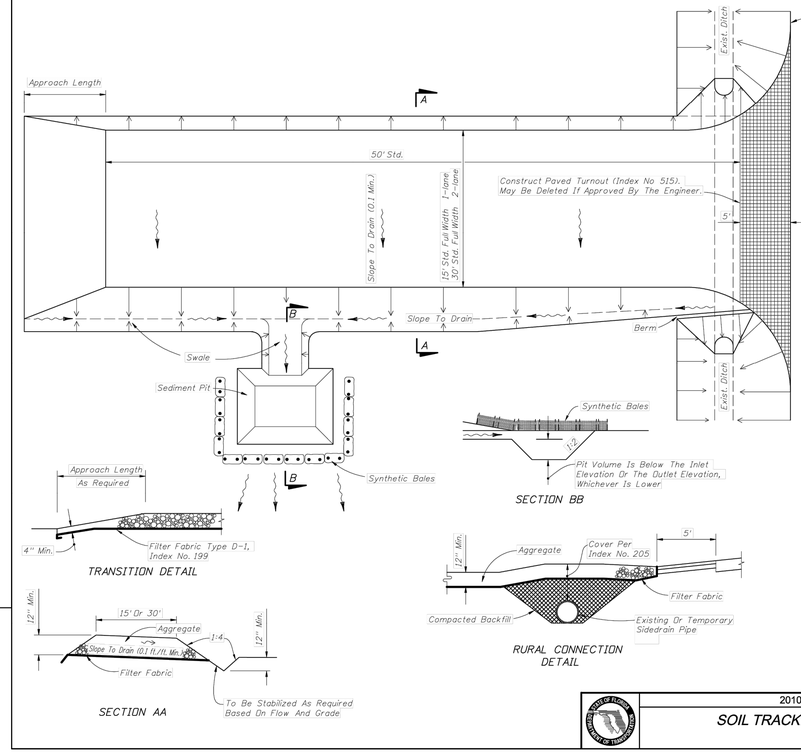
1. WASHOUT AREA TO CONTAIN A MINIMUM OF 3 CY (IE 9' BY 9' BY 1' DEEP).

2. REMOVE AND LEGALLY DISPOSE OF WASTE MATERIAL WHEN IT ACCUMULATES TO 2/3 OF WET STORAGE CAPACITY.

3. CONCRETE WASHOUT AREA TO BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY.

4. UPON COMPLETION OF CONSTRUCTION ACTIVITIES REQUIRING CONCRETE WASHOUT, REMOVE WASHOUT AND RESTORE THE AREA TO FINISH GRADE.

CONCRETE TRUCK WASHOUT 5
N.T.S



GENERAL NOTES

1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where off–site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
2. The Contractor may propose an alternative technique to minimize off–site tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
4. Aggregates shall be as described in Section 901 excluding 901–2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are unsuitable.
5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:
   15'x 50'=100 ft.³ 30' x 50'=200 ft.³
   As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, synthetic bales or silt fence shall be placed along the entire length.
6. The swale ditch draining the STPD shall have a 0.02% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
7. Mitered end sections are not required when the sidedrain pipe satisfies the clear zone requirements.
8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent off–site tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.
9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD; including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Synthetic Bale or Bale Type Barrier shall be paid for under the contract unit price for Synthetic Bales, LF. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
10. The nominal size of a standard STPD is 15'x 50' unless otherwise shown in the plans. If the volume of entering and existing vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.

2010 FDOT Design Standards	Last Revision	Sheet No.
SOIL TRACKING PREVENTION DEVICE TYPE A	07/01/07	1 of 1
	Index No.	106

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT	049607003
DATE	12/02/2025
SCALE	AS SHOWN
DESIGNED BY	DVS
DRAWN BY	JAM
CHECKED BY	JME

EROSION CONTROL DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C3.0

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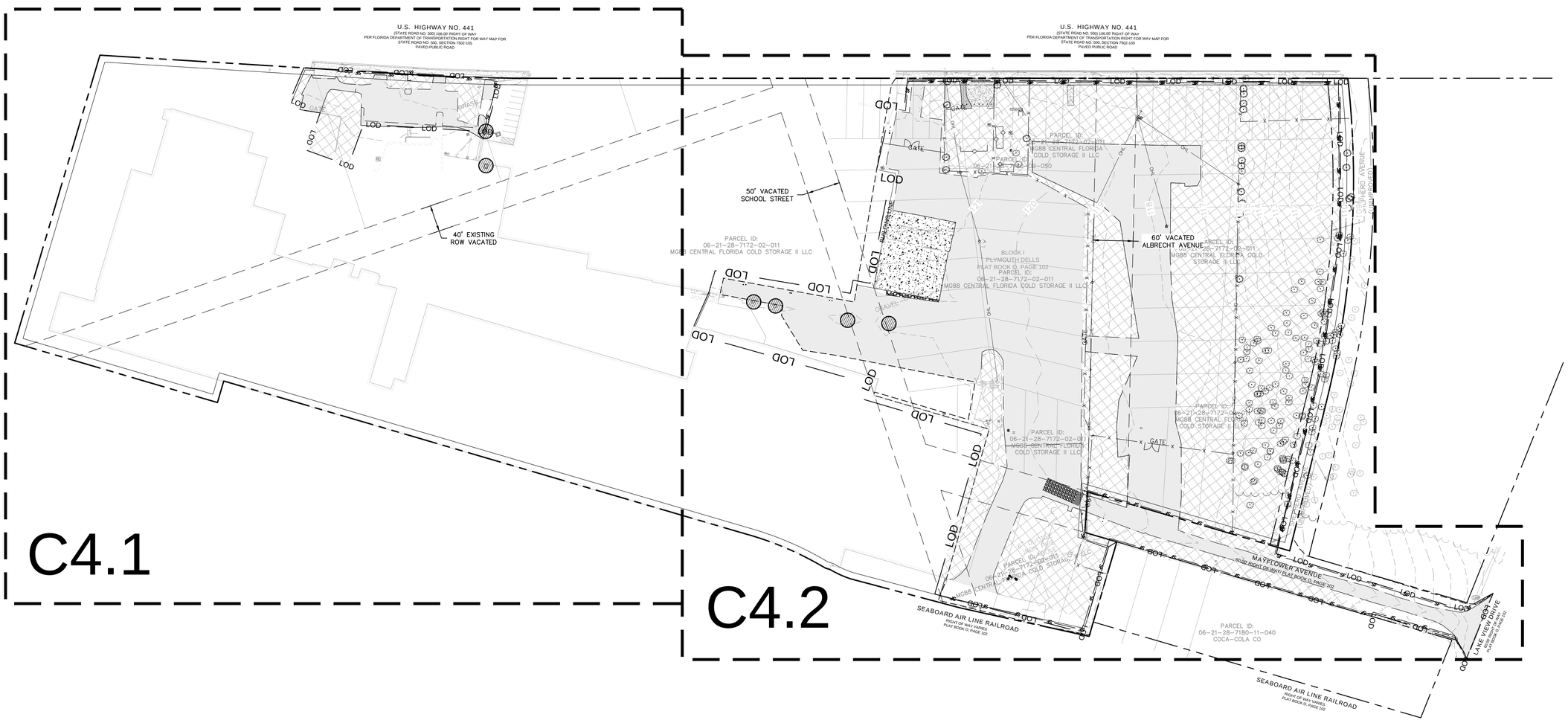

LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE/CURB TO BE REMOVED
- GRAVEL TO BE REMOVED
- AREA TO BE CLEARED AND GRUBBED. EXISTING SITE FEATURES TO BE REMOVED OR DEMOLISHED UNLESS OTHERWISE NOTED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- PROPERTY LINE
- SEDIMENT BAGS
- SILT FENCE
- CENTER LINE
- EASEMENT / SETBACK LINE
- LOD — LIMITS OF DISTURBANCE
- INLET PROTECTION
- GEOTECH BORING

NOTES

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C3.0. IN THE EVENT THAT ADDITIONAL STRENGTH IS NEEDED, FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C3.0.
6. UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C3.0.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS, SEE SHEET C3.0.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ANY EXISTING WELLS (I.E. ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
11. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
12. IF ANY SEPTIC TANKS OR DRAIN FIELDS ARE FOUND, CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR REMOVAL.
13. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
14. CONTRACTOR TO MAINTAIN EXISTING OFF-SITE AND ONSITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION
15. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE TOPOGRAPHIC SURVEY PROVIDED BY LEADING EDGE LAND SERVICES, INC. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS AREA PRIOR TO CONSTRUCTION WORK.
16. ELEVATIONS SHOWN ON THIS PLAN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
17. THERE MAY BE AN ON-SITE SEPTIC SYSTEM. CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR THE ABANDONMENT AND REMOVAL OF THE SEPTIC SYSTEM.
18. CONTRACTOR TO FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR THE REMOVAL OF ANY SEPTIC TANKS AND/OR DRAIN FIELDS IF THEY ARE FOUND ON SITE AT THE TIME OF CONSTRUCTION.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

Always call 811 two full business days before you dig to have underground utilities located and marked.
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No.	DATE	BY
3	01/09/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG
	REVISIONS	

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

EXISTING CONDITIONS AND DEMO PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C4.0

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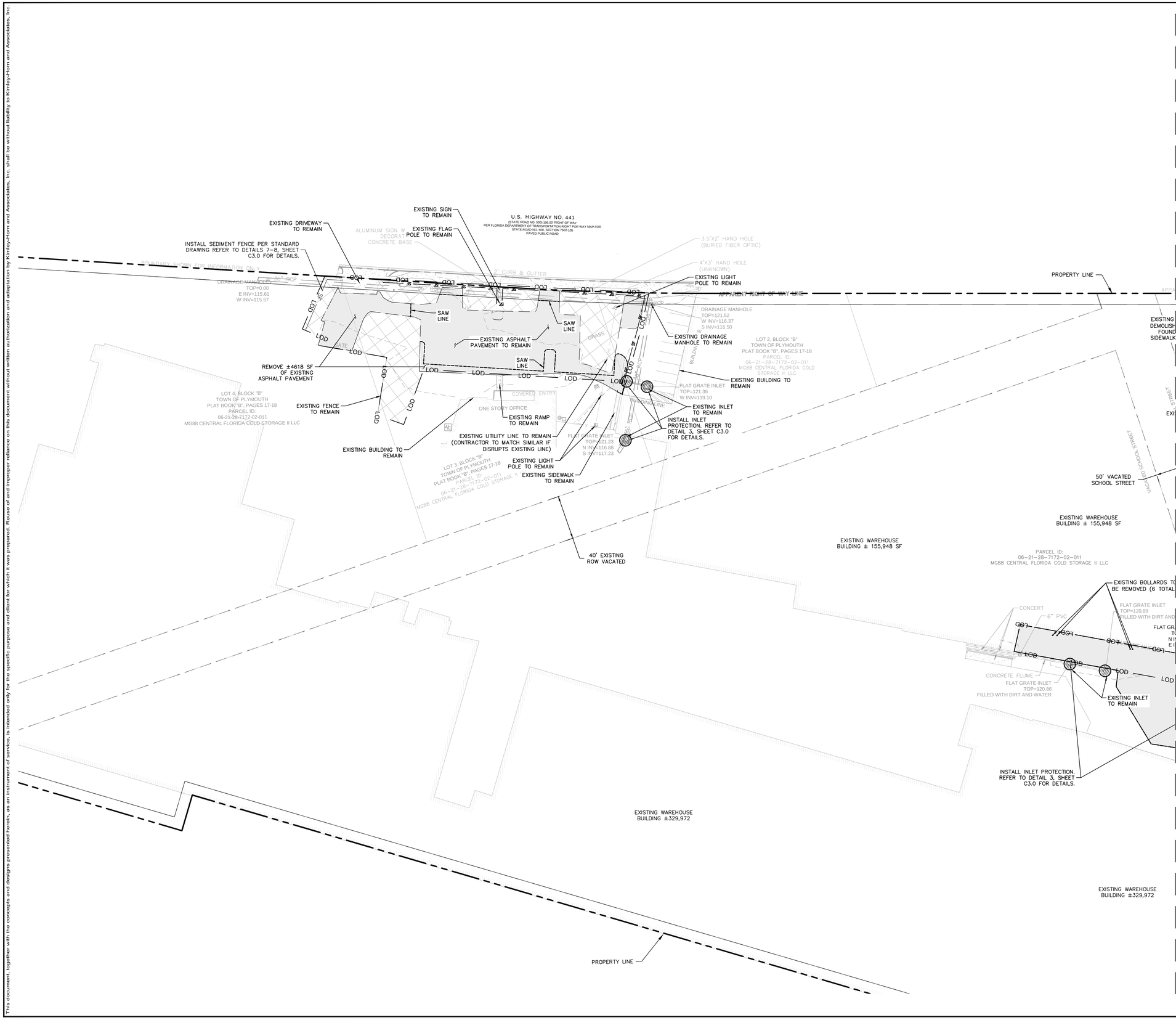

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

NORTH

Always call 811 two full business days before you dig to have underground utilities located and marked.

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LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE/CURB TO BE REMOVED
- GRAVEL TO BE REMOVED
- AREA TO BE CLEARED AND GRUBBED. EXISTING SITE FEATURES TO BE REMOVED OR DEMOLISHED UNLESS OTHERWSE NOTED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- PROPERTY LINE
- SAWCUT LINE
- SF SILT FENCE SF
- CENTER LINE
- EASEMENT / SETBACK LINE
- LOD LIMITS OF DISTURBANCE
- INLET PROTECTION
- GEOTECH BORING
- EXISTING TREE TO BE PROTECTED
- EXISTING TREE TO BE REMOVED

NOTES

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C3.0. IN THE EVENT THAT ADDITIONAL STRENGTH IS NEEDED, FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C3.0.
6. UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C3.0.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS, SEE SHEET C3.0.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ANY EXISTING WELLS (I.E. ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
11. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
12. IF ANY SEPTIC TANKS OR DRAIN FIELDS ARE FOUND, CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS FOR REMOVAL.
13. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
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16. ELEVATIONS SHOWN ON THIS PLAN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88)
17. THERE MAY BE AN ON-SITE SEPTIC SYSTEM. CONTRACTOR IS TO FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR THE ABANDONMENT AND REMOVAL OF THE SEPTIC SYSTEM.
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2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM

Kimley»Horn

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT	049607003
DATE	12/02/2025
SCALE	AS SHOWN
DESIGNED BY	DVS
DRAWN BY	JAM
CHECKED BY	JME

DETAILED EXISTING CONDTIONS AND DEMO PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C4.1

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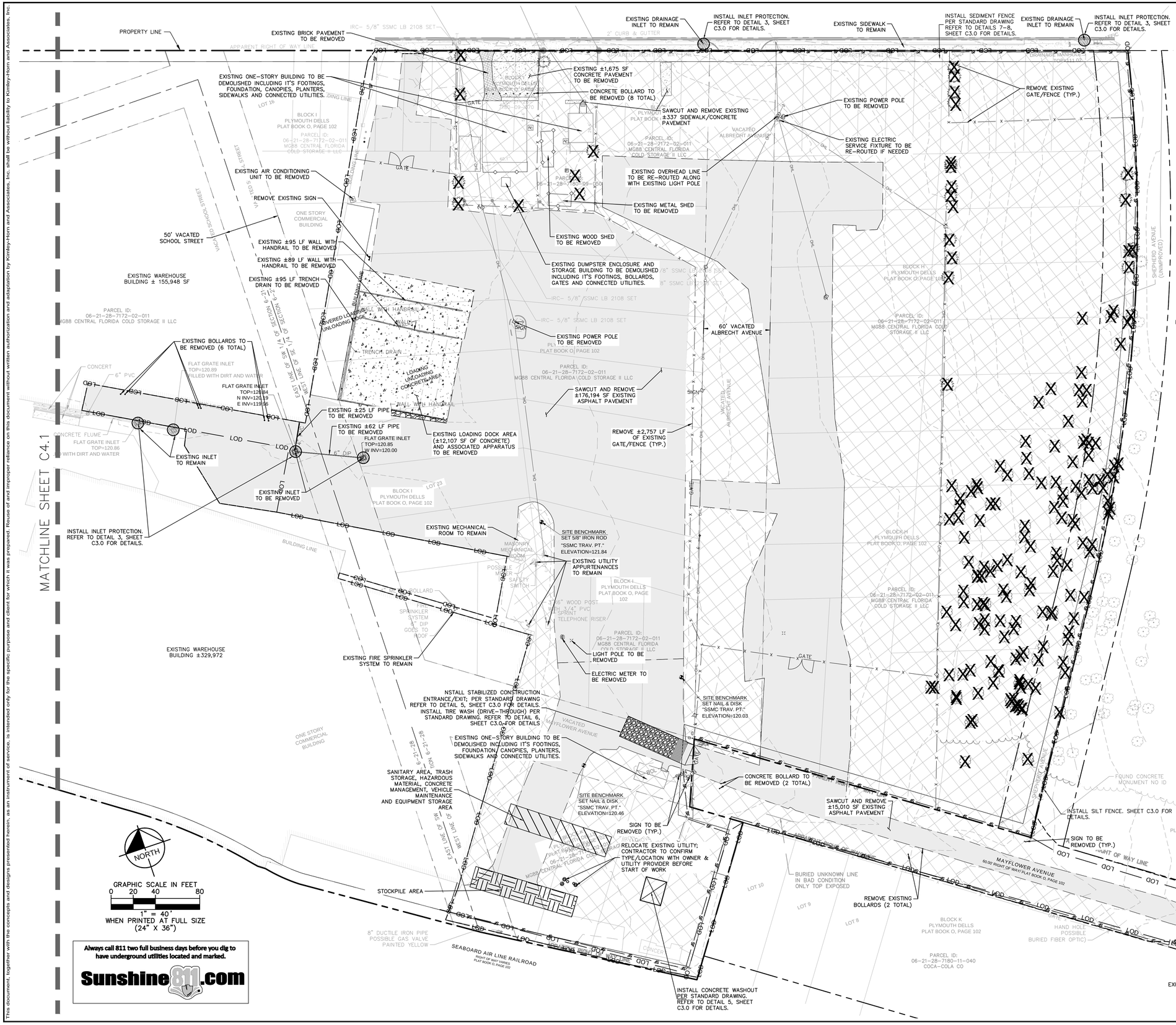

LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE/CURB TO BE REMOVED
- GRAVEL TO BE REMOVED
- AREA TO BE CLEARED AND GRUBBED. EXISTING SITE FEATURES TO BE REMOVED OR DEMOLISHED UNLESS OTHERWISE NOTED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- PROPERTY LINE
- SAWCUT LINE
- SILT FENCE
- CENTER LINE
- EASEMENT / SETBACK LINE
- LOD — LIMITS OF DISTURBANCE
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- GEOTECH BORING
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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED EXISTING CONDTIONS AND DEMO PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
C4.2

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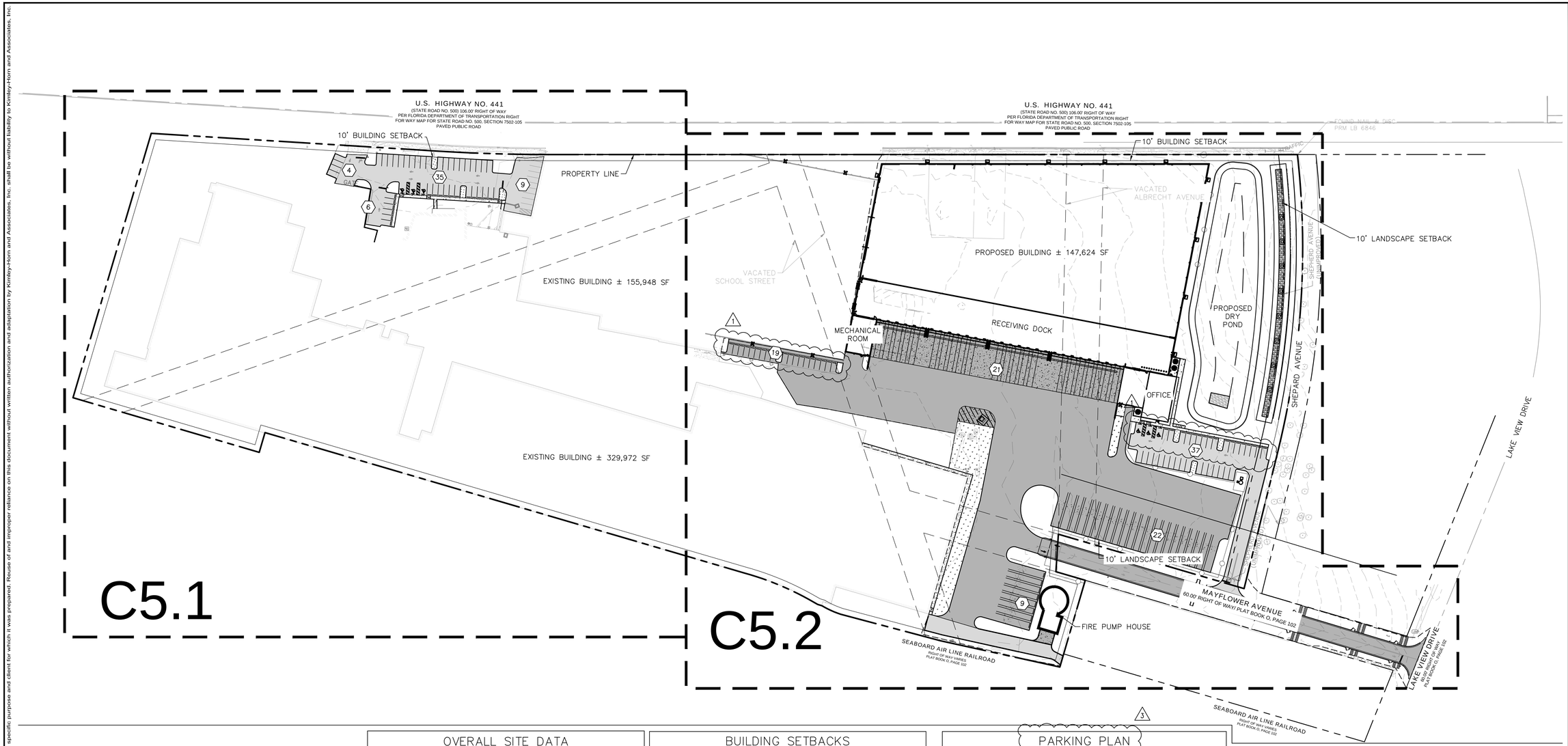

LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- XX — PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

OVERALL SITE DATA			
STREET ADDRESS	2560 WEST ORANGE BLOSSOM TRAIL, APOPKA, FL		
SECTION/TOWNSHIP/RANGE	06	21 S	28 E
ZONING	I-L	LIGHT INDUSTRIAL	
PARCEL AREA	±28.09 AC		
ONSITE AREA OF WORK/ LIMITS OF DISTURBANCE	±11.694 AC ONSITE LOD		
OFFSITE IMPROVEMENTS AREA	±0.840 AC MAYFLOWER AVE IMPROVEMENTS		
PROPOSED BUILDING AREA	~148,000 SF (±3.39 AC)		

OPEN SPACE CALCULATION		
TYPE	REQUIRED	PROVIDED
PERVIOUS AREA (OPEN SPACE)	0.585 AC (5% OF LOD AREA)	±3.166 AC (27%)

1

BUILDING SETBACKS		
TYPE:	REQUIRED	PROVIDED
FRONT	10 FT.	10 Ft
SIDE	10 FT.	10 Ft
REAR	10 FT.	10 Ft
STREET	10 FT.	10 Ft

ADJACENT PROPERTY DATA		
DIRECTION FROM SITE:	ZONING	USE
NORTH	N/A	FDOT ROAD
EAST	I-L	LIGHT INDUSTRIAL
SOUTH	I-L	LIGHT INDUSTRIAL
WEST	T	TRANSITIONAL

3

PARKING PLAN		
PARKING TYPE	REQUIRED	PROPOSED
REGULAR SPACES	51	53
ADA SPACES	3	3
TOTAL PARKING	54	56
LOADING BERTH	14	21
SEMI TRUCK SPACES	–	31

EXISTING OFFICE PARKING MODIFICATIONS		
	EXISTING	PROPOSED
PARKING SPACES	33	54

1

GENERAL NOTES:
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4. HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICAN WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.
5. DETECABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
6. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC.
7. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARD PLANS (INDEXES), THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE (24" X 36")

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OVERALL SITE PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER C5.0

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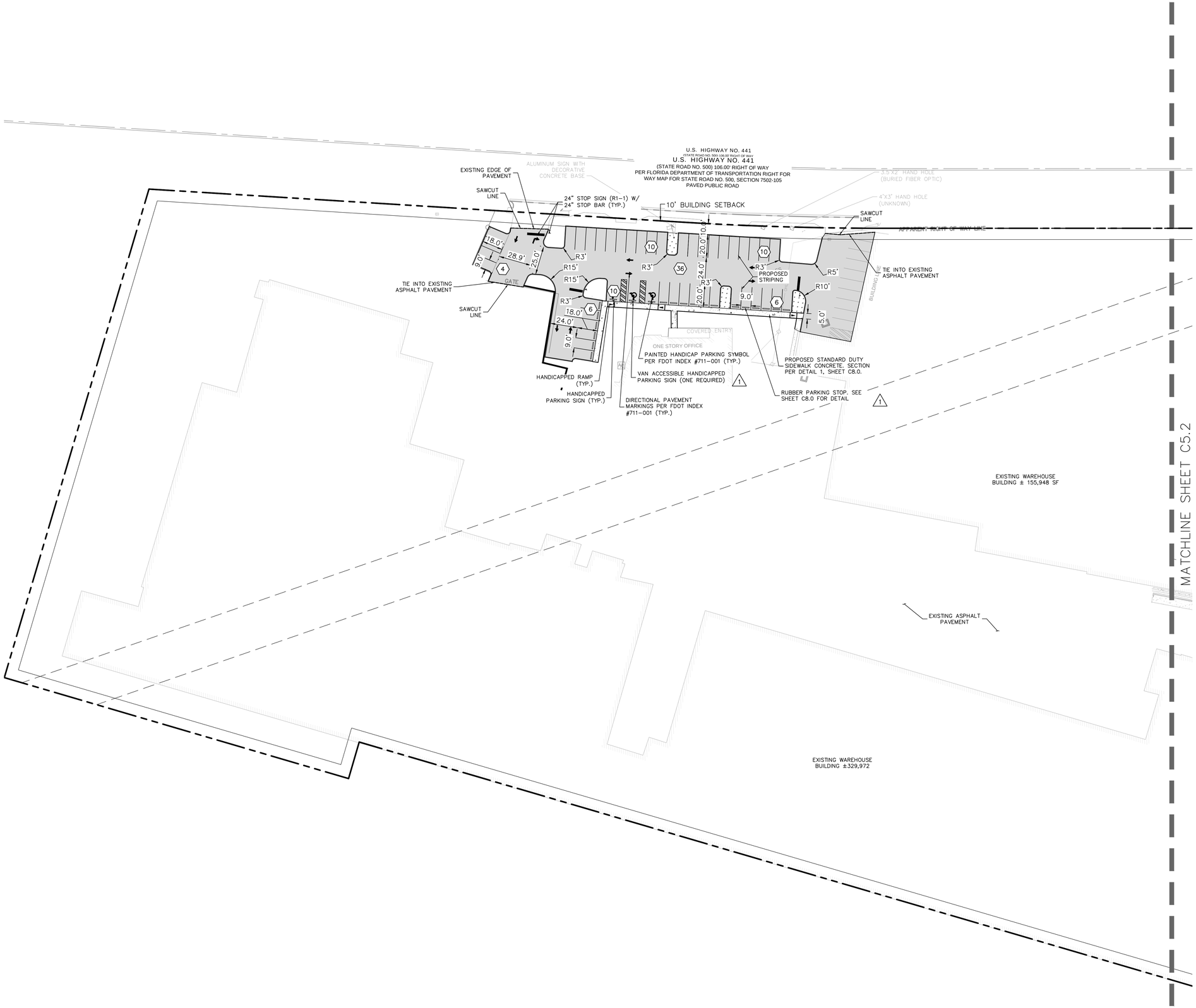



GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- XX — PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
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- LANDSCAPE/SOD AREA

GENERAL NOTES:

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED SITE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER C5.1

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U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT OF WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

10' BUILDING SETBACK

MATCHLINE SHEET C5.1

PROPOSED BUILDING ± 147,624 SF

EXISTING WAREHOUSE
BUILDING ± 155,948 SF

EXISTING WAREHOUSE
BUILDING ±329,972

ONE STORY COMMERCIAL BUILDING

ONE STORY COMMERCIAL BUILDING

PARCEL ID: 06-21-28-7172-02-011
MG88 CENTRAL FLORIDA COLD STORAGE II LLC

PARCEL ID: 06-21-28-7180-09-050

VACATED ALBRECHT AVENUE

VACATED MAYFLOWER AVENUE

VACATED SCHOOL STREET

BLOCK I
PLYMOUTH DELLS
PLAT BOOK O, PAGE 102

SHEPHERD AVENUE (UNIMPROVED)

BUILDING LINE

RECEIVING DOCK

DOCK DOORS

MECHANICAL ROOM

OFFICE

MH

PROPOSED DRY POND

PROPOSED STANDARD DUTY SIDEWALK CONCRETE. SECTION PER DETAIL 1, SHEET C8.0.

HANDICAPPED PARKING SIGN (TYP.)

HANDICAPPED RAMP (TYP.)

PAINTED HANDICAP PARKING SYMBOL PER FDOT INDEX #711-001 (TYP.)

(8) PROPOSED BICYCLE PARKING (SEE SHEET C8.0 FOR DETAIL)

RUBBER PARKING STOP. SEE SHEET C8.0 FOR DETAIL

PROPOSED 15.0' DRAINAGE EASEMENT

PROPOSED PRIVATE LIFT STATION

TIE INTO EXISTING ASPHALT PAVEMENT

EXISTING ASPHALT PAVEMENT

SAWCUT LINE

PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECTURAL SHEETS FOR MORE DETAILS.

VAN ACCESSIBLE HANDICAPPED PARKING SIGN (ONE REQUIRED)

PROPOSED STANDARD DUTY SIDEWALK CONCRETE. SECTION PER DETAIL 1, SHEET C8.0.

PROPOSED STANDARD DUTY SIDEWALK CONCRETE. SECTION PER DETAIL 1, SHEET C8.0.

12.0' TRAILER STALL (TYP.)

DIRECTIONAL PAVEMENT MARKINGS PER FDOT INDEX #711-001 (TYP.)

PROPOSED STRIPING (TYP.)

22 TRAILER STAGING

TYPE 'D' CURB (PER FDOT STANDARD INDEX 520-001 (TYP.)

PROPOSED 15.0' DRAINAGE EASEMENT

DIRECTIONAL PAVEMENT MARKINGS PER FDOT INDEX NO. 711-001 (TYP.)

24" STOP SIGN (R1-1) W/ 24" STOP BAR (TYP.)

PROPOSED FENCE (TYP.). KNOXBOX REQUIRED AND GATE TO HAVE CLICK2ENTER INSTALLED PER CITY OF APOPKA FIRE DEPARTMENT REQUIREMENTS.

"NO PARKING" SIGNS

FIRE PUMP HOUSE

RUBBER PARKING STOP. SEE SHEET C8.0 FOR DETAIL

4' BERM (TYP.) (SEE GRADING SHEET C6.2 FOR DETAILS)

PROPOSED 2' CURB & GUTTER PER FDOT INDEX 520-001 (TYP.)

MAYFLOWER AVENUE
60.00 RIGHT OF WAY PLAT BOOK O, PAGE 102

APPARENT RIGHT OF WAY LINE

SEABOARD AIR LINE RAILROAD
RIGHT OF WAY VARIES
PLAT BOOK O, PAGE 102

LAKE VIEW DRIVE
PLAT BOOK O, PAGE 102

PARCEL ID: 06-21-28-7180-11-040
COCA-COLA CO

PARCEL ID: 06-21-28-7172-02-011
MG88 CENTRAL FLORIDA COLD STORAGE II LLC

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WHEN PRINTED AT FULL SIZE
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DETAILED SITE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.2

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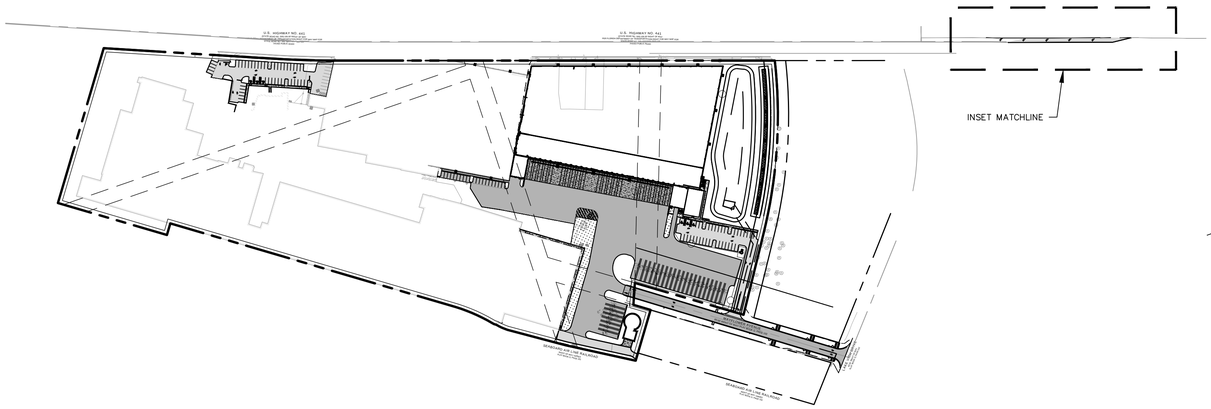


KEY MAP
SCALE: 1" = 200'

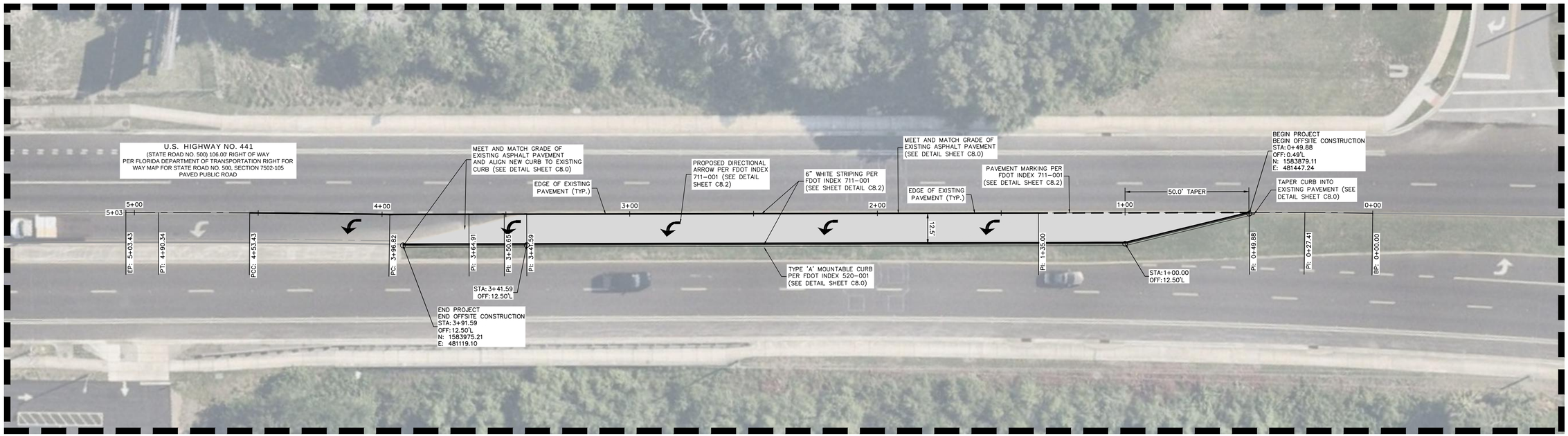
NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

PROPOSED ASPHALT PAVEMENT/ SECTION (SEE SHEET C8.0 FOR DETAILS)

TYPE 'A' MOUNTABLE CURB (SEE SHEET C8.0 FOR DETAILS)



No.	REVISIONS	DATE	BY
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM

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KHA PROJECT	049607003
DATE	12/02/2025
SCALE	AS SHOWN
DESIGNED BY	DVS
DRAWN BY	JAM
CHECKED BY	JME

US HWY 441 - LEFT TURN LANE

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.3

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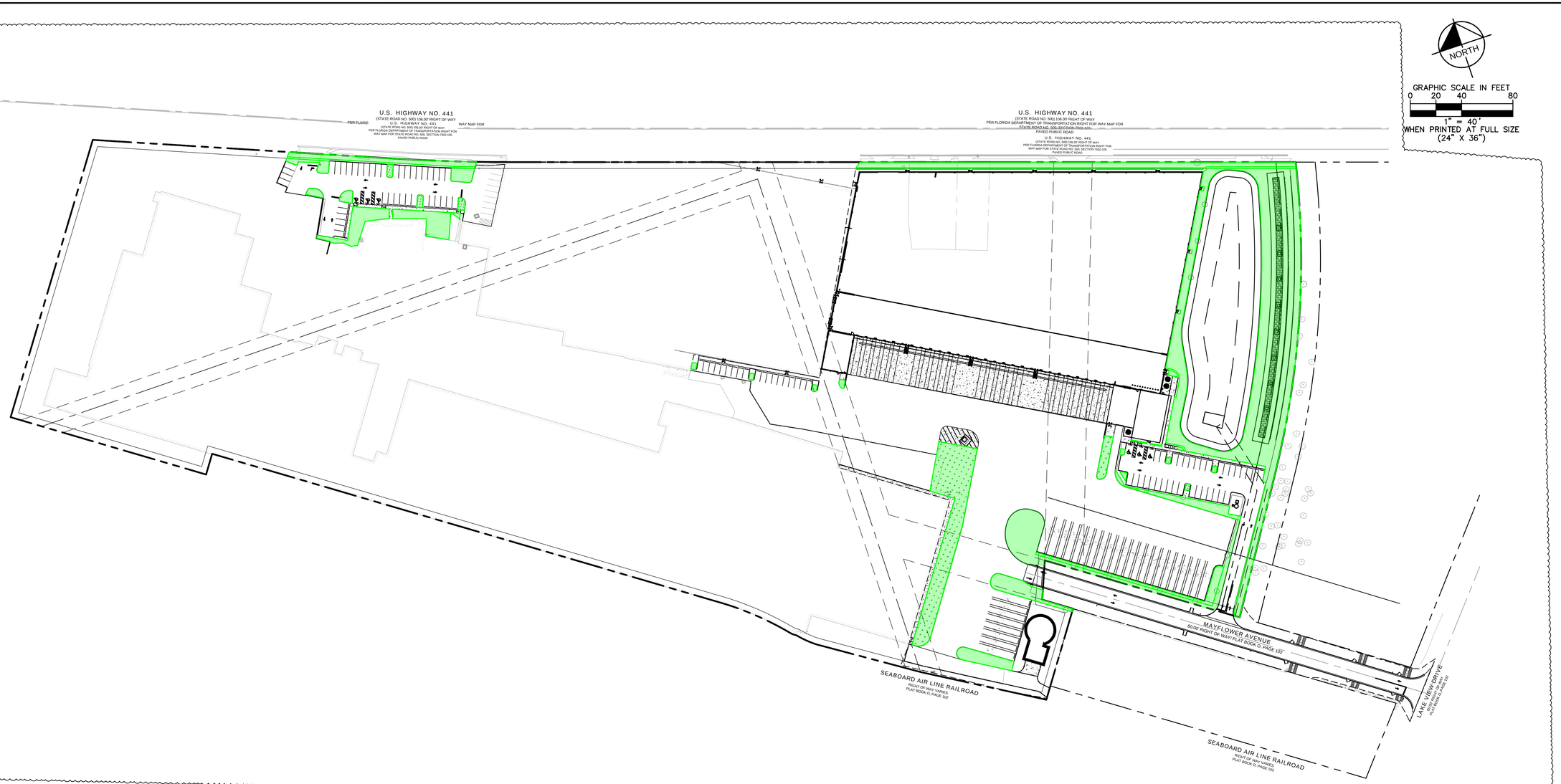
3



LEGEND

LANDSCAPE/OPEN SPACE

OVERALL OPEN SPACE SUMMARY

MINIMUM OPEN SPACE CALCULATION:	11.69 AC x 5% = 0.59 AC
PROVIDED OPEN SPACE:	
LANDSCAPE:	1.87 AC
TOTAL PROVIDED:	1.87 AC (15.99%)

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OPEN SPACE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C5.4

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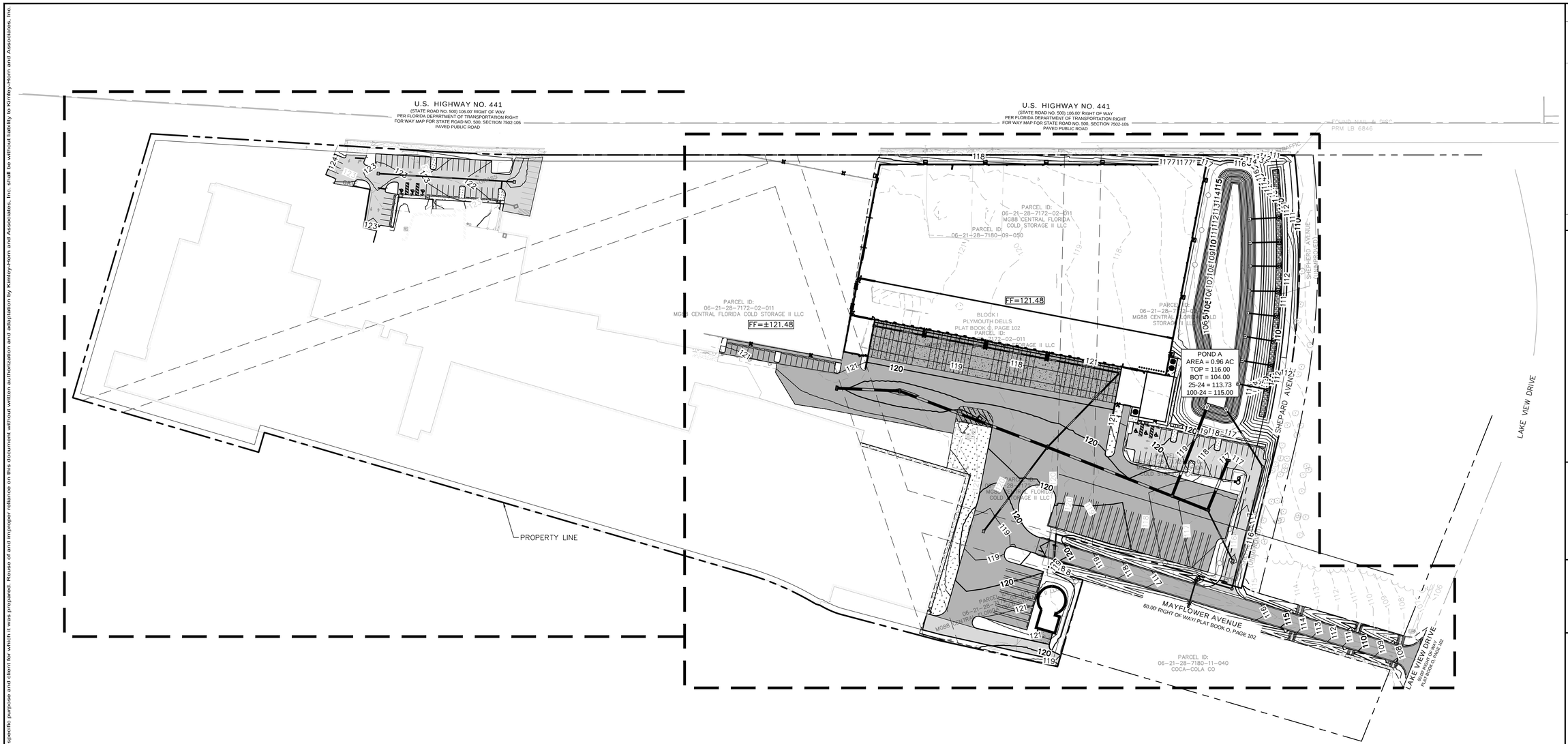

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- 21.60 — EXISTING SPOT ELEVATION
- 21.60 — EXISTING SPOT ELEVATION
- PROPOSED STORM PIPE
- ST — EXISTING STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

GENERAL NOTES:

1: ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, ETC WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES. SEE SPECIFICATIONS.
2: ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
3: ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
4: GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
5: SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
6: ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED OR PER JURISDICTIONAL REQUIREMENTS.
7: EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
8: IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY.
9: ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AND STRUCTURE IS WATER TIGHT.
10: ALL ROOF DRAINS SHALL BE CONNECTED TO THE STORM SYSTEM. IN AREAS NOT SUBJECT TO FREEZING, ROOF DRAINS CAN SPASH ON GRADE AND BE COLLECTED IN INLETS OR TREATED AS SURFACE RUNOFF.
11: CONTRACTOR IS TO ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
12: CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSED AND PAVED AREAS.
13: TOPOGRAPHIC INFORMATION TAKEN FROM: LEADING EDGE LAND SERVICES, INC. ON JANUARY 31, 2023.
14: CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
15: CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS, MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUTTING.
16: DETENTION POND OUTFLOW DEVICES SHALL BE DESIGNATED TO LIMIT FLOWS TO CAPACITY LEVELS OF DOWNSTREAM DRAINAGE STRUCTURES.
17: DEVIATIONS FROM RECOMMENDED PARKING LOT SLOPES SHALL BE APPROVED BY FLOOR & DECOR CONSTRUCTION AND DESIGN.
18: CONTRACTOR TO PROVIDE FLOOR & DECOR CONSTRUCTION AND DESIGN, AND LOCAL AUTHORITY WITH AS-BUILT DRAWINGS. SEE REQUIREMENTS IN THIS SHEET.
19: CONTRACTOR TO VERIFY T.A.S./A.D.A. COMPLIANCE PRIOR TO POURING CONCRETE. FOR ANY QUESTIONS, CONTACT CIVIL ENGINEER IMMEDIATELY.
20: GRADES IN ALL ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. AND T.A.S. STANDARDS: MAXIMUM RUNNING SLOPE FOR ALL PATHS IS 5%, MAX CROSS SLOPE FOR ALL PATHS IS 2%, FOR THE FIRST FIVE FEET FROM THE DOOR, A 2% SLOPE IN ALL DIRECTIONS (MAX) MUST BE MAINTAINED.
21: IN GENERAL, THE MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5%, THE MINIMUM SLOPE SHALL NOT BE INFERIOR THAN 1.5% AND THE PREFERRED SLOPE SHALL BE 2.5%.
22: REFER TO LANDSCAPE ARCHITECT PLANS FOR LANDSCAPE/HARDSCAPE DETAILS.
23: CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL/STRUCTURAL PLANS PRIOR TO CONSTRUCTION STAKING.
24: LANDSCAPE AREAS ADJACENT TO BUILDING TO DRAIN AWAY FROM BUILDING AT A MINIMUM OF 2% SLOPE.
25: AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING, ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
26: CONCRETE VALLEY GUTTER SHALL BE CONSTRUCTED IF ASPHALT PAVEMENT IS USED. REFER TO CONSTRUCTION DETAILS
27: FOR STORM SEWER PIPE PROFILES REFER TO DETAIL ON SHEET C7.0 FOR MORE INFORMATION.
28: SEE PIPE PROFILES SHEET FOR INVERT ELEVATIONS (TYPICAL).
29: SEE SHEET C3.0 FOR APPROXIMATE LOCATION OF EXISTING UTILITIES.
30: ALL THE ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS. CONTRACTOR TO SUBTRACT PAVEMENT THICKNESS AND FLOOR SLAB THICKNESS FOR SUBGRADE ELEVATIONS.
31: CONTRACTOR SHALL REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ALL VESTIBULES/ENTRIES, SIDEWALKS, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
32: TERMITE SPRAY IF NEEDED IS TO BE PROVIDED FOR FOUNDATION BY FOUNDATION CONTRACTOR.
33: SITE PREPARATION TO BE PROVIDED BY CONTRACTOR TO INCLUDE:
A. PROTECTING EXISTING VEGETATION TO REMAIN.
B. REMOVING EXISTING VEGETATION.
C. CLEARING AND GRUBBING.
D. STRIPPING AND STOCKPILING TOPSOIL
E. REMOVING ABOVE-AND BELOW-GRADE SITE IMPROVEMENTS.
F. DISCONNECTING, CAPPING OR SEALING SITE UTILITIES.
G. TEMPORARY EROSION AND SEDIMENTATION CONTROL,

NORTH

GRAPHIC SCALE IN FEET
0 40 80 40
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

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Sunshine811.com

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OVERALL GRADING AND DRAINAGE

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C6.0

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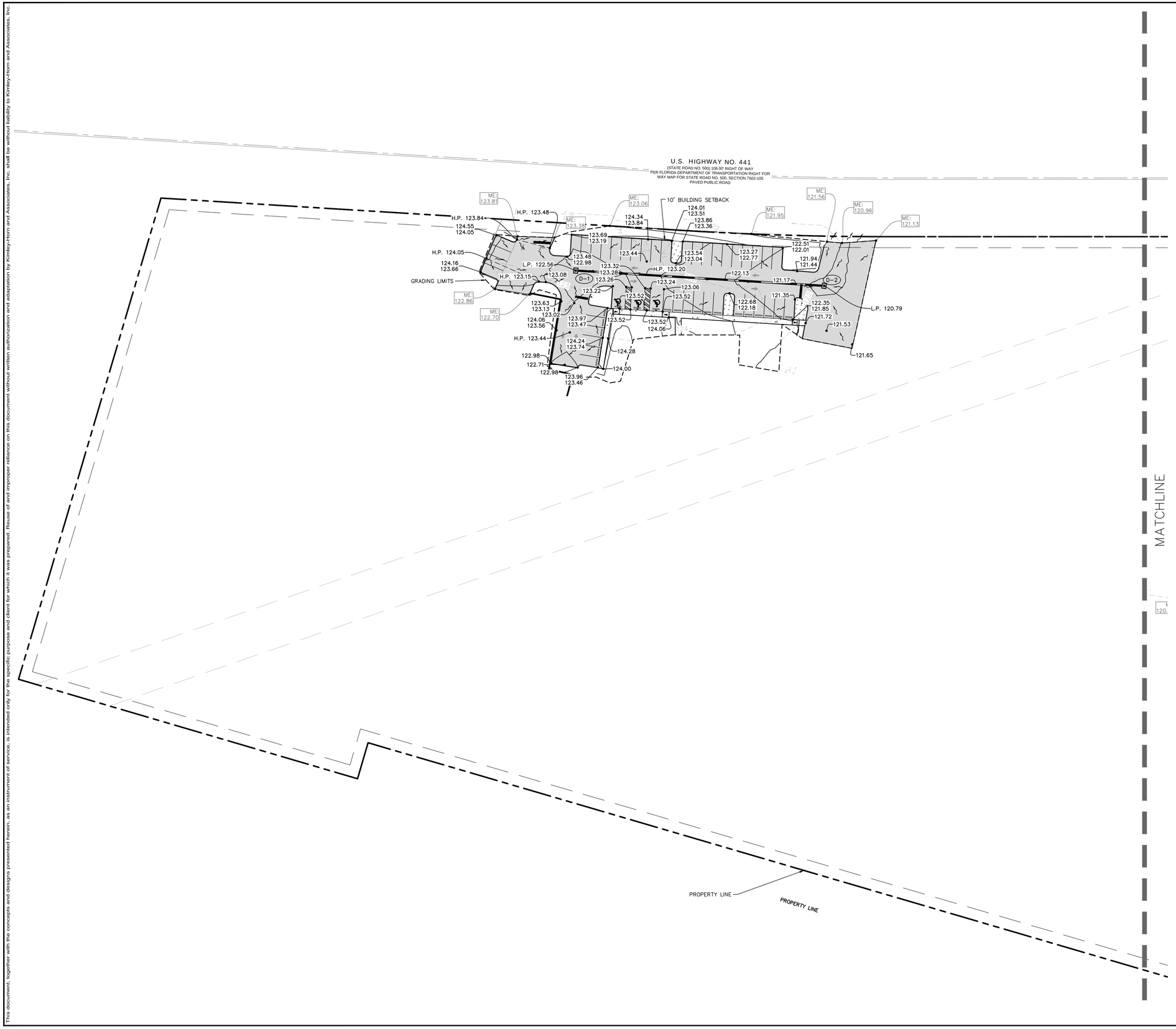

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D-1	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 122.56 E. INV OUT: 118.86
D-2	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 120.79 W. INV IN: 117.08

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE
(24" X 36")

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- EXISTING STORM PIPE
- LIMITS OF CONSTRUCTION
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT, REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED GRADING AND DRAINAGE

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C6.1

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MATCHLINE

U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT OF WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
1" = 40'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION (21.60)
- PROPOSED SPOT ELEVATION (•21.60)
- PROPOSED STORM PIPE
- EXISTING STORM PIPE (ST)
- LIMITS OF CONSTRUCTION
- PROPOSED STORM STRUCTURES (U, ▩, ⊙)
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT, REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

BUILDING ROOF DRAINS TO TIE TO SURFACE WATER MANAGEMENT SYSTEM

POND A
AREA = 0.96 AC
BOT = 104.00
MEAN = 112.05
25-24 = 113.63
100-24 = 114.87
TOP = 116.00

SPREADER SWALE
TOP = 112.00
BOT = 110.00

82 LF RETAINING WALL

392 LF OF CONTECH TRAPEZOIDAL SLOTTED DRAIN

259 LF OF 48" RCP @ 0.00%

170 LF OF 24" RCP @ 0.49%

220 LF OF 48" RCP @ 0.49%

173 LF OF 24" RCP @ 0.50%

51 LF OF 18" RCP @ 0.00%

3' CURB TRANSITION

LIMITS OF GRADING (TYP.)

POND SLOPES TO BE LINED WITH GEO-GRID EROSION CONTROL PRODUCT. SEE SHEET C8.3

2' CONCRETE ARRON (TYP.)

RIP-RAP (TYP.)

SPREADER SWAL WEIR. SEE DETA SHEET C8.3

PROPOSED 15.0' DRAINAGE EASEMENT

GRADING LIMITS

MAYFLOWER AVENUE
60.00' RIGHT OF WAY(PLAT BOOK O, PAGE 102

FIRE PUMP HOUSE

SEABOARD AIR LINE RAILROAD
RIGHT OF WAY VARIES
PLAT BOOK O, PAGE 102

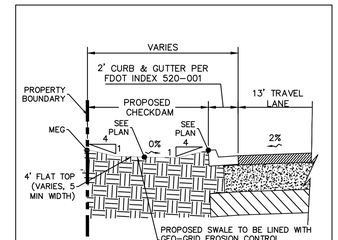
LAKE VIEW DRIVE
60.00' RIGHT OF WAY
PLAT BOOK O, PAGE 102

PROPOSED SWALE TO BE LINED WITH GEO-GRID EROSION CONTROL PRODUCT. SEE SHEET C8.3)

4' FLAT CHECKDAM (TYP.) SEE DETAIL THIS SHEET

5' X 5' RIP-RAP (TYP.)

SWALE CHECKDAM
NTS



STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
BU-3	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 110.00 NW. INV IN: 107.00
BU-4	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 110.00 NW. INV IN: 107.00
BU-5	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 110.00 W. INV IN: 107.00
BU-5 1	BUBBLE-UP TYPE 'C' INLET FDOT INDEX 425 TOP: 114.41 SW. INV IN: 110.91 SE. INV OUT: 110.91
BU-6	BUBBLE-UP TYPE 'D' INLET FDOT INDEX 425 TOP: 110.00 W. INV IN: 107.00
BU-6 1	BUBBLE-UP TYPE 'C' INLET FDOT INDEX 425 TOP: 114.76 NE. INV OUT: 111.71
D-3	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 120.24 E. INV OUT: 112.77
D-4	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 118.67 W. INV IN: 112.25 SE. INV OUT: 112.25
D-5	TYPE "H2" INLET PER FDOT INDEX #425-251 TOP: 118.99 NW. INV IN: 110.96 NE. INV IN: 110.10 SW. INV IN: 112.97 SE. INV OUT: 110.96
D-6	CB TOP: 117.30 SE. INV OUT: 113.00

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D-7	TYPE 'C' INLET FDOT INDEX 425 TOP: 117.21 NW. INV IN: 110.95 SW. INV OUT: 110.95
D-8	TYPE "D" INLET PER FDOT INDEX #425-251 TOP: 118.08 NE. INV OUT: 113.83
D-9	TYPE 'H2' INLET FDOT INDEX 425 J-BOTTOM TOP: 117.00 NW. INV IN: 109.55 NE. INV IN: 109.55 S. INV IN: 109.55
D-10	TYPE "H2' INLET FDOT INDEX 425 TOP: 116.76 SW. INV OUT: 110.43
D-11	TYPE "D" INLET FDOT INDEX 425 TOP: 115.87 N. INV OUT: 110.48
MES-1	U-TYPE DISSIPATOR FDOT INDEX 430-012 TOP: 108.50 SW. INV IN: 104.00
MES-5	FES TOP: 108.09 SE. INV OUT: 107.00
MES-6	FES TOP: 108.08 SE. INV OUT: 107.00
MES-7	FES TOP: 108.08 E. INV OUT: 107.00
MES-8	FES TOP: 108.08 E. INV OUT: 107.00

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED GRADING AND DRAINAGE

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C6.2

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GENERAL UTILITY NOTES:

1. CONTRACTOR TO CONFIRM UNDERGROUND UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO COORDINATE PROPOSED TRANSFORMER LOCATIONS AND ELECTRIC SERVICE WITH POWER COMPANY AND OWNER. TRANSFORMERS AND SERVICE LINES SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS. CONTRACTOR TO CONFIRM PAD AND BOLLARD REQUIREMENTS.
3. CONTRACTOR TO COORDINATE PROPOSED TELEPHONE SERVICE AND ROUTING WITH CABLE COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
4. CONTRACTOR TO COORDINATE PROPOSED GAS SERVICE AND ROUTING WITH GAS COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
5. ALL POTABLE WATER UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO BE FAMILIAR WITH THESE STANDARDS.
6. REFER TO THE CITY OF APOPKA STANDARD NOTES & DETAILS, SHEETS C8.0 – C8.2.
7. REFER TO ORANGE COUNTY STANDARD NOTES AND DETAILS, SHEET C8.3.

GENERAL FIRE SERVICE NOTES:

1. ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SPRINKLER SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION. THE DRAWING SHALL INDICATE THAT ALL UNDERGROUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 (2013 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". [F.A.C. 69A–60.005(2)]
2. ALL FIRE SERVICE MAIN LOCATED DOWNSTREAM OF THE FIRE POINT OF SERVICE SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH APPLICABLE FIRE CODE. CONTRACTOR TO VERIFY REQUIREMENTS WITH THE CITY OF APOPKA PRIOR TO SHOP DRAWING REVIEW.

LEGEND

- PROPERTY BOUNDARY
- PROPOSED FIRE LINE
- PROPOSED WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED F.D.C.
- PROPOSED STORM INLET
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM PIPE
- EXISTING OVERHEAD LINE
- EXISTING NATURAL GAS LINE
- EXISTING RECLAIM LINE
- EXISTING FIBER OPTIC LINE
- PROPOSED SANITARY MANHOLE

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
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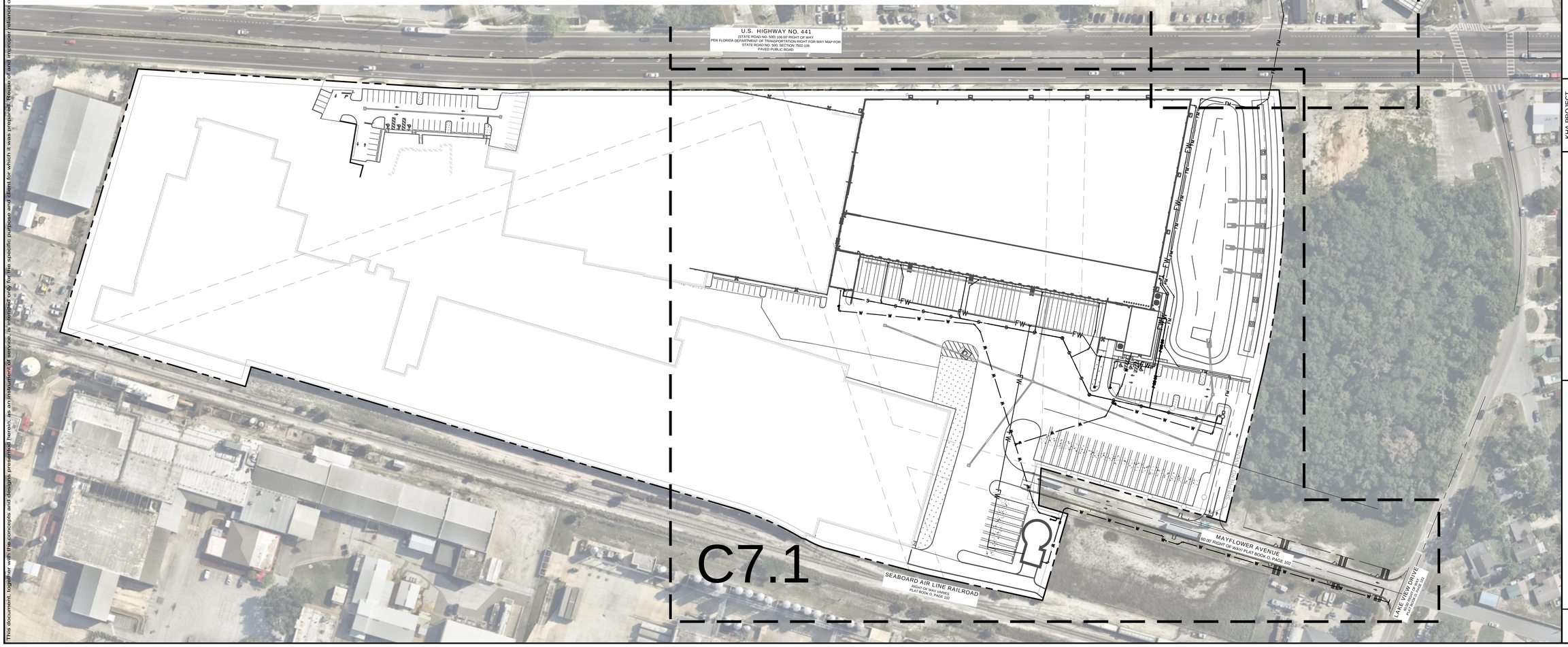
(24" X 36")



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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OVERALL UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C7.0

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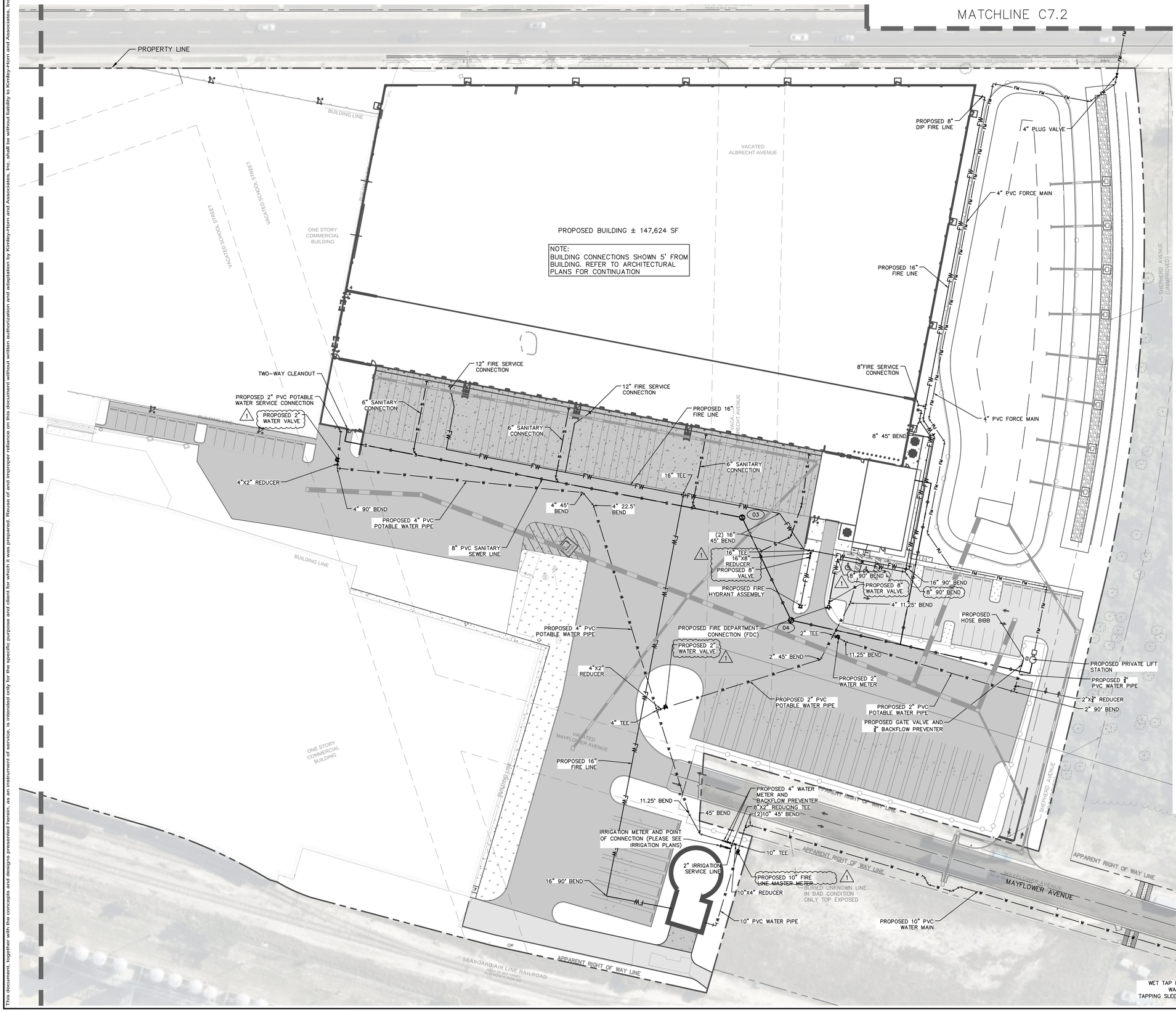

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

- PROPERTY BOUNDARY
- PROPOSED FIRE LINE
- PROPOSED WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED F.D.C.
- PROPOSED STORM INLET
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM PIPE
- EXISTING OVERHEAD LINE
- EXISTING NATURAL GAS LINE
- EXISTING RECLAIM LINE
- EXISTING FIBER OPTIC LINE
- PROPOSED SANITARY MANHOLE

GENERAL UTILITY NOTES:

1. CONTRACTOR TO CONFIRM UNDERGROUND UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO COORDINATE PROPOSED TRANSFORMER LOCATIONS AND ELECTRIC SERVICE WITH POWER COMPANY AND OWNER. TRANSFORMERS AND SERVICE LINES SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS. CONTRACTOR TO CONFIRM PAD AND BOLLARD REQUIREMENTS.
3. CONTRACTOR TO COORDINATE PROPOSED TELEPHONE SERVICE AND ROUTING WITH CABLE COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
4. CONTRACTOR TO COORDINATE PROPOSED GAS SERVICE AND ROUTING WITH GAS COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
5. ALL POTABLE WATER UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO BE FAMILIAR WITH THESE STANDARDS.
6. REFER TO THE CITY OF APOPKA STANDARD NOTES & DETAILS, SHEETS C8.0 – C8.2.
7. REFER TO ORANGE COUNTY STANDARD NOTES AND DETAILS, SHEET C8.3.

GENERAL FIRE SERVICE NOTES:

1. ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SPRINKLER SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION. THE DRAWING SHALL INDICATE THAT ALL UNDERGOUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 (2013 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". [F.A.C. 69A–60.005(2)]
2. ALL FIRE SERVICE MAIN LOCATED DOWNSTREAM OF THE FIRE POINT OF SERVICE SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH APPLICABLE FIRE CODE. CONTRACTOR TO VERIFY REQUIREMENTS WITH THE CITY OF APOPKA PRIOR TO SHOP DRAWING REVIEW.

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C7.1

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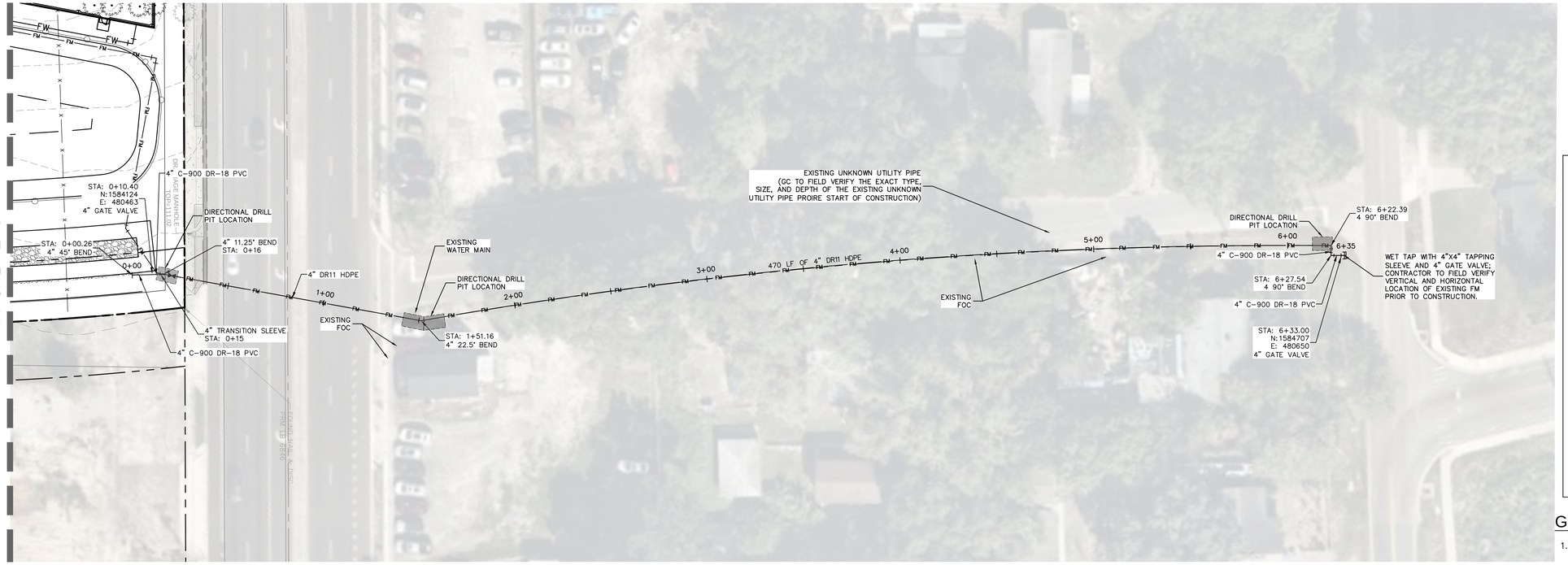
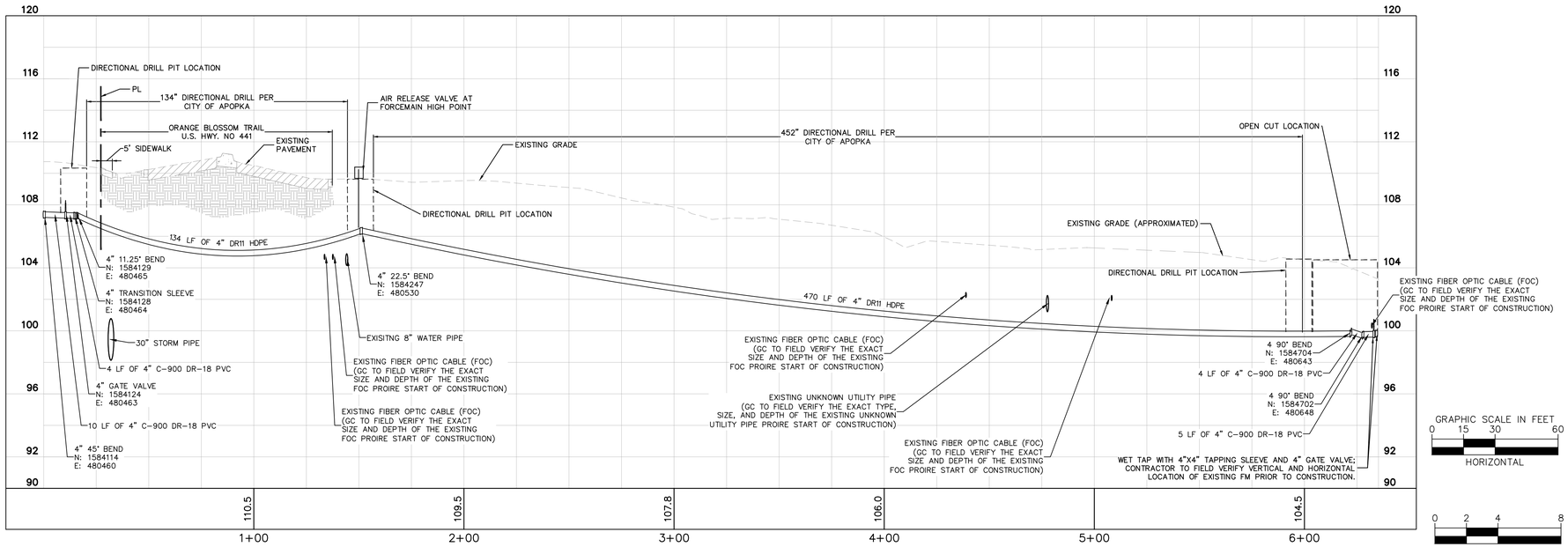
MATCHLINE C7.1







GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY BOUNDARY
- F F PROPOSED FIRE LINE
- W W PROPOSED WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED F.D.C.
- PROPOSED STORM INLET
- S EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM PIPE
- OHU EXISTING OVERHEAD LINE
- GAS EXISTING NATURAL GAS LINE
- RW EXISTING RECLAIM LINE
- FOC EXISTING FIBER OPTIC LINE
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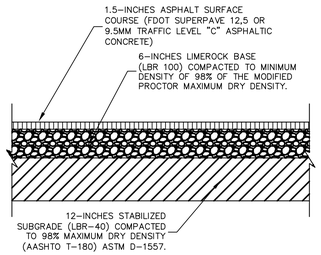
KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

DETAILED UTILITY PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

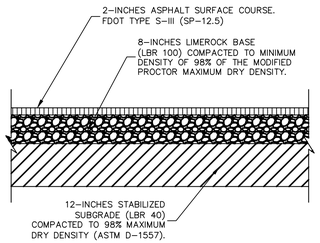
SHEET NUMBER
C7.2



TYPICAL ASPHALT PAVEMENT DETAIL

USED FOR PARKING AREAS ONLY

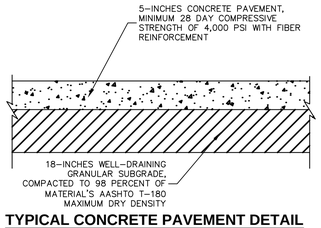
NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY BECHTOL ENGINEERING, DATED JULY 9, 2024.



TYPICAL "HEAVY DUTY" ASPHALT PAVEMENT DETAIL

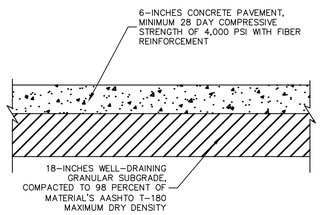
NTS

NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY BECHTOL ENGINEERING, DATED JULY 9, 2024.



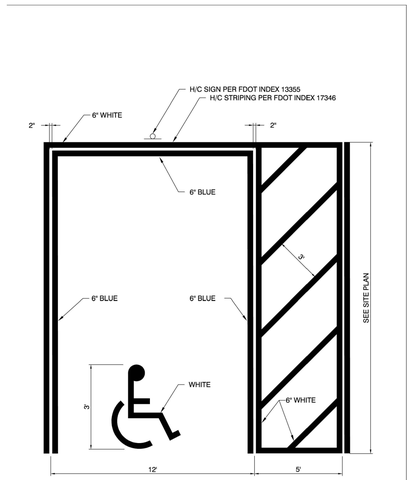
TYPICAL CONCRETE PAVEMENT DETAIL

NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY TERRACON, DATED FEBRUARY 1, 2023.



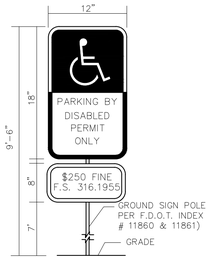
TYPICAL HEAVY-DUTY CONCRETE PAVEMENT DETAIL

NOTE: CONCRETE PAVEMENT SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY TERRACON, DATED FEBRUARY 1, 2023.



HANDICAP PARKING PAVEMENT MARKING

NTS



NOTES:

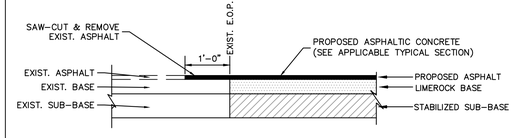
1. ALL LETTERS ARE 1" SERIES "C" PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
5. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
6. INSTALLATION HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24–23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

HANDICAP SIGN DETAIL

N.T.S.

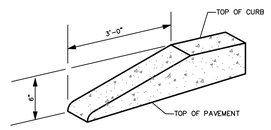
PARKING STOPS DETAIL

N.T.S



NEW ASPHALT PAVEMENT TIE–IN TYPICAL SECTION

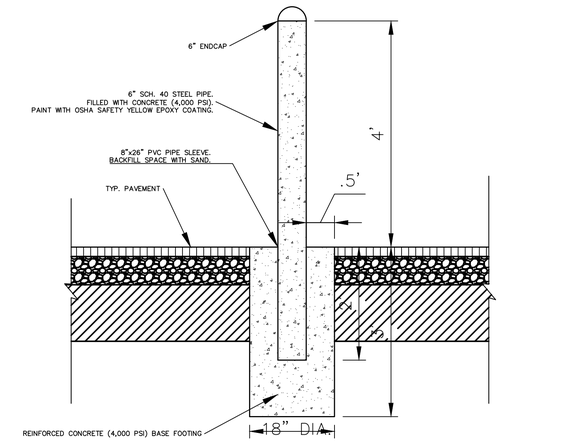
NTS



CURB TERMINUS TRANSITION DETAIL

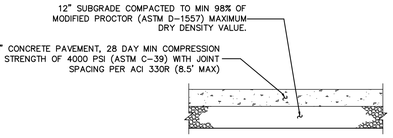
NTS

NOTE:
ALL CURBS TO HAVE STANDARD 3' TRANSITION FROM 6" HEIGHT TO FLUSH (0" HEIGHT). A STANDARD TEMPLATE SHALL BE USED AT ALL LOCATIONS TO PROVIDE UNIFORM CURB TRANSITION THROUGHOUT THE PROJECT.



TYP. BOLLARD DETAIL

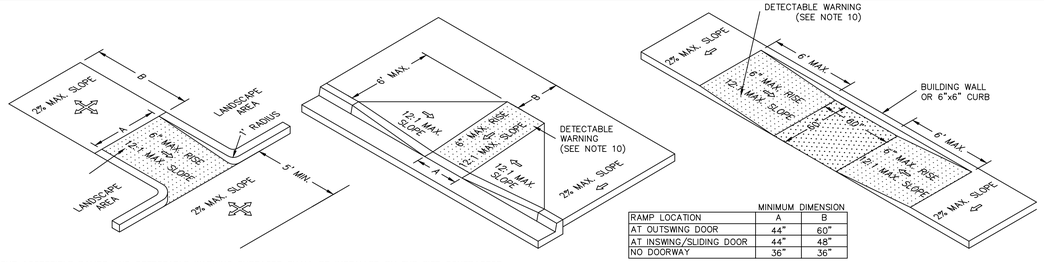
NTS



CONCRETE SIDEWALK DETAIL

NTS

NOTE: CONCRETE SIDEWALK SECTION SHALL MEET THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY BECHTOL ENGINEERING, DATED JULY 9, 2024.



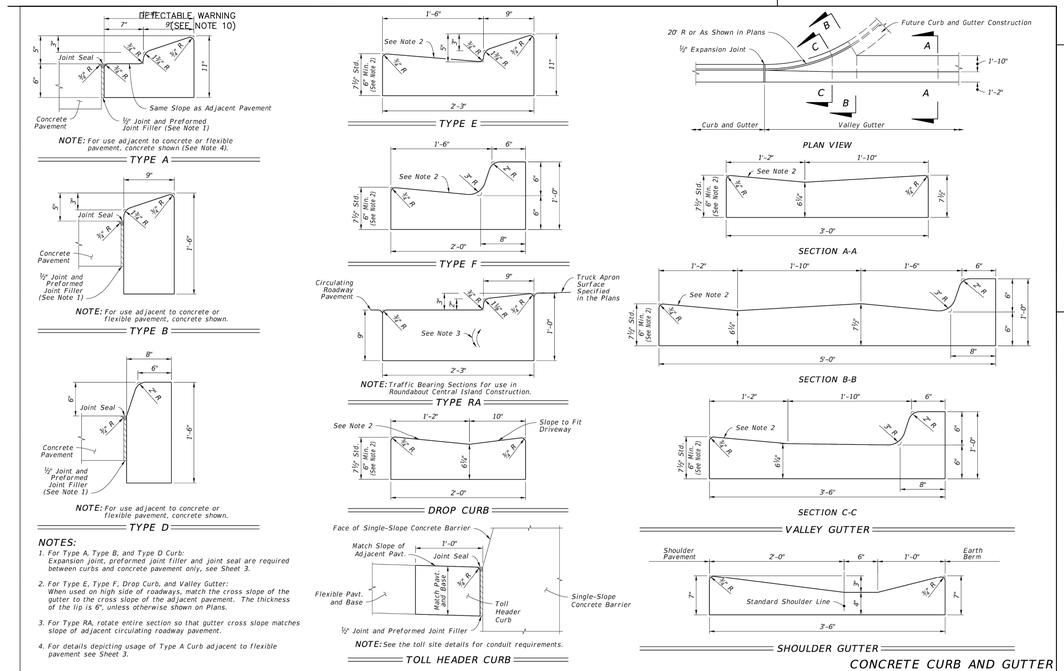
MINIMUM DIMENSION		
RAMP LOCATION	A	B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"

NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE YELLOW. ANY TYPE OF ADHESIVE OR GLUE DOWN MATS; STAMPED CONCRETE OR ANY VARIATION OTHER THAN WHAT IS SPECIFIED ABOVE WILL NOT BE ACCEPTED BY ORANGE COUNTY. ORANGE COUNTY WILL CONSIDER ALTERNATIVES THAT ARE EQUAL TO THE PRODUCTS SPECIFIED ABOVE. COUNTY ENGINEER AND THE CHIEF ENGINEER FOR DEVELOPMENT SERVICES WILL HAVE THE SOLE RESPONSIBILITY FOR DETERMING THE PRODUCT ACCEPTABILITY.
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD INDEX 204, CODE OF FEDERAL REGULATIONS PART 36, AND SJC REQUIREMENTS.

ACCESSIBLE RAMPS

N.T.S



NOTES:

1. For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.
2. For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.
3. For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
4. For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.

NOTE: See the toll site details for conduit requirements.

LAST REVISION	DESCRIPTION:			
11/01/21	REVISION	FY 2023-24 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001 / SHEET 2 of 3

No.	REVISIONS	DATE	BY
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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER C8.0

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:C8.0 GENERAL CONSTRUCTION DETAILS January 15, 2026 01:13:50pm K:\orl-civil\049607003-cold link apopka\CADD\MDP\plansheets\C8.0 - CONSTRUCTION DETAILS.dwg
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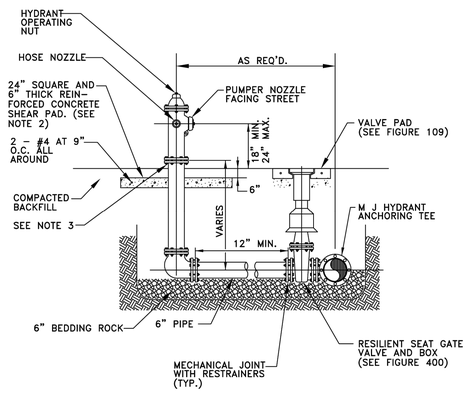
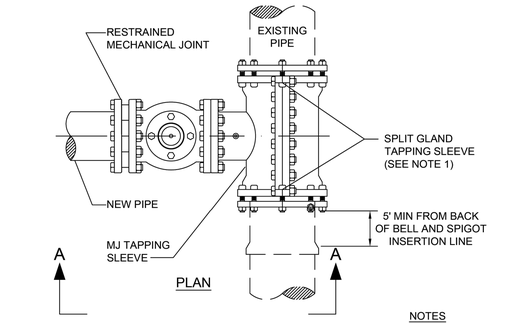


NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402

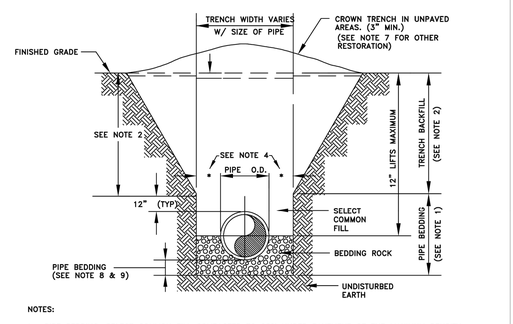


NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

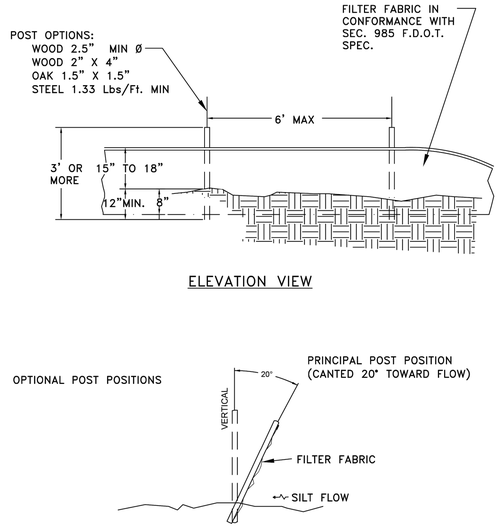


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

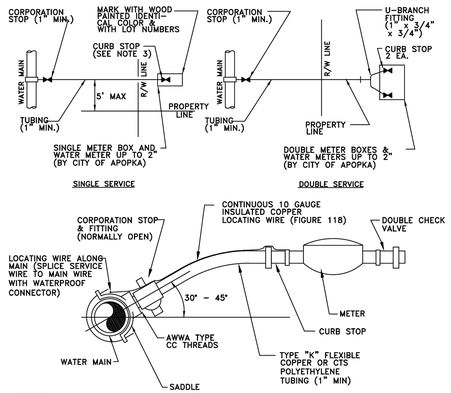
TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101



SILT FENCE INSTALLATION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 602

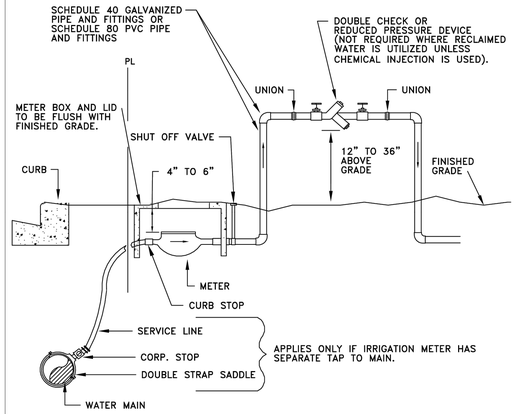


NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405



NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED JUST INSIDE THE ROW LINE OR PROPERTY LINE AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
3. DOUBLE CHECK VALVES MAY BE USED AS LONG AS THEIR ARE NO CHEMICALS OR A WELL ON SITE.
4. A PVB DEVICE SHALL BE 12-INCHES MINIMUM ABOVE HIGHEST OUTLET OR SPRAYHEAD
5. ALL BACKFLOW PREVENTION DEVICES ARE TO BE AWWA APPROVED.

IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C8.1

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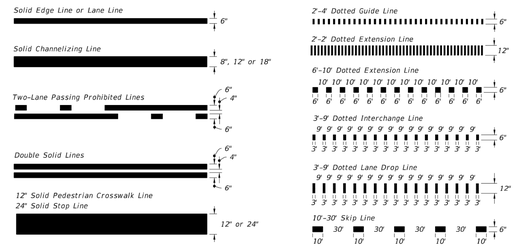
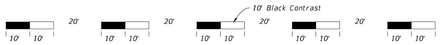
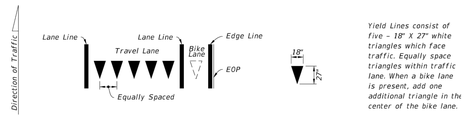


PAVEMENT MARKING LINES



CONTRAST MARKINGS WITH ALTERNATING SKIP PATTERN
(10'-30' Skip Line Shown, Dotted Lines Similar)



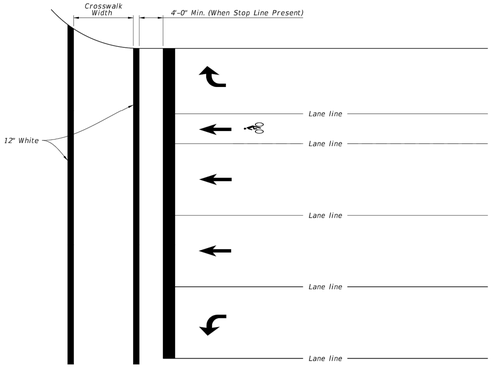
YIELD LINES

LAST REVISION	DESCRIPTION:
11/01/18	

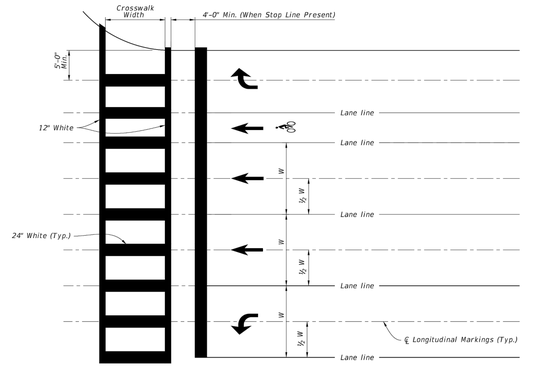
FY 2019-20 STANDARD PLANS

PAVEMENT MARKINGS

INDEX	SHEET
711-001	2 of 13



STANDARD CROSSWALK DETAILS



SPECIAL EMPHASIS CROSSWALK DETAILS

NOTES:

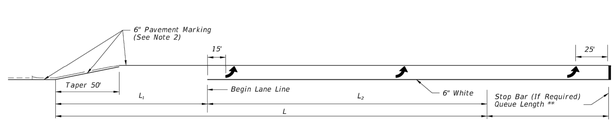
1. For crosswalk width, exceed width of the adjacent sidewalk, but do not make width less than 6' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

LAST REVISION	DESCRIPTION:
11/01/18	

FY 2019-20 STANDARD PLANS

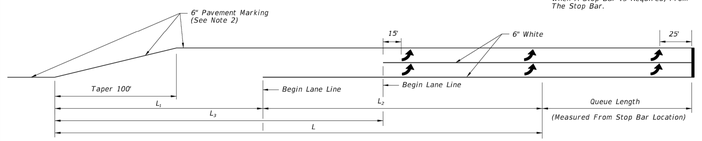
PAVEMENT MARKINGS

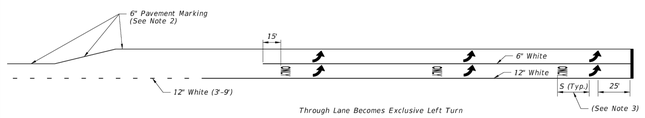
INDEX	SHEET
711-001	10 of 13



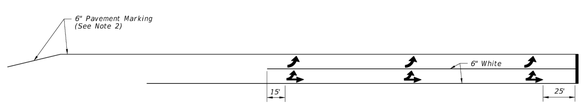
SINGLE LEFT TURNS

** Queue Length Is Measured From The Median Nose Radial Point Or, When A Stop Bar Is Required, From The Stop Bar.





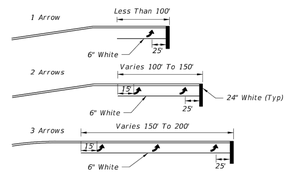
Through Lane Becomes Exclusive Left Turn



Through Lane Becomes Optional Left Turn

DOUBLE LEFT TURNS

Design Speed (mph)	TURN LANES - CURBED AND UNCURBED MEDIANS						
		URBAN CONDITIONS			RURAL CONDITIONS		
	Clearance Distance L_1	Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3	Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3
35	70'	75'	145'	110'	— —	— —	— —
40	80'	75'	155'	120'	— —	— —	— —
45	85'	100'	185'	135'	— —	— —	— —
50	105'	135'	240'	160'	185'	290'	160'
55	125'	— —	— —	— —	225'	350'	195'
60	145'	— —	— —	— —	260'	405'	230'
65	170'	— —	— —	— —	290'	460'	270'



Arrow should be evenly spaced between first and last arrow. Turn lanes longer than 200' add one arrow for each 100' additional length.

ARROW SPACING

NOTES:

1. This Index also applies to right turn lanes.
2. Make pavement marking yellow for left-turn lanes and white for right-turn lanes.
3. See Sheet 1 for "S" value.

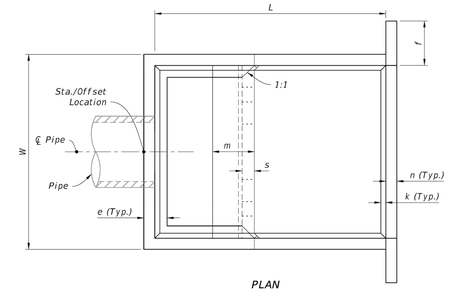
TURN LANE MARKINGS

LAST REVISION	DESCRIPTION:
11/01/18	

FY 2019-20 STANDARD PLANS

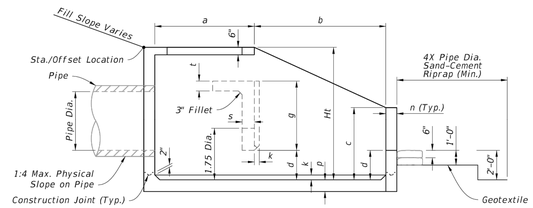
PAVEMENT MARKINGS

INDEX	SHEET
711-001	11 of 13

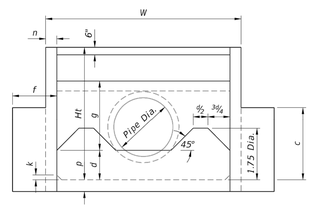


PLAN

Pipe	DIMENSION TABLE																Concrete (CY)	Reinf Steel (lb)	Sand-Cement Riprap (Nom.) (CY)
Dia.	Area (SF)	Feet - Inches										Inches							
		W	Ht	L	a	b	c	d	e	f	g	m	n	p	s	t	k			
30"	4.91	9-0	6-3	10-8	4-7	6-1	3-4	1-4	1-2	2-6	3-0	1-11	6	6½	7	7	3	6.72	736	10.6
36"	7.07	10-5	7-3	12-4	5-3	7-1	3-10	1-7	1-3	3-0	3-6	2-3	7	7½	8	8	3	10.34	1,072	13.6
42"	9.62	11-10	8-0	14-0	6-0	8-0	4-5	1-9	1-6	3-0	3-11	2-6	8	8½	9	8	4	14.82	1,429	17.5
48"	12.57	13-3	9-0	15-8	6-9	8-11	4-11	2-0	1-7	3-0	4-5	2-10	9	9½	10	8	4	20.36	2,000	22.1
54"	15.90	14-8	9-9	17-4	7-4	10-0	5-5	2-2	1-10	3-0	4-11	3-0	10	10½	10	8	4	27.19	2,659	27.2
60"	13.63	16-1	10-9	19-0	8-0	11-0	5-11	2-5	1-11	3-0	5-4	3-4	11	11½	11	8	6	34.49	3,552	32.5
66"	23.76	17-3	11-6	20-6	8-8	11-10	6-5	2-7	2-1	3-0	5-9	3-7	12	12½	12	8	6	42.82	4,472	38.3
72"	28.27	18-6	12-3	22-0	9-3	12-9	6-11	2-9	2-3	3-0	6-2	3-9	12	12½	12	8	6	50.68	5,426	44.5



ELEVATION



FRONT VIEW

DIMENSIONAL DETAILS

DIMENSIONAL DETAILS

LAST REVISION	DESCRIPTION:
11/01/23	

FY 2025-26 STANDARD PLANS

U-TYPE CONCRETE ENDWALLS
ENERGY DISSIPATOR 30" TO 72" PIPE

INDEX	SHEET
430-012	2 of 3

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

GENERAL CONSTRUCTION DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C8.2

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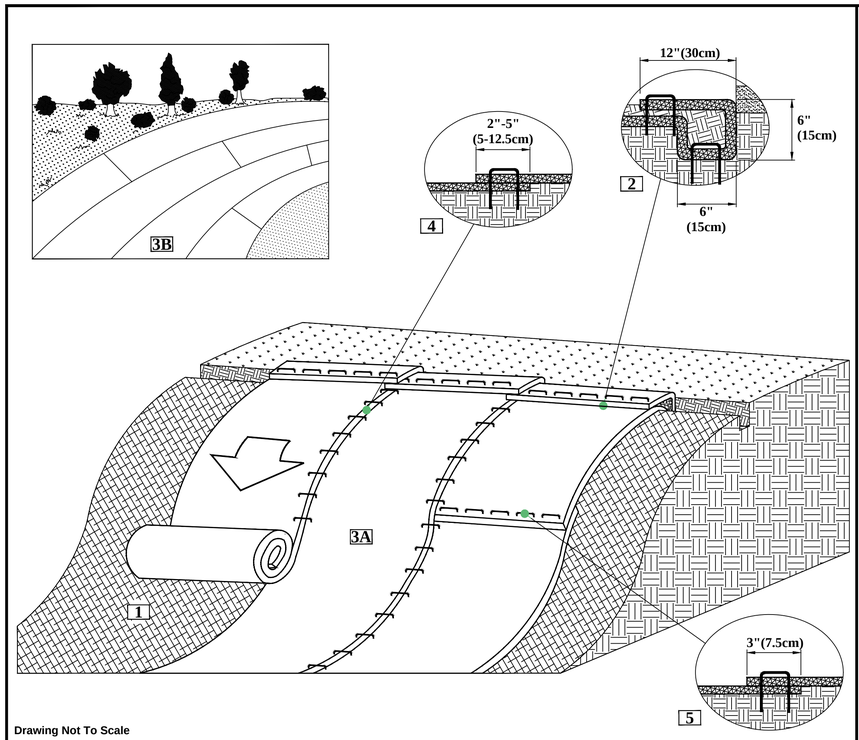


Drawing Not To Scale

SLOPE INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12" (30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12"(30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12"(30cm) apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel RECPs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the RECPs type.
5. Consecutive RECPs spliced down the slope must be end over end (Shingle style) with an approximate 3"(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire RECPs width.

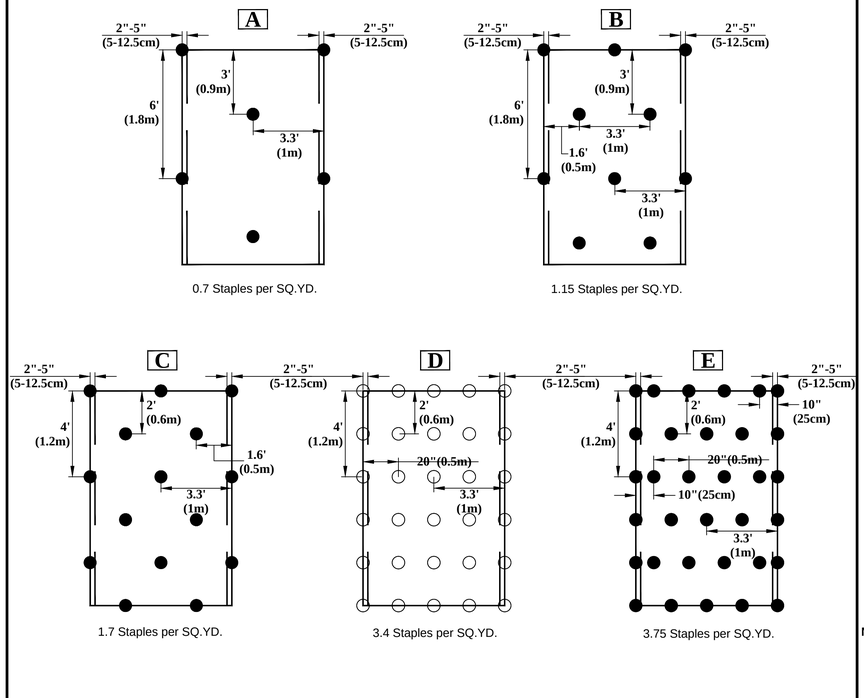
*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECP's.

NORTH AMERICAN GREEN

5401 St. Wendel - Cynthiana Rd. PH: 800-772-2040
Poseyville, IN 47633 www.nagreen.com

Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17



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Drawn on: 5-4-17

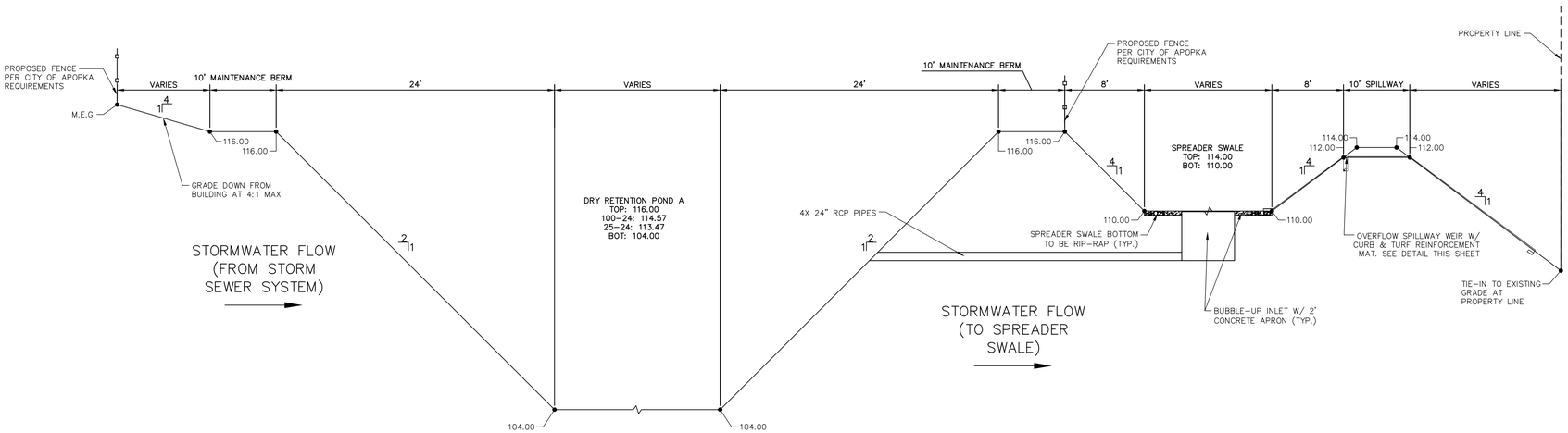
STAPLE PATTERN GUIDE

- 4:1 Slopes (A)
- 3:1 Slopes (B)
- 2:1 Slopes (C)
- 1:1 & Steeper Slopes (D)
- Medium/High Flow Channel (D)
- High Flow Channel And Shoreline (E)

NOTES:

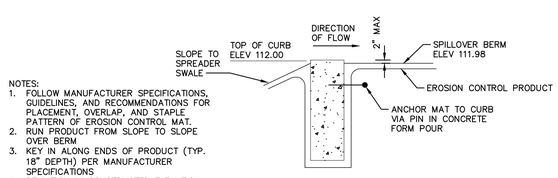
* Use ECMDS© for more accurate staple pattern selection.

Drawing Not To Scale



COMBINATION IN-SERIES DRY RETENTION POND AND SPREADER SWALE TYPICAL SECTION

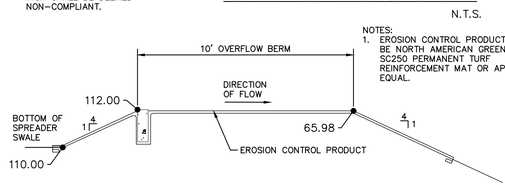
N.T.S.



NOTES:
1. FOLLOW MANUFACTURER SPECIFICATIONS, GUIDELINES, AND RECOMMENDATIONS FOR PLACEMENT, OVERLAP, AND STAPLE PATTERN OF EROSION CONTROL MAT.
2. RUN PRODUCT FROM SLOPE TO SLOPE OVER BERM
3. KEY IN ALONG ENDS OF PRODUCT (TYP. 18" DEPTH) PER MANUFACTURER SPECIFICATIONS
4. DEVIATION IN CONSTRUCTED ELEVATION TO DESIGN ELEVATION IN EXCESS OF ½" INCH SHALL BE DEEMED NON-COMPLIANT.

OVERFLOW BERM CURB DETAIL

N.T.S.



NOTES:
1. EROSION CONTROL PRODUCT SHALL BE NORTH AMERICAN GREEN VMAX SC250 PERMANENT TURF REINFORCEMENT MAT OR APPROVED EQUAL.

OVERFLOW BERM DETAIL

N.T.S.

No.	REVISIONS	DATE	BY
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KHA PROJECT 049607003
DATE 12/02/2025
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CHECKED BY JME

DRAINAGE DETAILS

APOPKA COLD STORAGE
FLORIDA
APOPKA

SHEET NUMBER
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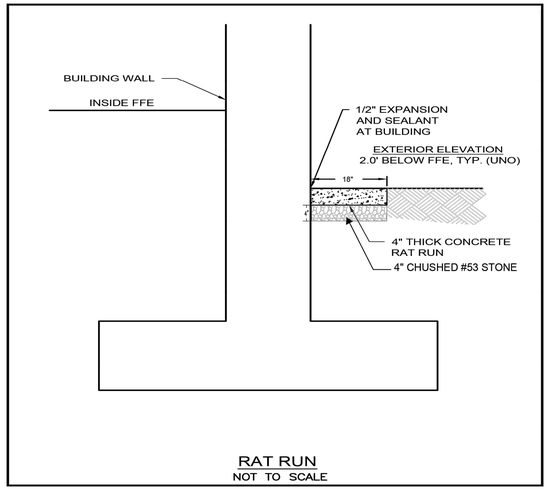
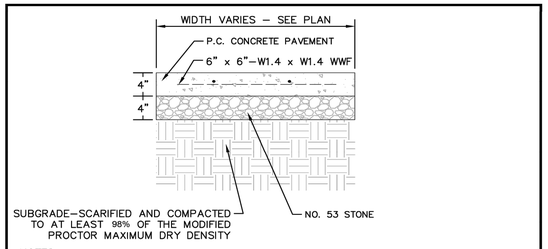


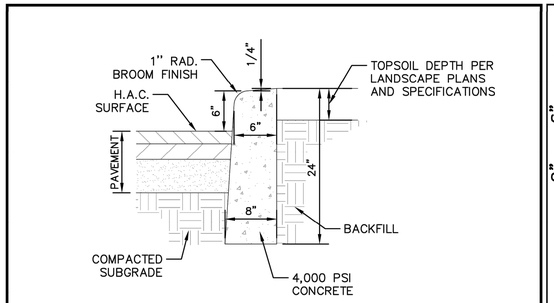
RAT RUN
NOT TO SCALE



NOTES:

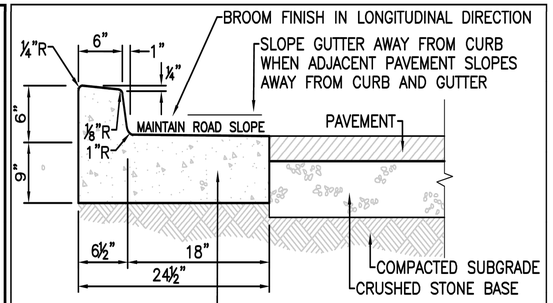
1. ALL SIDEWALK SHALL BE CONSTRUCTED WITH CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 14 DAYS.
2. PROVIDE 1/2" EXPANSION JOINTS AT 20', MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 12" CENTERS, 6" FROM EDGE.
3. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
4. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE
5. USE 2–#4 REINFORCING BARS, 10' LONG OVER ALL UTILITY TRENCHES FOR NEW SIDEWALK AND CONNECTIONS TO EXISTING SIDEWALK.
6. AT DRIVE APPROACHES, SIDEWALK PCC AND BASE THICKNESS SHALL MATCH THAT OF THE DRIVE.

CONCRETE SIDEWALK
N.T.S.



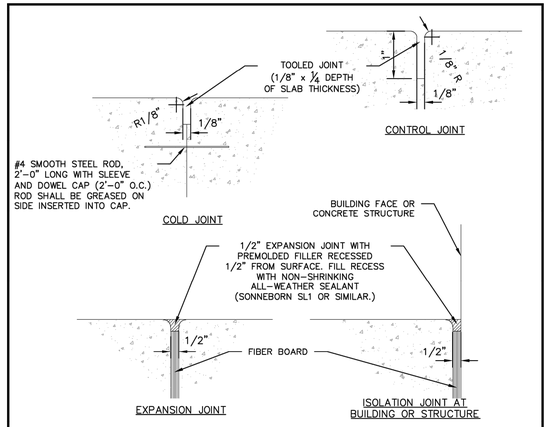
NOTE:
INSTALL JOINTS EVERY 15' AND ALIGN WITH SIDEWALK JOINTS WHERE ADJACENT TO SIDEWALK.

CONCRETE CURB
N.T.S.

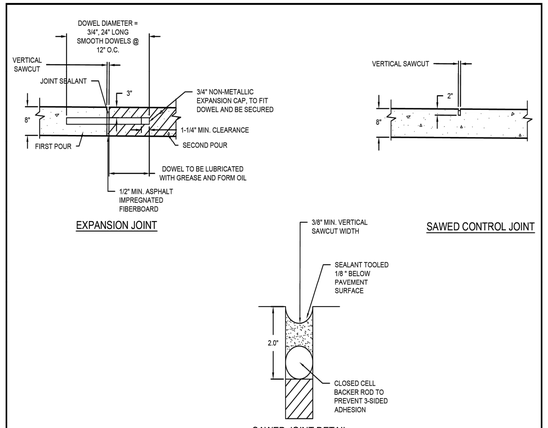


NOTE:
PROVIDE CONTRACTION JOINTS AT 20' INTERVALS AND 1" PREFORMED EXPANSION JOINTS AT 100' INTERVALS

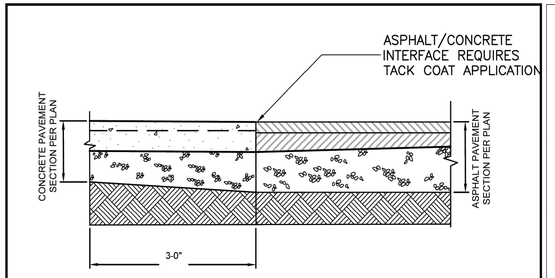
CONCRETE CURB & GUTTER
NOT TO SCALE



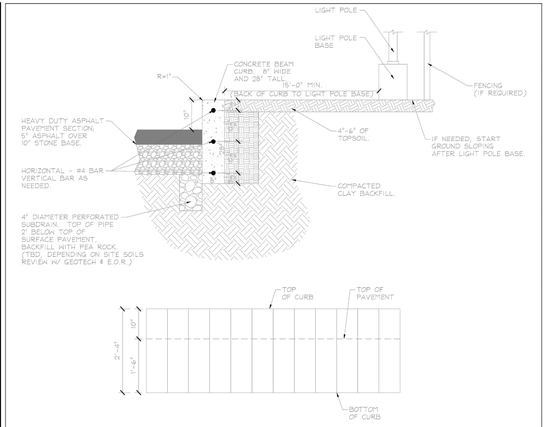
TYPICAL CONCRETE JOINT DETAILS
N.T.S.



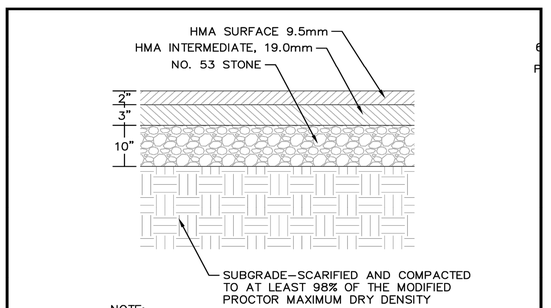
CONCRETE PAVEMENT JOINT DETAILS
NOT TO SCALE



ASPHALT/CONCRETE INTERFACE
NOT TO SCALE



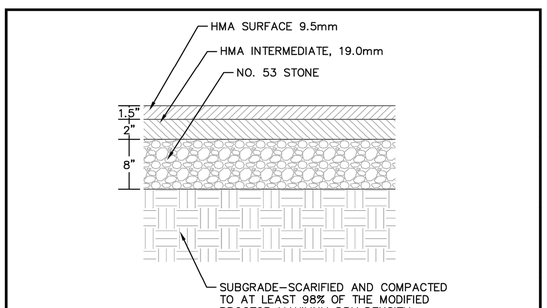
TC STANDARD - 10" HD TRUCK CURB
SCALE: NO SCALE
(REVIEW LOCATION FOR THIS DETAIL W/ CIVIL E.O.R.)



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

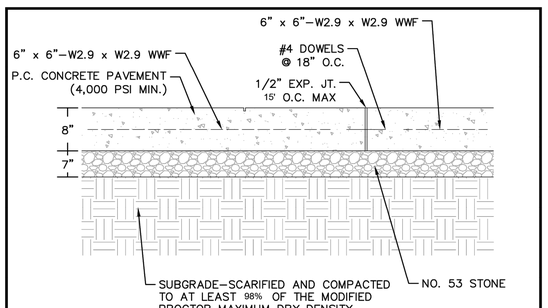
HEAVY DUTY ASPHALT PAVEMENT SECTION
N.T.S.



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

STANDARD DUTY ASPHALT PAVEMENT SECTION
N.T.S.



NOTE:

1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

HEAVY DUTY CONCRETE PAVEMENT SECTION
N.T.S.

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CIVIL STANDARD DETAILS

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C8.2

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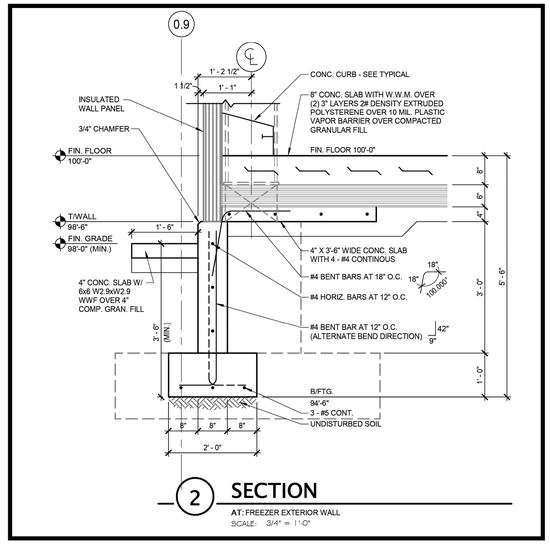
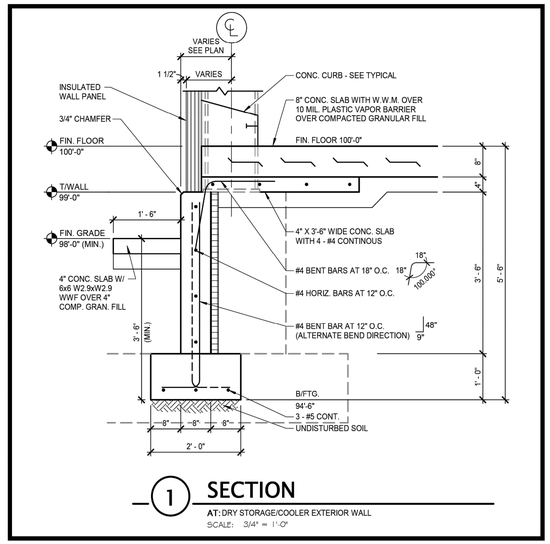


2 **SECTION**

AT: FREEZER EXTERIOR WALL

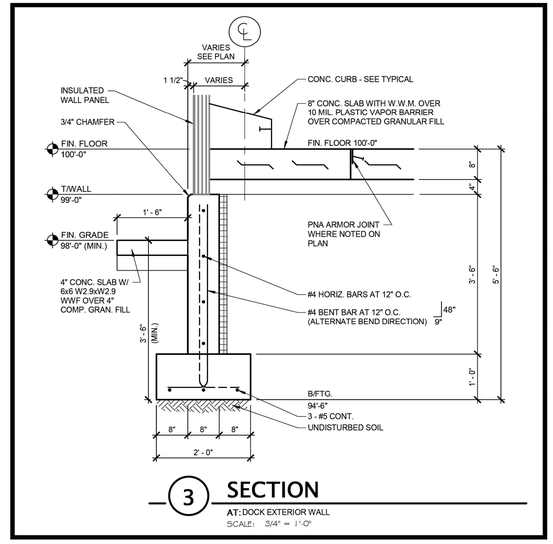
SCALE: 3/4" = 1'-0"



1 **SECTION**

AT: DRY STORAGE/COOLER EXTERIOR WALL

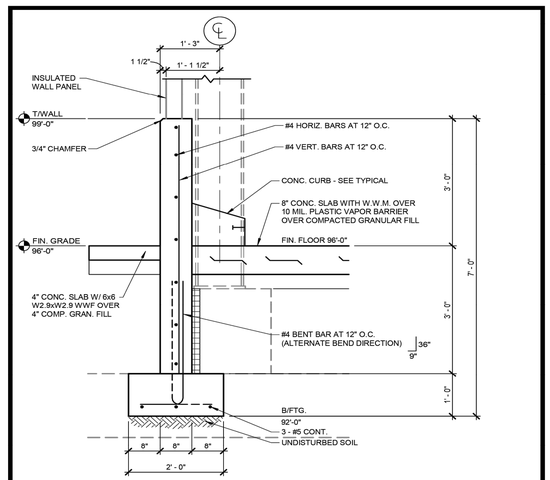
SCALE: 3/4" = 1'-0"



3 **SECTION**

AT: DOCK EXTERIOR WALL

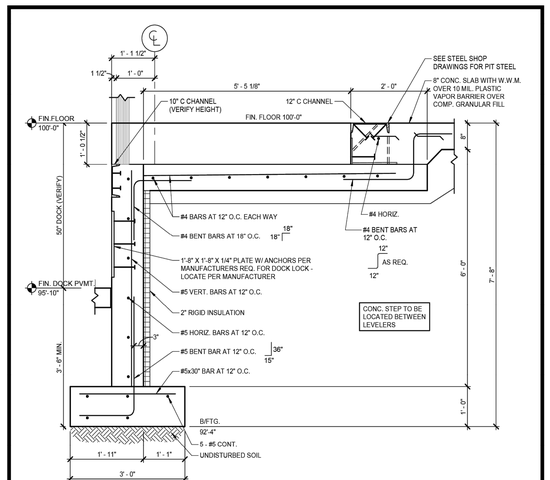
SCALE: 3/4" = 1'-0"



11 **SECTION**

AT: MACHINE ROOM EXTERIOR WALL

SCALE: 3/4" = 1'-0"



4 **SECTION**

AT: DOCK CONTINUOUS PIT BETWEEN LEVELERS

SCALE: 3/4" = 1'-0"

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CIVIL STANDARD DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C8.2

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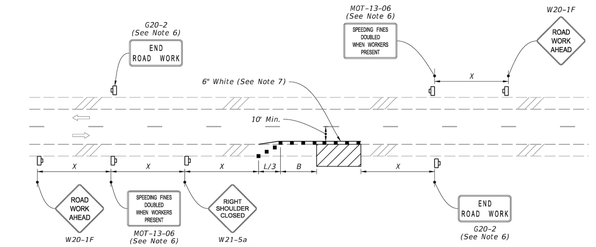
9/10/2024 10:45:37 AM

NOTE:

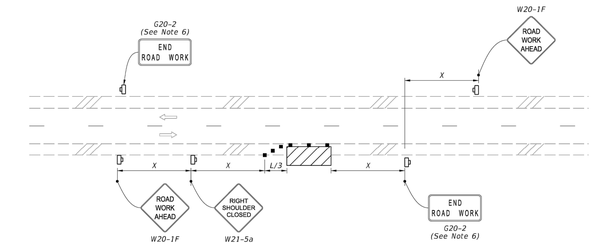
1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	DESCRIPTION:	FDOT FY 2025-26 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/21	REVISION			102-602	1 of 2

9/10/2024 10:46:28 AM

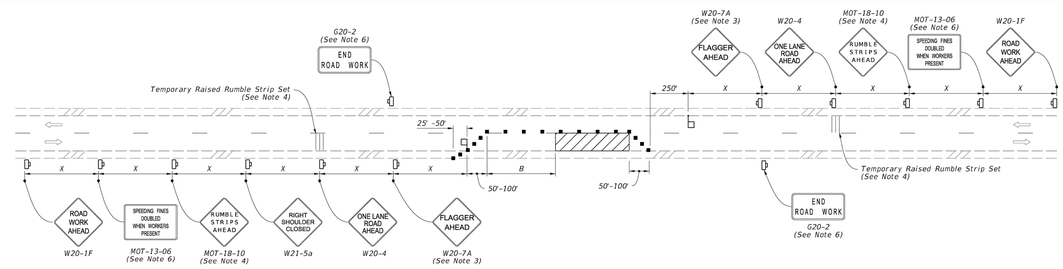
NOTES:

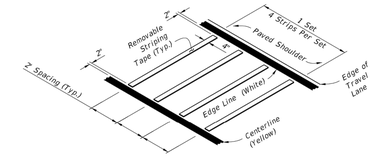
1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicle
   c. Pilot vehicles
   d. Traffic signals

   When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
8. Railroad Crossings:
   a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
   b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

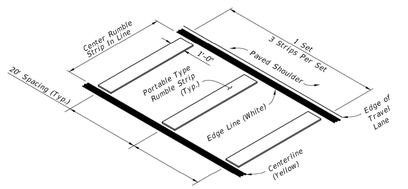
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification and Direction of Traffic





OPTION - 1
REMOVABLE STRIPING TYPE



OPTION - 2
PORTABLE TYPE

RUMBLE STRIP SETS

LAST REVISION	DESCRIPTION:	FDOT FY 2025-26 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/21	REVISION			102-603	1 of 2

No.	DATE	BY
3	01/09/2026	JLM
2	12/02/2025	ARP
1	12/02/2025	AG
	REVISIONS	

3 APOPKA MDP PLANNING COMMENTS
2 SJRWMD COMMENTS DATED 2025/11/05
1 CITY COMMENTS DATED 2025/11/04

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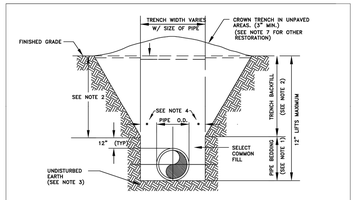
KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

MOT DETAILS

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
C8.6

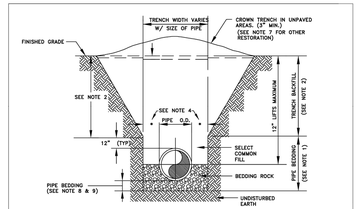


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS TO AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETERS LESS THAN 24", AND 24" FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.
8. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100

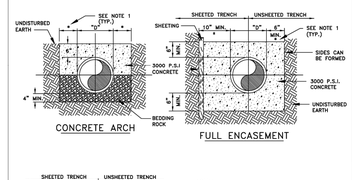


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101



NOTES:

1. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND OVER. FOR CONCRETE ARCH, THE MIN. WIDTH SHALL BE EQUAL TO OUTSIDE DIAMETER OF PIPE.
2. "D" REFERS TO THE DIAMETER OF THE PIPE.
3. "T" REFERS TO THE THICKNESS OF THE PIPE.
4. THE NEED FOR CONCRETE ARCH/ HALF ENCASEMENT OR FULL ENCASEMENT TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
5. ENDS OF ENCASEMENT SHALL BE FORMED, AND LOCATIONS SHALL BE INDICATED ON RECORD DRAWINGS.

CONCRETE ARCH AND ENCASEMENT DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 102

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *											
	PIPE SIZE										
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND	33	43	51	60							
45° BEND	14	18	22	25							
22-1/2° BEND	7	9	11	12							
11-1/4° BEND	4	5	6	6							
TEE**	1	7	24	44							
REDUCER (ONE SIZE SMALLER)		41	39	40							
DEAD END	74	96	115	136							

* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, FOR PVC WITH THE FOLLOWING ASSUMPTIONS:
   TYPE OF PIPE:_____PVC_____
   WORKING PRESSURE:_____150_____P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:_SM(SAND& SILT)_____ WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:_____3_____
6. FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
7. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *											
	PIPE SIZE										
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND					61	67	73	84	100	114	
45° BEND					26	28	31	35	42	48	
22-1/2° BEND					13	14	15	17	20	23	
11-1/4° BEND					6	7	8	9	10	12	
TEE**					52	62	74	95	124	152	
REDUCER (ONE SIZE SMALLER)					48	25	25	47	66	66	
DEAD END					111	123	135	157	188	218	

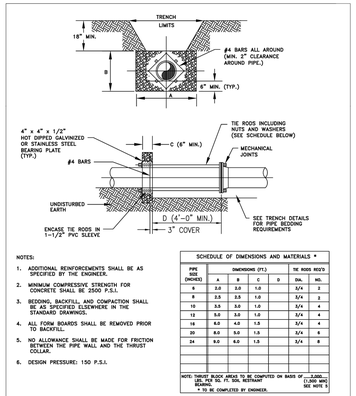
* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
   TYPE OF PIPE:_____
   WORKING PRESSURE:_____150_____P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:_____SM(SAND& SILT)_____ WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:_____3_____
6. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (DI)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 106



NOTES:

1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 2500 P.S.I.
3. BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 P.S.I.

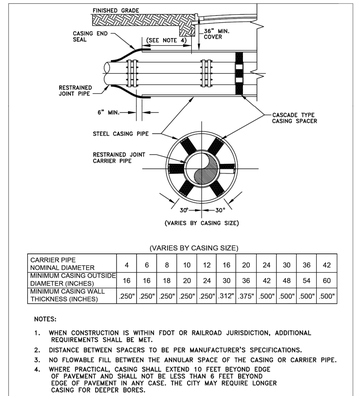
SCHEDULE OF DIMENSIONS AND MATERIALS *

PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	DIA.	NO.
6	2.0	2.0	1.0		3/4	2
8	2.5	2.5	1.0		3/4	2
10	3.5	3.0	1.0		3/4	4
12	5.0	3.0	1.0		3/4	4
16	6.0	4.0	1.5		3/4	4
20	8.0	5.0	1.5		3/4	6
24	9.0	6.0	1.5		3/4	8

NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF ____ P.S.I. TEST PRESSURE, 90% SOIL RESTRAINT DESIRED. SEE NOTE 6
* TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 107



(VARIES BY CASING SIZE)

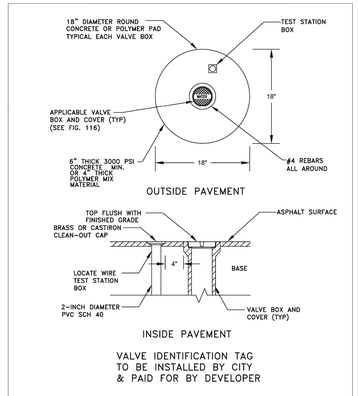
CARRIER PIPE NOMINAL DIAMETER	4	6	8	10	12	16	20	24	30	36	42
MINIMUM CASING OUTSIDE DIAMETER (INCHES)	16	16	18	20	24	30	36	42	48	54	60
MINIMUM CASING WALL THICKNESS (INCHES)	.250"	.250"	.250"	.250"	.250"	.312"	.375"	.500"	.500"	.500"	.500"

NOTES:

1. WHEN CONSTRUCTION IS WITHIN FDOT OR RAILROAD JURISDICTION, ADDITIONAL REQUIREMENTS SHALL BE MET.
2. DISTANCE BETWEEN SPACERS TO BE PER MANUFACTURER'S SPECIFICATIONS.
3. NO FLOWABLE FILL BETWEEN THE ANNULAR SPACE OF THE CASING OR CARRIER PIPE.
4. WHERE PRACTICAL, CASING SHALL EXTEND 10 FEET BEYOND EDGE OF PAVEMENT AND SHALL NOT BE LESS THAN 6 FEET BEYOND EDGE OF PAVEMENT IN ANY CASE. THE CITY MAY REQUIRE LONGER CASING FOR DEEPER BORES.

BORING AND JACKING DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 108



VALVE IDENTIFICATION TAG
TO BE INSTALLED BY CITY
& PAID FOR BY DEVELOPER

VALVE BOX

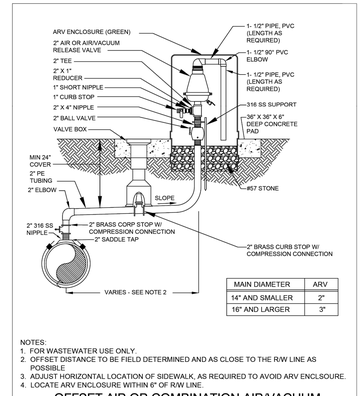
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 109

MINIMUM PRESSURE RATING								
PSI	DI FITTINGS		PIPE MATERIAL*			GATE VALVE**		FORCEMAIN*
	≤24"	>24"	PVC	DI	HDPE	≤12"	>12"	PVC	HDPE
100								●	●
150			●		●		●		
200						●			
250		●		●					
350	●								

* PVC SHALL HAVE A MAXIMUM DIMENSION RATIO (DR) OF 18 AND HDPE SHALL BE MAX DR11. FORCEMAIN: PVC SHALL BE MAX DR18 UNLESS DESIGN REQUIRES OTHERWISE AND HDPE SHALL BE MAX DR17.
** BUTTERFLY VALVES SHALL BE CLASS 150B

PIPE AND APPURTENANCES PRESSURE RATING

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 110

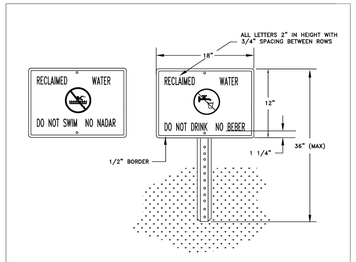


MAIN DIAMETER	ARV
14" AND SMALLER	2"
16" AND LARGER	3"

NOTES:
1. FOR WASTEWATER USE ONLY.
2. OFFSET DISTANCE TO BE FIELD DETERMINED AND AS CLOSE TO THE R/W LINE AS POSSIBLE.
3. ADJUST HORIZONTAL LOCATION OF SIDEWALK, AS REQUIRED TO AVOID ARV ENCLSOURE.
4. LOCATE ARV ENCLOSURE WITHIN 6" OF R/W LINE.

OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - WASTEWATER ONLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 114

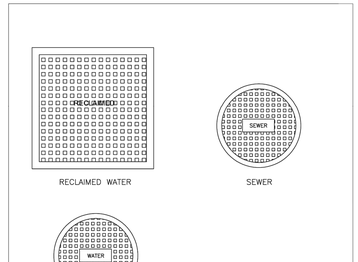


NOTES:

1. HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
2. BACKGROUND SHALL BE WHITE, LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
3. ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
4. POST SHALL BE U CHANNEL 12 FT. 2 LB. HOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, HOT DIP GALVANIZED PER ASTM A-123.
5. MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
6. SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

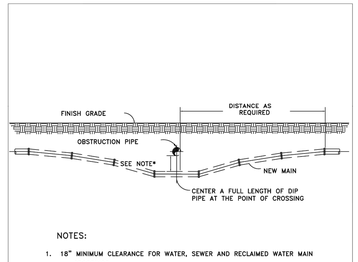
RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 115



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116



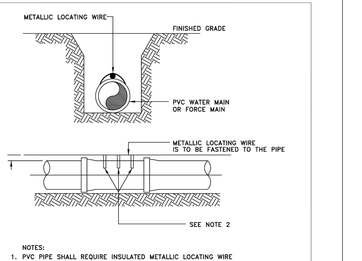
NOTES:

1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

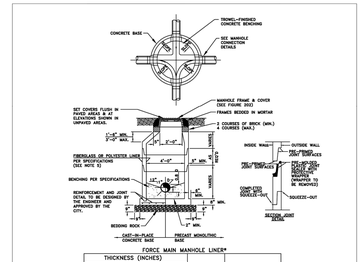


NOTES:

1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE – 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118



FORCE MAIN MANHOLE LINER*

DIAMETER (INCHES)	THICKNESS (INCHES) HEIGHT (FEET) 3-6	7-12	13-17	MATERIAL	MANUFACTURER
48					
60					
72					

* TO BE COMPLETED BY THE ENGINEER

NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24". SEE SECTION 20.4 OF THE MANUAL FOR MANHOLE DIAMETER FOR SEWERS LARGER THAN 24".
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
3. THE THICKNESS OF THE LINER SHALL BE 3/8" MINIMUM.
4. EACH BENCH WALL SHALL BE A MINIMUM OF 18 INCHES LONG FROM THE WALL OF THE MANHOLE TOWARD THE CENTER.
5. SANITARY SEWER MANHOLES MAY BE REQUIRED TO BE LINED IN ACCORDANCE WITH THE CITY OF APOPKA LIST OF APPROVED MATERIALS AND PRODUCTS AS DIRECTED BY THE CITY.

TYPICAL MANHOLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CITY OF APOPKA DETAILS

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C8.7

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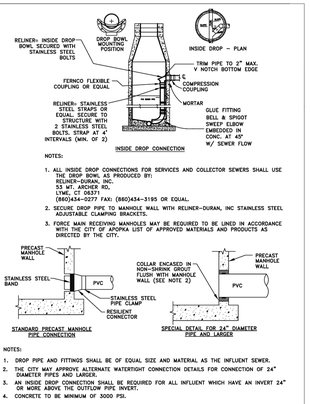
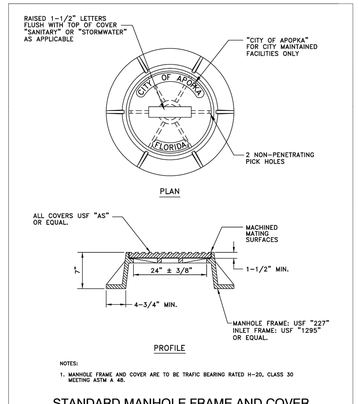


NOTES:

1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. THE CITY MAY APPROVE ALTERNATE WATERTIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
3. AN INSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 24" OR MORE ABOVE THE OUTFLOW PIPE INVERT.
4. CONCRETE TO BE MINIMUM OF 3000 PSI.

MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 201

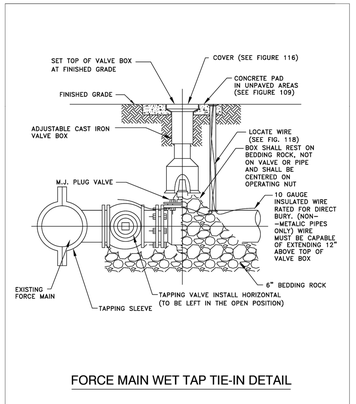


NOTES:

1. MANHOLE FRAME AND COVER ARE TO BE TRAFIC BEARING RATED H-20, CLASS 30 MEETING ASTM A 48.

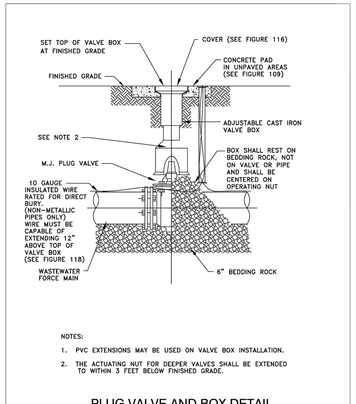
STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202



FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

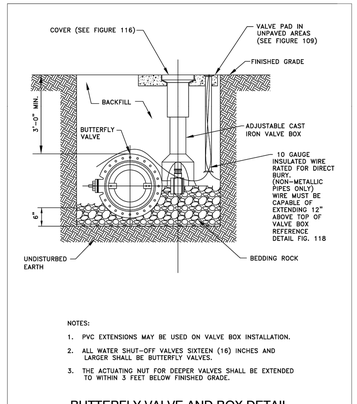


NOTES:

1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

PLUG VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400 A

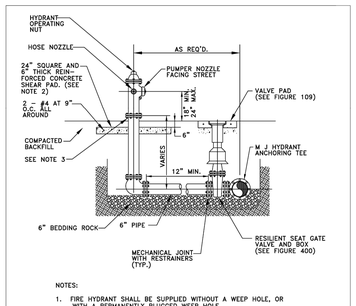


NOTES:

1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. ALL WATER SHUT-OFF VALVES SIXTEEN (16) INCHES AND LARGER SHALL BE BUTTERFLY VALVES.
3. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

BUTTERFLY VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 401

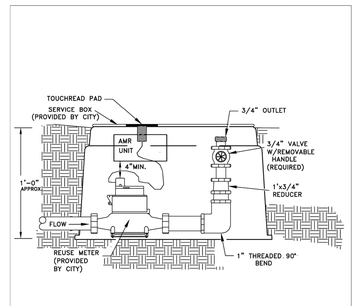


NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

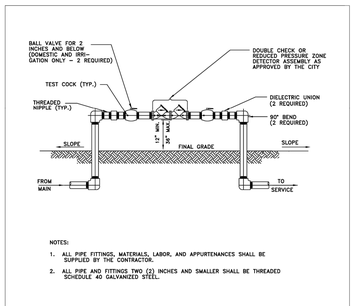
FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402



RECLAIMED WATER SERVICE CONNECTION
(FOR SERVICES W/O AN IRRIGATION SYSTEM)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 506

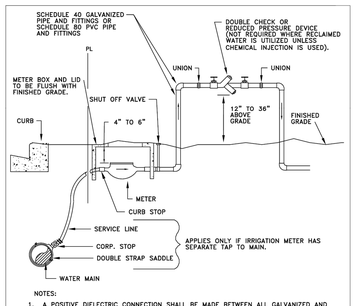


NOTES:

1. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
2. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL.

DOUBLE CHECK OR REDUCED PRESSURE ZONE DETECTOR ASSEMBLY
2 INCH AND BELOW ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 A

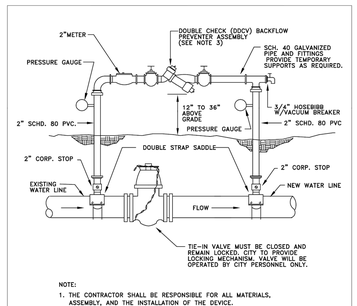


NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED JUST INSIDE THE ROW LINE OR PROPERTY LINE, AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
3. DOUBLE CHECK VALVES MAY BE USED AS LONG AS THEIR ARE NO CHEMICALS OR A WELL ON SITE.
4. A PVB DEVICE SHALL BE 12-INCHES MINIMUM ABOVE HIGHEST OUTLET OR SPRAYHEAD
5. ALL BACKFLOW PREVENTION DEVICES ARE TO BE AWWA APPROVED.

IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502

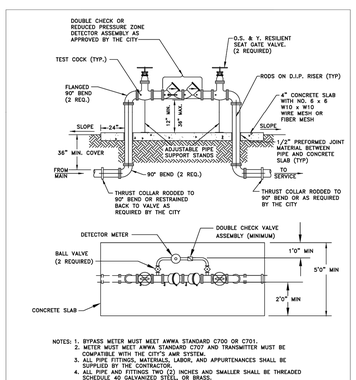


NOTE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, ASSEMBLY, AND THE INSTALLATION OF THE DEVICE.
2. SEE FIGURE 504C FOR PROCEDURES.
3. DDCV IS MINIMUM PROTECTION REQUIRED. A RPZ DEVICE MAY BE REQUIRED DEPENDING ON PROJECT. PROVIDE COPY OF LATEST CERTIFICATION TEST RESULTS.

TEMPORARY JUMPER CONNECTION

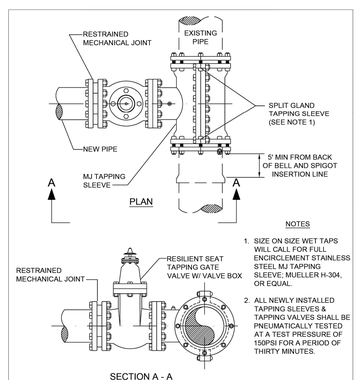
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A



NOTES: 1. BYPASS METER MUST MEET AWWA STANDARD C700 OR C701.
2. METER MUST MEET AWWA STANDARD C707 AND TRANSMITTER MUST BE COMPATIBLE WITH THE CITY'S AMR SYSTEM.
3. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
4. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL, OR BRASS.

ABOVE GROUND DEVICE WITH DETECTOR BY-PASS
2 INCH AND ABOVE ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 B

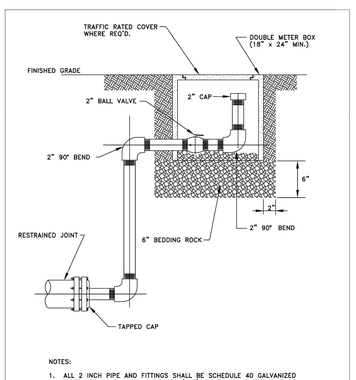


NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

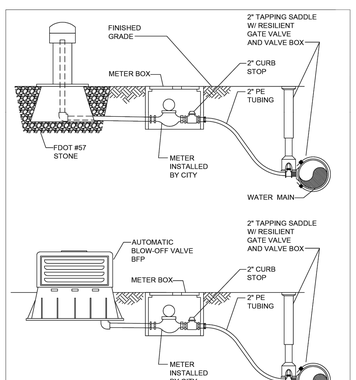


NOTES:

1. ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
2. COLOR SHALL BE APPROPRIATE FOR USE.

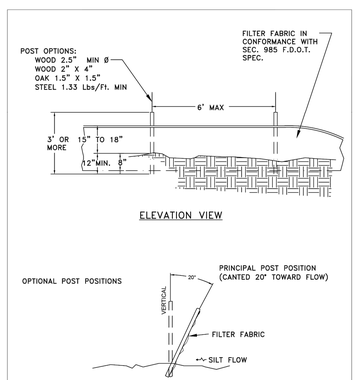
BLOWOFF VALVE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403



BLOW OFF VALVE DETAIL (AUTOMATIC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403 A



SILT FENCE INSTALLATION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 602

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NO.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

CITY OF APOPKA DETAILS

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C8.8

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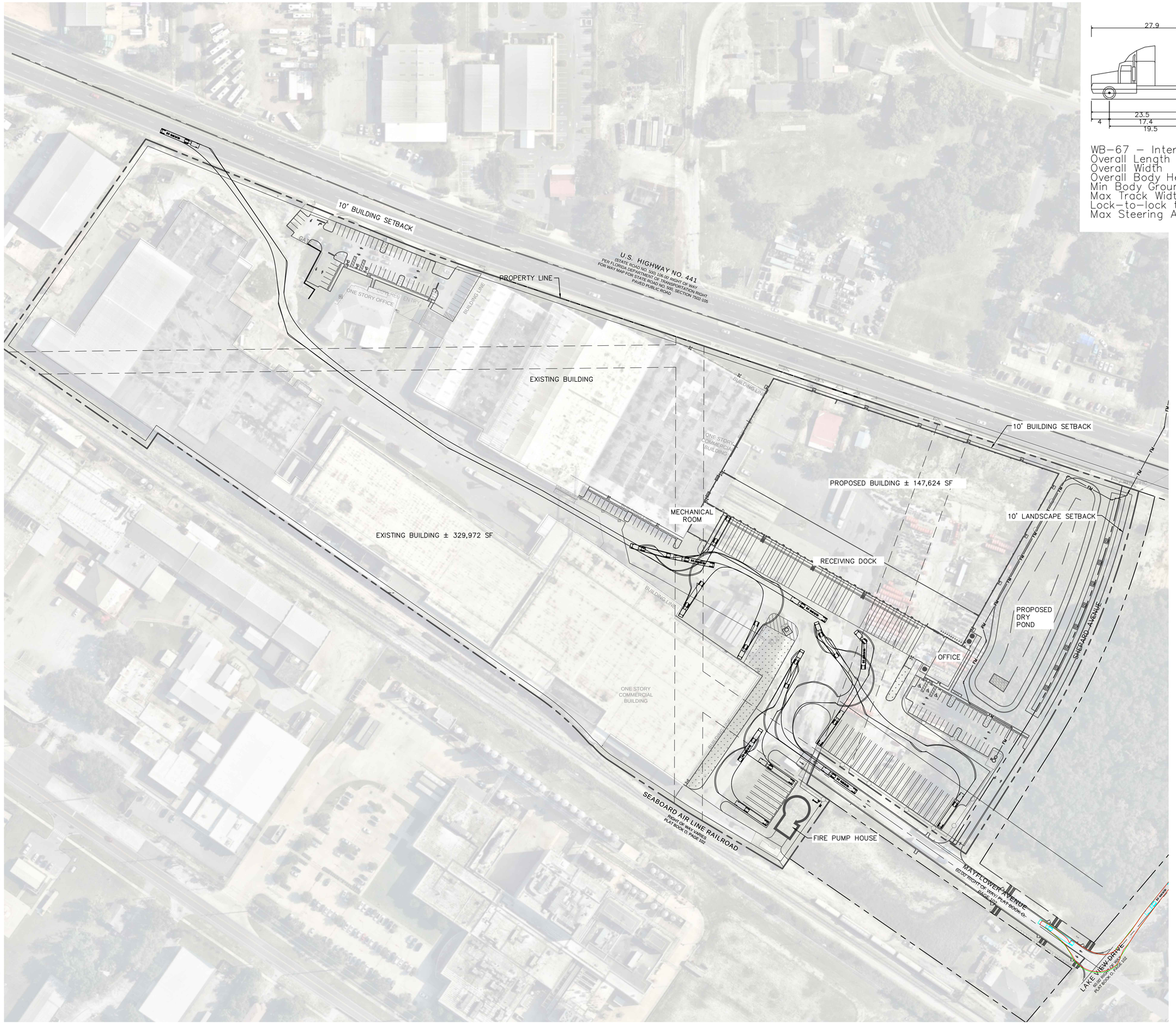

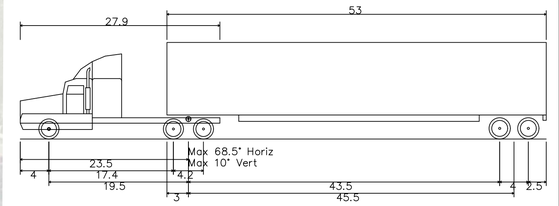

WB–67 – Interstate Semi–Trailer

Overall Length	73.501ft
Overall Width	8.500ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock–to–lock time	6.00s
Max Steering Angle (Virtual)	28.40°

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

No.	REVISIONS	DATE	BY
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

WB-67 TRUCK ROUTING

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C9.0

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Pumper Fire Truck	
Overall Length	40.000ft
Overall Width	8.167ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.656ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

10' BUILDING SETBACK

U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT-OF-WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAP FOR STATE ROAD NO. 500, SECTION 7602-105
PAVED PUBLIC ROAD

PROPERTY LINE

EXISTING BUILDING

ONE STORY OFFICE

BUILDING LINE

EXISTING BUILDING ± 329,972 SF

ONE STORY COMMERCIAL BUILDING

PROPOSED BUILDING ± 147,624 SF

MECHANICAL ROOM

RECEIVING DOCK

10' LANDSCAPE SETBACK

PROPOSED DRY POND

SHEPARD AVENUE

OFFICE

FIRE PUMP HOUSE

SEABOARD AIR LINE RAILROAD
RIGHT-OF-WAY VARIES
PLAT BOOK O, PAGE 102

MAYFLOWER AVENUE
60.00' RIGHT-OF-WAY PLAT BOOK O,

LAKE VIEW DRIVE
50.00' RIGHT-OF-WAY
PLAT BOOK O, PAGE 102

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/09/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

FIRE TRUCK ROUTING

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
C9.0

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10' BUILDING SETBACK

U.S. HIGHWAY NO. 441
(STATE ROAD NO. 500) 106.00' RIGHT-OF-WAY
PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT
FOR WAY MAP FOR STATE ROAD NO. 500, SECTION 7502-105
PAVED PUBLIC ROAD

PROPERTY LINE

EXISTING BUILDING

EXISTING BUILDING ± 329,972 SF

ONE STORY OFFICE

BUILDING LINE

ONE STORY COMMERCIAL BUILDING

PROPOSED BUILDING ± 147,624 SF

10' BUILDING SETBACK

MECHANICAL ROOM

10' LANDSCAPE SETBACK

RECEIVING DOCK

PROPOSED DRY POND

SHEPARD AVENUE

OFFICE

SEABOARD AIR LINE RAILROAD
RIGHT-OF-WAY VARIES
PLAT BOOK O, PAGE 102

FIRE PUMP HOUSE

MAYFLOWER AVENUE
60.00' RIGHT-OF-WAY PLAT BOOK G,
PAVED ROADWAY

LAKE VIEW DRIVE
50.00' RIGHT-OF-WAY
PLAT BOOK O, PAGE 102

SU-40 - Single Unit Truck

Overall Length	39.500ft
Overall Width	8.000ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.367ft
Track Width	8.000ft
Lock-to-lock time	5.00s
Max Steering Angle (Virtual)	31.80°

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
WHEN PRINTED AT FULL SIZE
(24" X 36")

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GARBAGE TRUCK ROUTING

APOPKA COLD STORAGE

APOPKA FLORIDA

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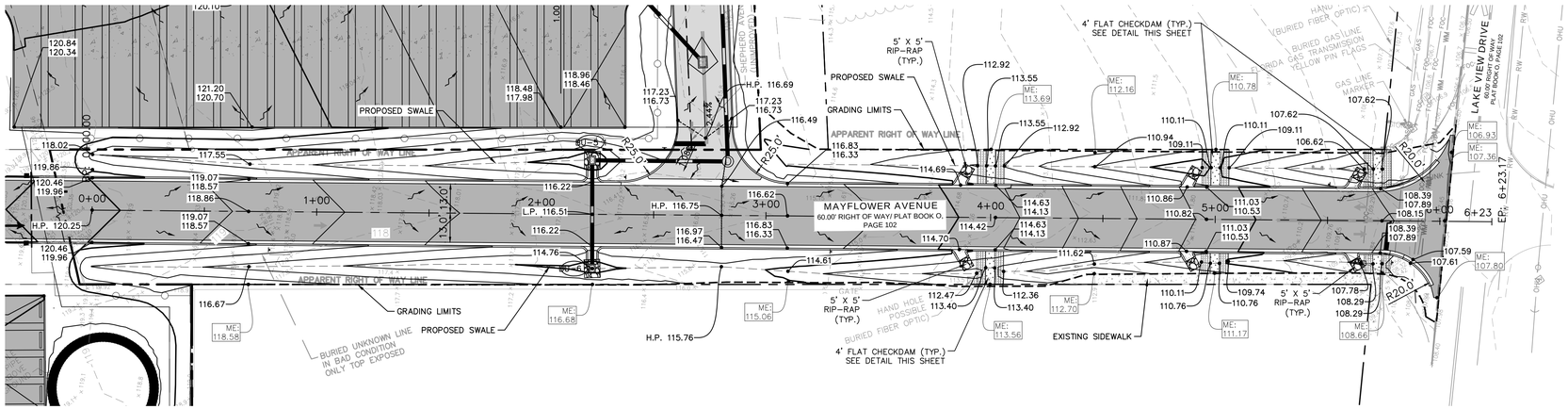

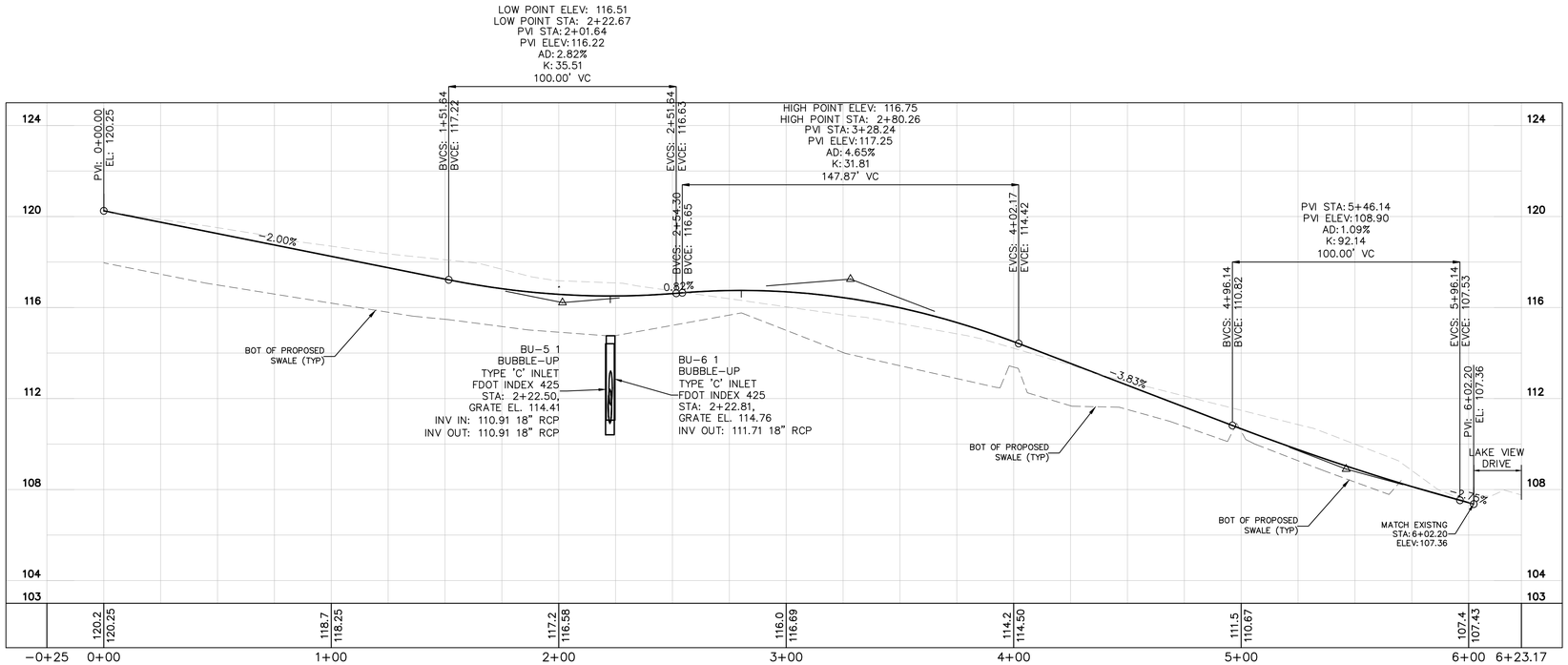

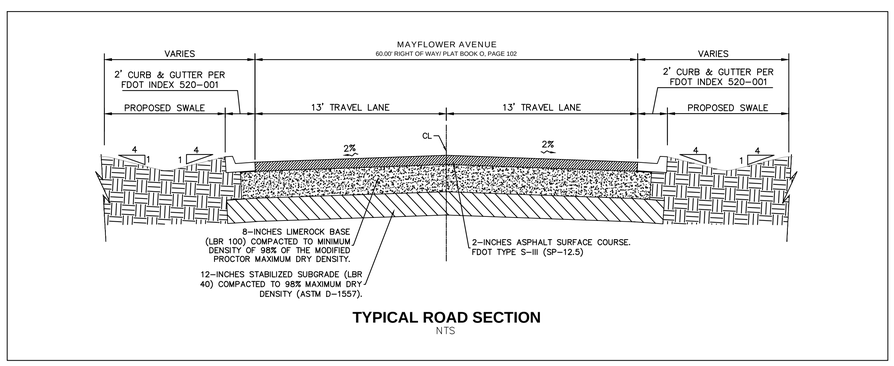

TYPICAL ROAD SECTION
NTS

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60
1" = 30'
WHEN PRINTED AT FULL SIZE (24" X 36")

LEGEND

- PROPERTY BOUNDARY
- ROAD DEDICATION
- BUILDING SETBACK
- LANDSCAPE BUFFER
- EXISTING CONTOURS
- 21.60 EXISTING SPOT ELEVATION
- 21.60 PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- ST EXISTING STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED GRATE INLETS
- PROPOSED STANDARD DUTY ASPHALT, REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA
- PROPOSED DIRECTION OF STORMWATER RUNOFF

GRAPHIC SCALE IN FEET
0 15 30 60
HORIZONTAL

0 1.5 3 6
VERTICAL

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MAYFLOWER AVENUE IMPROVEMENTS

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C10.0

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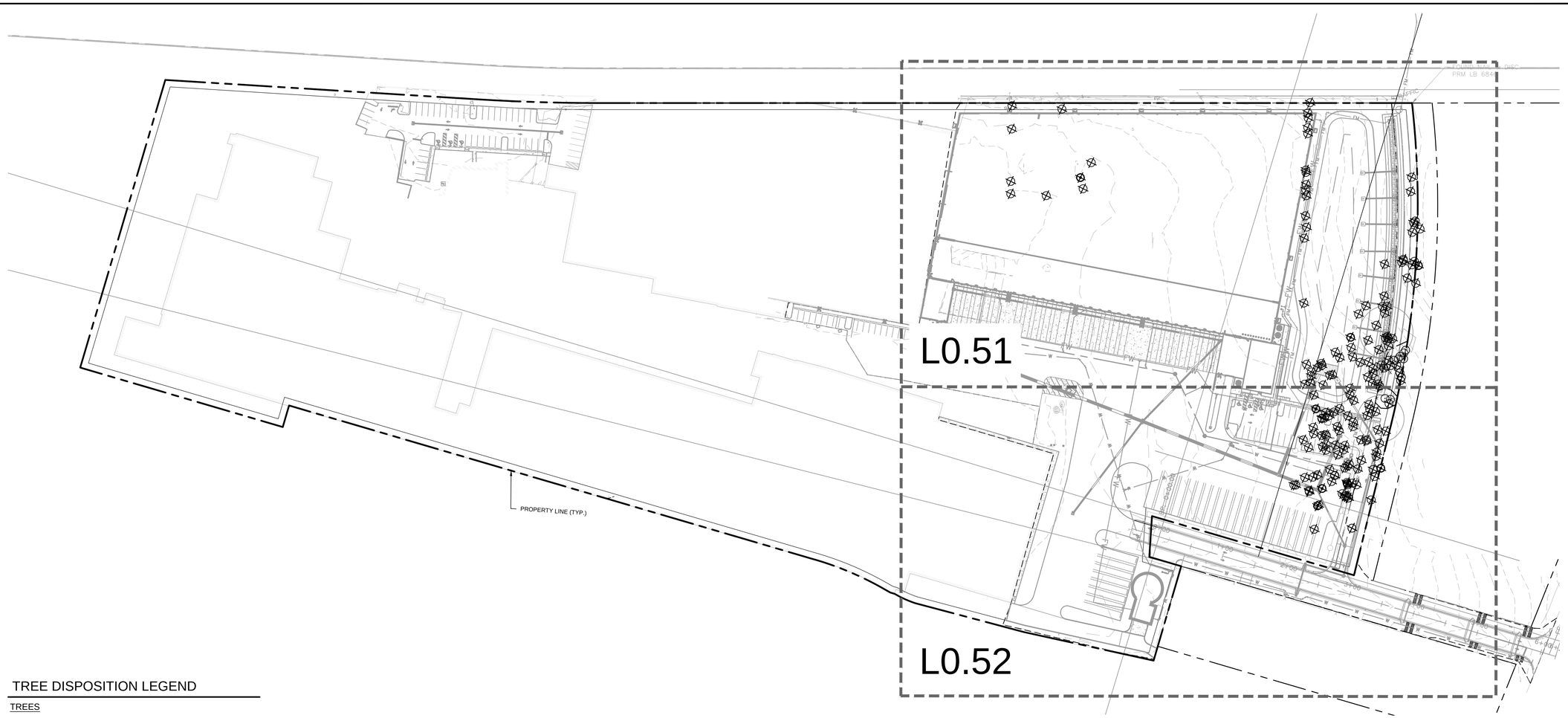

TREE DISPOSITION LEGEND

TREES

PRESERVE IN PLACE

- PROTECTED TREE
- SPECIMEN TREE

REMOVE

- PROTECTED TREE
- SPECIMEN TREE

FENCING

- TEMPORARY TREE PROTECTION FENCE

TREE CANOPY COVERAGE TABLE		
	SF	PERCENT
TOTAL SITE AREA	1,128,204	100%
TOTAL CANOPY AREA	36,060	3%
REQUIRED CANOPY AREA TO REMAIN	2,884	8%
PROPOSED CANOPY TO REMAIN	3,184	8.8%

TREE REMOVAL TABLE		
	TREES	INCHES
TOTAL TREES ON SITE	78	1311
TOTAL TREES TO BE REMOVED	68	1174
TOTAL TREES TO REMAIN	10	137
TOTAL INCHES TO BE MITTIGATED		1,037

TREE REPALCEMENT TABLE		
	TREES	INCHES
TOTAL MITTIGATION REQUIRED		1,037
TOTAL PROPOSED TREES		
CANOPY TREES (3" CALIPER)	64	192
UNDERSOTRY TREES (5" TOT. CALIPER)	54	270
UNDERSOTRY TREES (2" CALIPER)	0	0
NET MITITIGATION OWED		575
TOTAL FEE TO BE PAID ($10 PER INCH)		$ 5,750.00

SPECIMEN TREE TABLE		
	TREES	INCHES
SPECIMEN TREES ON SITE	9	274
SPECIMEN TREES REMOVED	9	274
SPECIMEN TREES RETAINED	0	0

THIS TABLE ONLY INCLUDES CALCULATIONS FOR PROTECTED TREES



GRAPHIC SCALE IN FEET
0 40 80 160

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DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

OVERALL TREE MITIGATION

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER L0.50

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TREE 11050
TTP C CABBAGE 22

TREE 11055
TTP C CABBAGE 24

TREE 11051
TTP C CABBAGE 15

TREE 11058
TTP C CABBAGE 15

TREE 11052
TTP S SABAL 15

TREE 11056
TT O OAK 24

TREE 11053
TTP C CABBAGE 15

TREE 11054
TT O OAK 10

TREE 11057
TT O OAK 10

TREE 1006
TTP C CABBAGE 15

TREE 1007
TTP C CABBAGE 18

TREE 1008
TTP C CABBAGE 20

TREE 1009
TTP C CABBAGE 15

TREE 1011
TTP C CABBAGE 14

PROPERTY LINE (TYP.)

TREE 1021
TTP C CABBAGE 12

TREE 1022
TTP C CABBAGE 19

TREE 11059
TTP C CABBAGE 14

TREE 1023
TTP C CABBAGE 17

TREE 1024
TTP C CABBAGE 14

TREE 11060
TTP C CABBAGE 20

TREE 1025
TT CB CHINABERRY 6+4 TWIN

TREE 1027
TTP C CABBAGE 22

TREE 11061
TTP C CABBAGE 23

TREE 11211
TTP C CABBAGE 20

TREE 1028
TTP C CABBAGE 15

TREE 11062
TTP C CABBAGE 17

TREE 11210
TTP C CABBAGE 19

TREE 1029
TTP C CABBAGE 13

TREE 11064
TT CB CHINABERRY 6+4 TWIN

TREE 11063
TT CB CHINABERRY 6

TREE 11284
TT CB CHINABERRY 4+6+6

TREE 11285
TT CB CHINABERRY 4+5+7

TREE 11286
TT B BAY 12

TREE 11283
TT

TREE 11287
TT O OAK 24

TREE 11288
TT CB CHINABERRY 12

TREE 11289
OAK 22

TREE 11065
TT CB CHINABERRY 6

TREE 11281
TT CB CHINABERRY 12

TREE 11282
TT O OAK 12

TREE 1049
TTP C CABBAGE 15

TREE 11279
TT

TREE 11280
TT O OAK 5

TREE 11066
TT E DRAKE ELM 4

TREE 11068
TT E ELM 12 DRAKE

TREE 11069
TT O OAK 32

TREE 11070
TT O OAK 10

TREE 11077
TT CA CAMPHOR 8

TREE 11072
TT CA CAMPHOR 9

TREE 11067
TT CA CAMPHOR 8

TREE 11071
TT O OAK 20

TREE 11073
TT CA CAMPHOR 8+10

TREE 11085
TT O OAK 48

TREE 11218
TT O OAK 8

TREE 11219
TT O OAK 21

TREE 11084
TT CA CAMPHOR 8+11 TWIN

TREE 11216
TT O OAK 15

TREE 11087
TT O OAK 7

TREE 11233
TT O OAK 15

TREE 11089
TT O OAK 15

TREE 11220
TT O OAK 10

TREE 11083
TT O OAK 13

TREE 11090
TT O OAK 12

TREE 11088
TT B BAY 5

TREE 11217
TT O OAK 15

TREE 11082
TT CA CAMPHOR 7

TREE 11091
TT O OAK 5

TREE 11223
TT O OAK 12

TREE 11092
TT CB CHINABERRY 8

TREE 11085
TT MA MAGNOLIA 5

TREE 11078
TT CA CAMPHOR 8

TREE 11221
TT CA CAMPHOR 6

TREE 11093
TT CA CAMPHOR 6

TREE 11110
TT CA CAMPHOR 4

TREE 11080
TT CA CAMPHOR

TREE 11094
TT O OAK 16

TREE 11099
TT

TREE 11109
TT O OAK 28

TREE 11079
TT CA CAMPHOR 10

TREE 11222
TT CA CAMPHOR 7

TREE 11095
TT O OAK 18

TREE 11098
TT B BAY 7

TREE 11108
TT O OAK 26

TREE 11111
TT CH CHERRY 8

TREE 11225
TT O OAK 4

TREE 11226
TT O OAK 12

TREE 11096
TT CA CAMPHOR 8

TREE 11112
TT CH CHERRY 8 LAUREL 6

TREE 11113
TT CH CHERRY 6

TREE 11227
TT O OAK 4

TREE 11097

TREE 11103

TREE 11120

TREE 11121
TT CH CHERRY 8 LAUREL 6

TREE 11114

TREE 1048
TTP C CABBAGE 15

MATCHLINE; SEE SHEET L0.52

TREE DISPOSITION LEGEND

TREES

PRESERVE IN PLACE

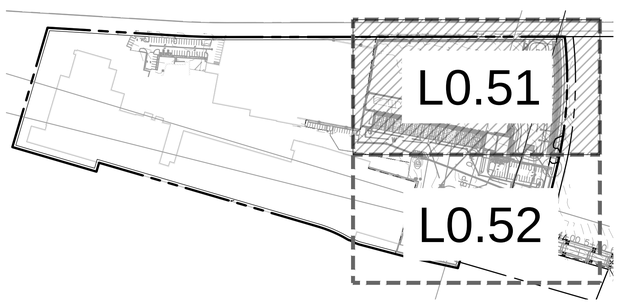
- PROTECTED TREE
- SPECIMEN TREE

REMOVE

- PROTECTED TREE
- SPECIMEN TREE

FENCING

- TEMPORARY TREE PROTECTION FENCE



GRAPHIC SCALE IN FEET
0 15 30 60

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KHA PROJECT	049607003
DATE	12/02/2025
SCALE	AS SHOWN
DESIGNED BY	AMG
DRAWN BY	AMG
CHECKED BY	ZLH

DETAIL TREE MITIGATION PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L0.51

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MATCHLINE; SEE SHEET L0.51

TREE 11096 TT CA CAMPHOR 8
TREE 11097 TT CA CAMPHOR 30
TREE 11106 TT CA CAMPHOR 5
TREE 11175 TT CH CHERRY 4 LAUREL 4
TREE 11174 TT CH CHERRY 5 LAUREL 5
TREE 11176 TT O OAK 9
TREE 11103 TT O OAK 12
TREE 11102 TT O OAK 30
TREE 11104 TT
TREE 11130 TT CH CHERRY 5 LAUREL 5
TREE 11177 TT CB CHINABERRY 10
TREE 11178 TT CB CHINABERRY 12+11+10+8
TREE 11186 TT B BAY 6
TREE 11180 TT O OAK 6
TREE 11179 TT B BAY 14
TREE 11185 TT B BAY 10
TREE 11160 TT CB CHINABERRY 10+12
TREE 11161 TT CB CHINABERRY 20+12
TREE 11172 TT CB CHINABERRY 7
TREE 11171 TT O OAK 11+8
TREE 11170 TT O OAK 15
TREE 11169 TT O OAK 10
TREE 11167 TT O OAK 6
TREE 11168 TT O OAK 10
TREE 11166 TT B BAY 4
TREE 11165 TT B BAY 8
TREE 11163 TT O OAK 27
TREE 11162 TT CH CHERRY 4 LAUREL 4
TREE 11154 TT O OAK 30
TREE 11164 TT CH CHERRY 6 LAUREL 6
TREE 11151 TT CA CAMPHORS 2+6 TWIN
TREE 11155 TT O OAK 22
TREE 11182 TT B BAY 10
TREE 11181 TT
TREE 11184 TT B BAY 6
TREE 11150 TT CA CAMPHOR 4
TREE 11144 TT O OAK 12
TREE 11143 TT O OAK 12
TREE 11275 TT O OAK 18
TREE 11274 TT
TREE 11120 TT B BAY 10
TREE 11119 TT O OAK 12
TREE 11105 TT
TREE 11129 TT CA CAMPHOR 9
TREE 11128 TT CA CAMPHOR 6
TREE 11127 TT O OAK 12
TREE 11131 TT CH CHERRY 7 LAUREL 7
TREE 11163 TT B BAY 12
TREE 11133 TT CA CAMPHOR 5
TREE 11132 TT B BAY 10
TREE 11135 TT B BAY 6
TREE 11134 TT B BAY 12
TREE 11136 TT B BAY 12
TREE 11137 TT
TREE 23 TT O OAK 12
TREE 11142 TT CA CAMPHOR 6+8
TREE 11121 TT CH CHERRY 6 LAUREL 6
TREE 11126 TT CA CAMPHOR 18
TREE 11117 TT CA CAMPHOR 10
TT
TREE 11115 TT O OAK 15
TT O OAK 28
TREE 11113 TT CH CHERRY 6
TREE 11114 TT O OAK 17
TREE 11245 TT O OAK 12
TREE 11244 TT CH CHERRY 6 LAUREL 6
TREE 11118
TREE 11116 TT CA CAMPHOR 7
TREE 11242 TT EA EAR 24
TREE 11241 TT EA EAR 26+28
TREE 11125 TT B BAY 15
TREE 11123 TT B BAY 13
TREE 11124 TT B BAY 12
TREE 11255 TT EA EAR 12
TREE 11256 TT EA EAR 8
TREE 11257 TT EA EAR 8
TREE 11140 TT B BAY 15
TREE 11258 26" OAK
TREE 11259 TT EA EAR 12
TREE 11260 TT EA EAR 8
TREE 11139 TT B BAY 12
TREE 11138 TT B BAY 10
TREE 11145 TT O OAK 12
TREE 11146 TT O OAK 5
TREE 11272 TT EA EAR 12
TREE 11149 TT CA CAMPHOR 5
TREE 11147 TT O OAK 10+11+12
TREE 11148 TT O OAK 11+8
TREE 11112 TT CH CHERRY 8 LAUREL 6
TREE 11227 TT O OAK 4
TREE 11241 TT EA EAR 24
TT O OAK 12
TT O OAK 12
TT O OAK 10
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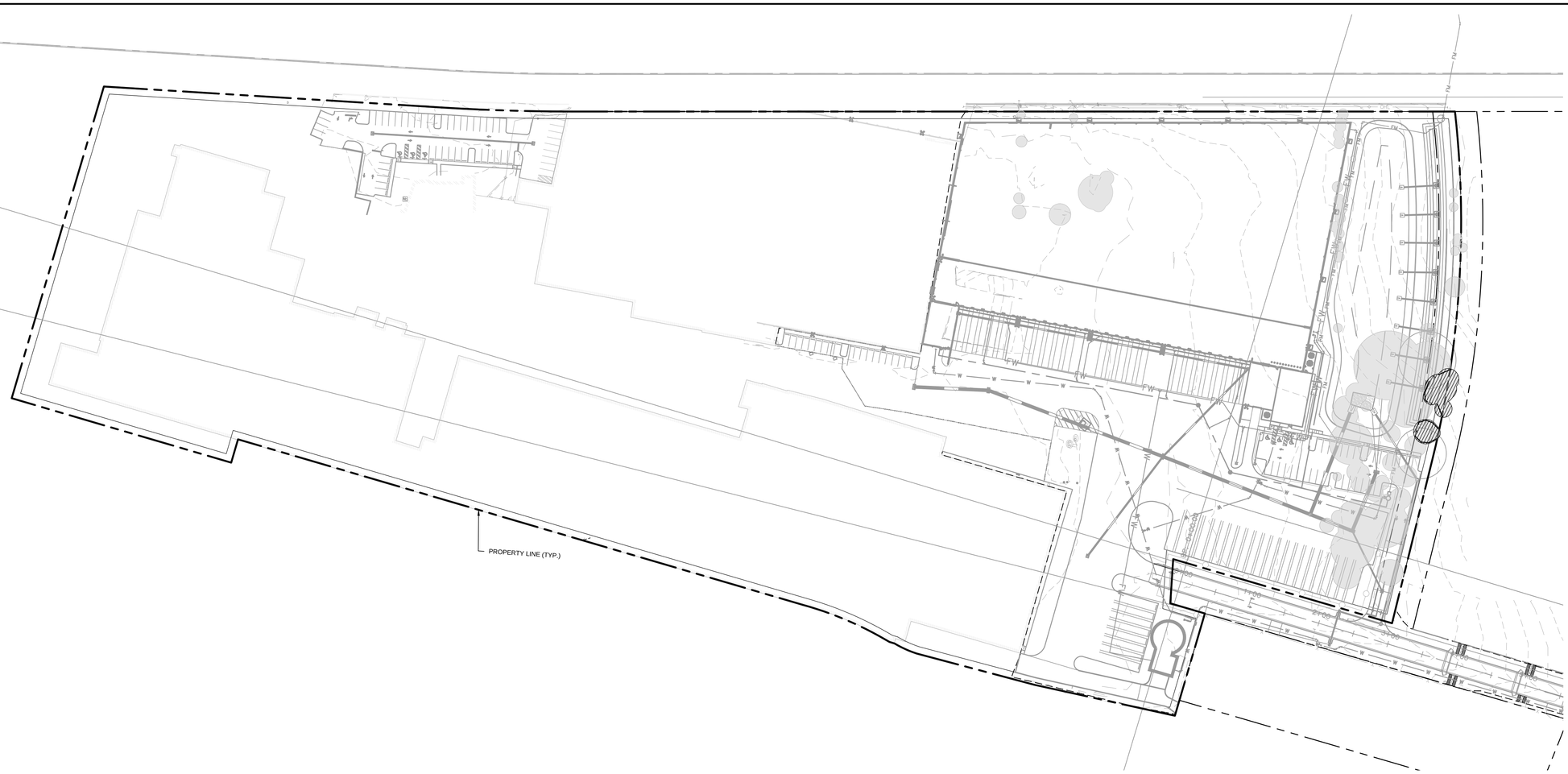
TT O OAK 12
TT O OAK 12



TREE CANOPY COVERAGE

TOTAL SITE AREA: 1,128,204 SF
TOTAL EXISTING CANOPY COVERAGE: 36,060 SF
ZONING - I-L, REQUIRED TO PRESERVE 8% TOTAL CANOPY COVERAGE
36,060 SF X 0.08 = 2,884 SF REQUIRED TO SAVE

TOTAL CANOPY AREA TO BE REMOVED:
32,878 SF

TOTAL CANOPY AREA TO BE PRESERVED:
3,182 SF

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

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DATE 12/02/2025
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DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

TREE MITIGATION CANOPY COVER

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
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TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHERE TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION). WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF TWELVE (12) WEEKS PRIOR TO TREE RELOCATION.
6. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

1. TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.
2. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
3. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
4. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
5. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
6. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
7. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
8. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
9. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

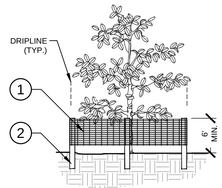
L. TOPSOIL

10. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
11. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
12. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
13. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
14. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

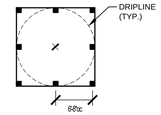
M. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.

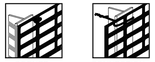
1 / L0.54 — TYPICAL TREE MITIGATION NOTES



ELEVATION



PLAN



CORNER CONNECTION

CONNECTION

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

2 / L0.54 — TREE PROTECTION FENCING
ELEVATION / PLAN — NTS

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

TREE MITIGATION NOTES AND DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L0.54

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:L0.54 January 15, 2026 01:20:08pm K:\orl_civil\049607003-cold link apopka\CADD\MDP\sheets\L0.50 — TREE MITIGATION PLAN.dwg
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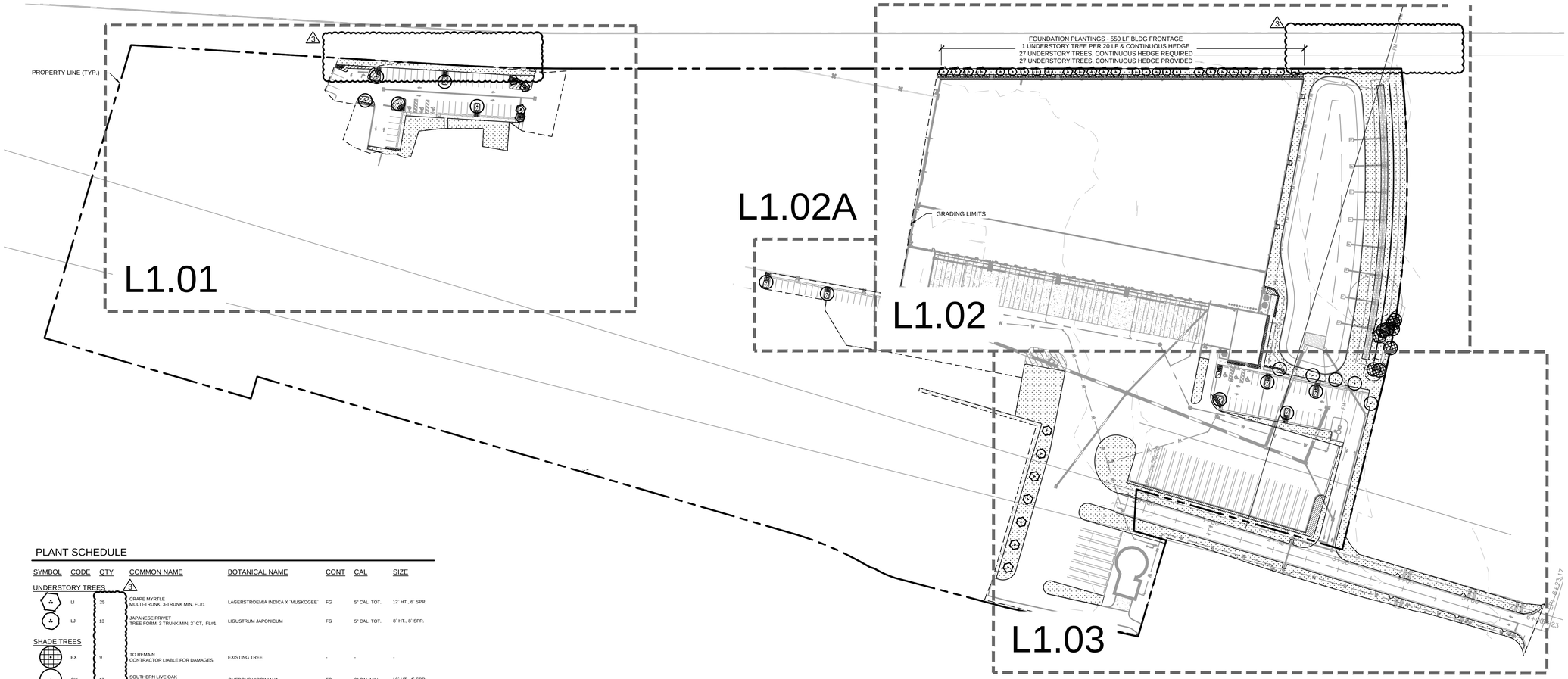

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE
UNDERSTORY TREES							
	LI	25	CRAPE MYRTLE MULTI-TRUNK, 3-TRUNK MIN, FL#1	LAGERSTROEMIA INDICA X `MUSKOGEE`	FG	5" CAL. TOT.	12' HT., 6' SPR.
	LJ	13	JAPANESE PRIVET TREE FORM, 3 TRUNK MIN, 3` CT, FL#1	LIGUSTRUM JAPONICUM	FG	5" CAL. TOT.	8' HT., 8' SPR.
SHADE TREES							
	EX	9	TO REMAIN CONTRACTOR LIABLE FOR DAMAGES	EXISTING TREE	-	-	-
	QV	17	SOUTHERN LIVE OAK STRAIGHT, SINGLE LEADER, FL #1, FULL	QUERCUS VIRGINIANA	FG	3" CAL MIN	10' HT., 4' SPR.
SYMBOL	**CODE**	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**CONT**	**SIZE**	**SPACING**
SHRUBS							
	PM	266	PODOCARPUS FULL	PODOCARPUS MACROPHYLLUS	7 GAL	30" FULL	30" OC
	SC	13	GREEN SCHEFFLERA FULL	SCHEFFLERA ARBORICOLA	3 GAL	18" FULL	30" OC
	ZF	263	COONTIE FULL	ZAMIA FLORIDANA	3 GAL	18" FULL	30" OC
GROUND COVERS							
	EB	1,241	DWARF MORNING GLORY 'BLUE MY MIND' FULL	EVOLVULUS NUTTALLIANUS `BLUE DAZE`	1 GAL	12" SPRD MIN	18" OC
	LL	1,128	EVERGREEN GIANT LILY TURF FULL	LIRIOPE MUSCARI `EVERGREEN GIANTS`	1 GAL	12" FULL	18" OC
SOD							
	PA	84,769 SF	ARGENTINE BAHIAGRASS	PASPALUM NOTATUM 'ARGENTINE'	SOD	-	-

MISC.	QTY	BOTANICAL/COMMON NAME	SPECIFICATIONS
MULCH	TBD	DESIGNER BROWN HARDWOOD MULCH	3" DEPTH MINIMUM, SHREDDED, FREE OF WEEDS/INVASIVE PLANT MATERIAL

LANDSCAPE NOTES:

1. ALL LANDSCAPE MATERIAL TO BE FLORIDA GRADE #1 OR BETTER QUALITY
2. ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
3. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
4. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA 2) TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.
11. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
13. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
14. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
15. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.
16. ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM.
17. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).
18. ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.
19. ALL PLANTED LANDSCAPE AREAS TO HAVE 3" DEEP DESIGNER BROWN HARDWOOD MULCH TO FULLY COVER DRIP IRRIGATION & AMENDED SOILS. REPAIR AS NEEDED DURING CONSTRUCTION. SUBMIT ALTERNATIVE MULCH SPECIFICATION FOR LANDSCAPE ARCHITECT APPROVAL.

LANDSCAPE CALCULATIONS

PER "APOPKA" LAND DEVELOPMENT CODE

	REQUIRED	PROVIDED
FOUNDATION PLANTINGS 1 UNDERSTORY TREE PER 20 LF CONTINUOUS HEDGE *SECTION 5.2.5 A*	**PRIMARY FACADE - 550 LF BLDG FRONTAGE** 27 UNDERSTORY TREES, CONTINUOUS HEDGE	**PRIMARY FACADE - 550 LF BLDG FRONTAGE** 27 UNDERSTORY TREES, CONTINUOUS HEDGE
PARKING LOT 1 CANOPY TREE PER 10 SPACES 10% OF VUA INTERIOR PLANTINGS 30% OF VUA CANOPY COVERAGE *SECTION 5.2.5 B.1.C*	**COMBINED VUA - 34,984 SF** 8 SHADE TREES 3,498 SF OF INTERIOR PLANTINGS 10,495 SF OF CANOPY COVERAGE	**COMBINED VUA - 34,984 SF** 12 SHADE TREES, 4 UNDERSTORY TREES (2:1) 4,051 SF OF INTERIOR PLANTINGS 13,756 SF OF CANOPY COVERAGE

3



GRAPHIC SCALE IN FEET
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2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

OVERALL LANDSCAPE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L1.00

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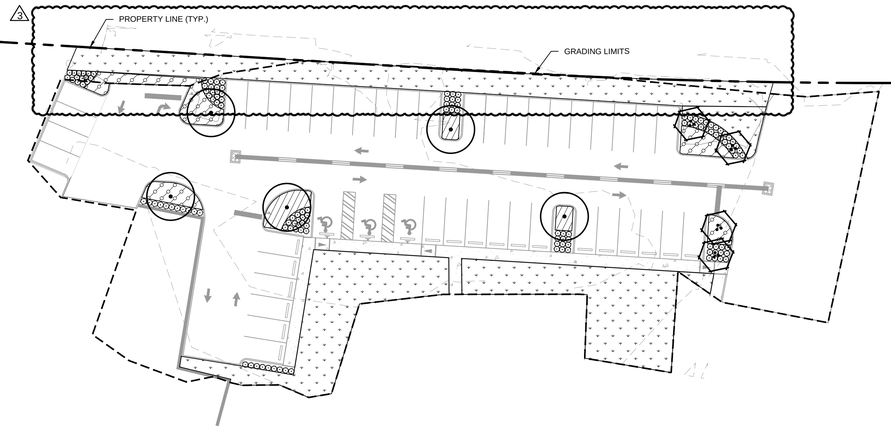
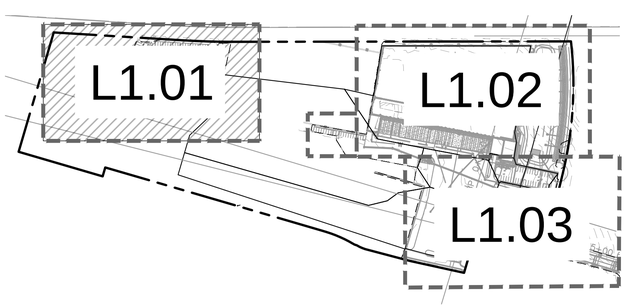


PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
UNDERSTORY TREES		
	LI	LAGERSTROEMIA INDICA X 'MUSKOGEE' MULTI-TRUNK, 3-TRUNK MIN, FL#1
	LJ	LIGUSTRUM JAPONICUM TREE FORM, 3 TRUNK MIN, 3` CT, FL#1
SHADE TREES		
	EX	EXISTING TREE CONTRACTOR LIABLE FOR DAMAGES
	QV	QUERCUS VIRGINIANA STRAIGHT, SINGLE LEADER, FL #1, FULL
SHRUBS		
	PM	PODOCARPUS MACROPHYLLUS FULL
	SC	SCHEFFLERA ARBORICOLA FULL
	ZF	ZAMIA FLORIDANA FULL
GROUND COVERS		
	EB	EVOLVULUS NUTTALLIANUS `BLUE DAZE` FULL
	LL	LIRIOPE MUSCARI `EVERGREEN GIANTS` FULL
SOD		
	PA	PASPALUM NOTATUM 'ARGENTINE'



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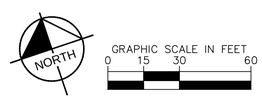

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LANDSCAPE PLAN

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER
L1.01

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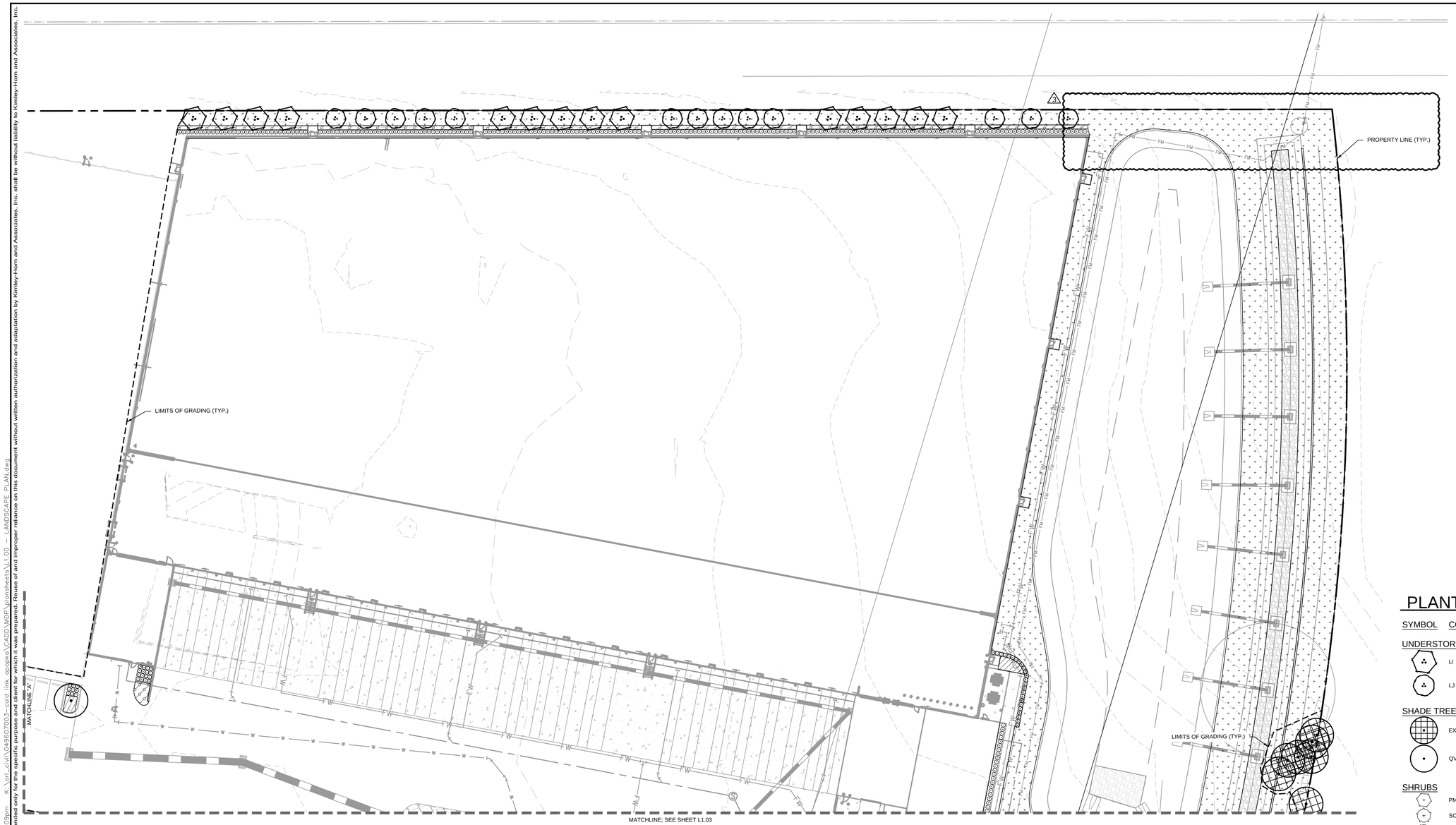
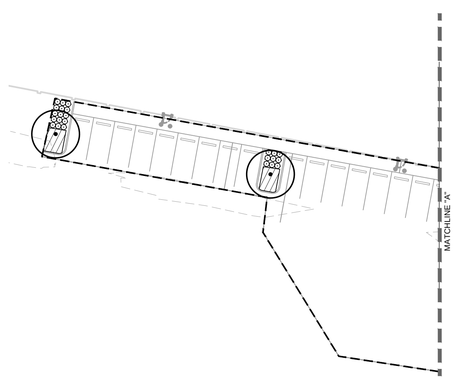
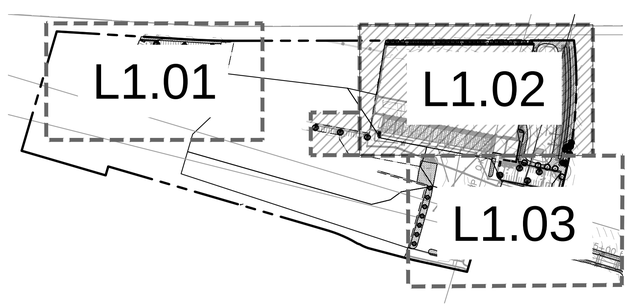




PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
UNDERSTORY TREES		
	LI	LAGERSTROEMIA INDICA X `MUSKOGEE` MULTI-TRUNK, 3-TRUNK MIN, FL#1
	LJ	LIGUSTRUM JAPONICUM TREE FORM, 3 TRUNK MIN, 3` CT, FL#1
SHADE TREES		
	EX	EXISTING TREE CONTRACTOR LIABLE FOR DAMAGES
	QV	QUERCUS VIRGINIANA STRAIGHT, SINGLE LEADER, FL #1, FULL
SHRUBS		
	PM	PODOCARPUS MACROPHYLLUS FULL
	SC	SCHEFFLERA ARBORICOLA FULL
	ZF	ZAMIA FLORIDANA FULL
GROUND COVERS		
	EB	EVOLVULUS NUTTALLIANUS `BLUE DAZE` FULL
	LL	LIRIOPE MUSCARI `EVERGREEN GIANTS` FULL
SOD		
	PA	PASPALUM NOTATUM 'ARGENTINE'



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LANDSCAPE PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
L1.02

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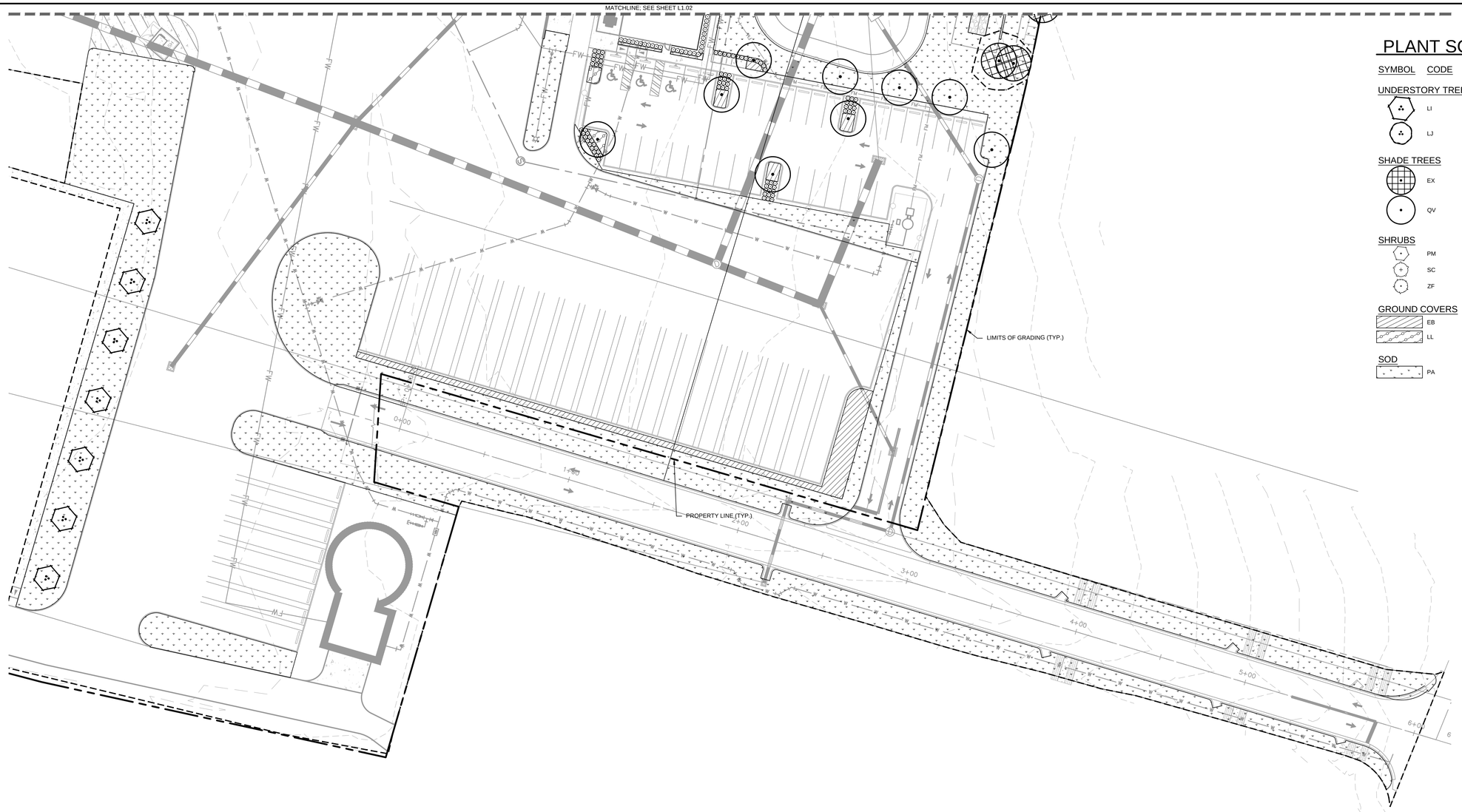
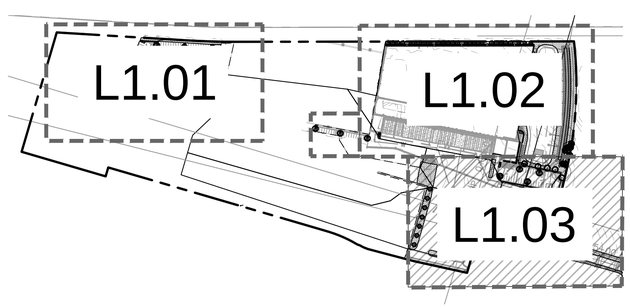


PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
UNDERSTORY TREES		
	LI	LAGERSTROEMIA INDICA X `MUSKOGEE` MULTI-TRUNK, 3-TRUNK MIN, FL#1
	LJ	LIGUSTRUM JAPONICUM TREE FORM, 3 TRUNK MIN, 3` CT, FL#1
SHADE TREES		
	EX	EXISTING TREE CONTRACTOR LIABLE FOR DAMAGES
	QV	QUERCUS VIRGINIANA STRAIGHT, SINGLE LEADER, FL #1, FULL
SHRUBS		
	PM	PODOCARPUS MACROPHYLLUS FULL
	SC	SCHEFFLERA ARBORICOLA FULL
	ZF	ZAMIA FLORIDANA FULL
GROUND COVERS		
	EB	EVOLVULUS NUTTALLIANUS `BLUE DAZE` FULL
	LL	LIRIOPE MUSCARI `EVERGREEN GIANTS` FULL
SOD		
	PA	PASPALUM NOTATUM 'ARGENTINE'



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LANDSCAPE PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L1.03

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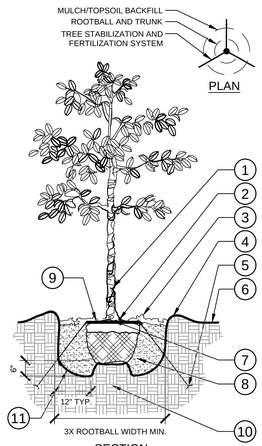


1. TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
2. 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
3. 3" MINIMUM MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6' DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
4. 4" HIGH BERM, FIRMLY COMPACTED.
5. TREE FROG ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. FINISHED GRADE. (SEE GRADING PLAN)
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. PREPARED PLANTING SOIL AS SPECIFIED.
9. TOP OF ROOTBALL SHALL BE 1" ABOVE FINISHED GRADE. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.
10. UNDISTURBED NATIVE SOIL.
11. SCARIFY BOTTOM AND SIDES OF PLANTING PIT.

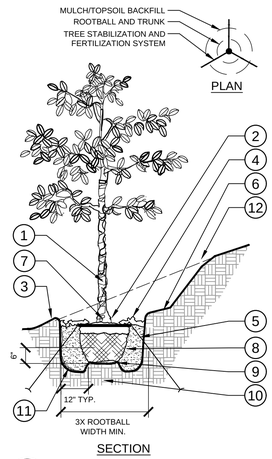
NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 L1.50 **TREE PLANTING**
SECTION / PLAN — NTS



1. TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.
2. 6" DIA. CLEAR OF MULCH AT TRUNK FLARE.
3. 3. 4" HIGH BERM, FIRMLY COMPACTED.
4. 3" MINIMUM OF HARDWOOD BARK MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6' DIAMETER (MIN.) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
5. TREE FROG ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. 4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE. (SEE GRADING PLAN)
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. PREPARED PLANTING SOIL AS SPECIFIED.
9. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.
10. UNDISTURBED NATIVE SOIL.
11. SCARIFY BOTTOM AND SIDES OF PLANTING PIT.
12. CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.

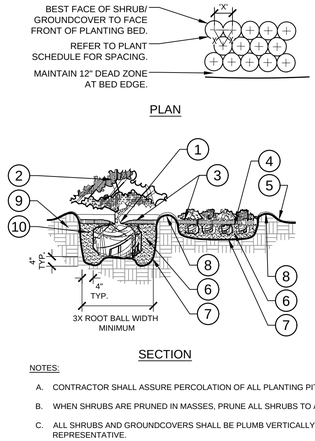
NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

2 L1.50 **TREE PLANTING ON A SLOPE**
SECTION / PLAN — NTS



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
3. 3" MULCH LAYER AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY OF PLANTING PIT SIDES AND BOTTOM.
8. 4" HIGH BERM FIRMLY COMPACTED.
9. UNDISTURBED NATIVE SOIL.
10. FERTILIZER TABLETS (MAX 3" DEEP)

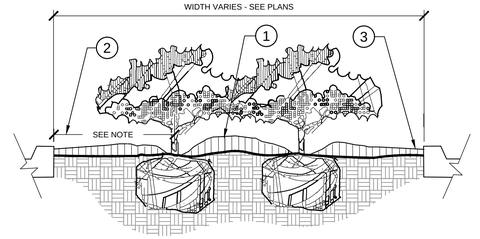
NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

3 L1.50 **SHRUB/GROUNDCOVER PLANTING**
SECTION / PLAN — NTS



1. CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
2. CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE SHALL CONTAIN 3" CONTINUOUS MULCH OR TURF, SEE PLANS.
3. 2" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH.

NOTES:

A. EXCAVATE A CONTINUOUS 24" DEEP PIT (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.

B. PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).

C. ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR LESS.

4 L1.50 **PLANTED PARKING LOT ISLANDS/MEDIANS**
SECTION — NTS

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. PRUNE SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE.
3. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE SHRUBS ARE PLACED IN MASSES, MULCH SHALL BE SPREAD IN A CONTINUOUS BED.
4. SOIL BERM TO HOLD WATER. TOP OF PLANTING PIT 'BERM' TO BE LEVEL ACROSS PIT. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER EXPOSED TOPSOIL.
5. FINISHED GRADE (SEE GRADING PLAN)
6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).
7. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
8. FERTILIZER TABLETS (MAX 3" DEEP).
9. UNDISTURBED NATIVE SOIL

NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

5 L1.50 **SHRUB/GROUNDCOVER PLANTING ON A SLOPE**
SECTION — NTS

NOTES:

1. CLEAR ZONE: 36" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.
2. INSTALL SPECIFIED MULCH: 24" MIN. FROM BUILDING. SPECIFIED MULCH TO BE INSTALLED AT A DEPTH OF 3" (MIN.)

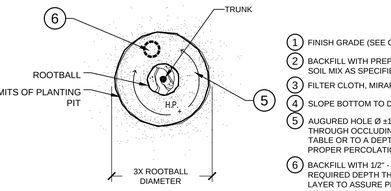
6 L1.50 **PLANTINGS ADJACENT TO BUILDINGS**
SECTION — NTS

1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.
2. CURB / PARKING LOT EDGE.

7 L1.50 **PARKING SPACE/CURB PLANTING**
SECTION — NTS

1. FIRE HYDRANT.
2. NO PLANT EXCEEDING 12" MATURE HEIGHT MATERIAL SHALL BE PLACED WITHIN SHOWN RADIUS OF ALL PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.
3. FRONT OF HYDRANT (TOWARD CURB)

8 L1.50 **SHRUB PLANTING AT FIRE HYDRANT**
SECTION / PLAN — NTS



1. FINISH GRADE (SEE GRADING PLANS).
2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
3. FILTER CLOTH, MIRAFI 500X OR BETTER.
4. SLOPE BOTTOM TO DRAIN.
5. AUGURED HOLE Ø ±18" PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION.
6. BACKFILL WITH 1/2" - 3/4" GRAVEL TO REQUIRED DEPTH THROUGH OCCLUDING LAYER TO ASSURE PROPER PERCOLATION.
7. WATER TABLE. (DEPTH VARIES)
8. UNDISTURBED NATIVE SOIL.
9. SET ROOTBALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOT BALL IS 1" ABOVE FINISHED GRADE.

NOTES:

A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED. AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

9 L1.50 **POOR DRAINAGE CONDITION**
SECTION / PLAN — NTS

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

10 L1.50 **TREE PROTECTION FENCING**
ELEVATION / PLAN — NTS

1. 5 LAYERS OF BURLAP TO PROTECT TRUNK.
2. FIVE 2" X 4" X 18" WOOD BATTENS.
3. SECURE BATTENS WITH 2- 3/4" CARBON STEEL BANDS TO HOLD BATTENS IN PLACE. NO NAILS SHALL BE DRIVEN INTO PALM. HEIGHT OF BATTENS SHALL BE LOCATED IN RELATION TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING.
4. (3) 2"X4"X8' SUPPORTS. NAIL (DRILL AN NAIL IF NECESSARY) TO BATTENS AND 2" 4" STAKES. STAIN DARK BROWN.
5. 3" SPECIFIED MULCH
6. BERM SOIL TO HOLD WATER.
7. FINISH GRADE
8. 2X4X24" (MIN) P.T. WOOD STAKES (TYP.) NAIL TO SUPPORT POLES.
9. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).

NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

11 L1.50 **PALM PLANTING**
SECTION / PLAN — NTS

1. BASE OF TREE SHALL BE PLANTED SLIGHTLY ABOVE (1" MIN.) ADJACENT FINISH GRADE. REMOVE ALL TWINE & STRAPS & CUT BURLAP FROM TOP 1/3 OF ROOT BALL. NO SYNTHETIC BURLAP WILL BE ACCEPTED.
2. 4" SHREDDED HARDWOOD MULCH OR APPROVED EQUAL.
3. DIAMETER OF TREE PIT TO BE TWICE THE DIAMETER OF ROOT BALL-ROUGHEN SIDES OF TREE PIT.
4. 3" HIGH SOIL BERM TO HOLD WATER.
5. TOPSOIL MIX BACKFILL.
6. TREE WRAP.
7. 4" MIN. OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
8. ROOT BALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING ROOT BALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
9. UNDISTURBED SUBSOIL.
10. PREPARE PLANTING SOIL AS SPECIFIED.
11. **Tree Frog® RBK40pt** FOR UP TO 4" TREE CALIPER OR **Tree Frog® RBK60pt** FOR GREATER THAN 4" AND UP TO 6" TREE CALIPER. REFER TO SITEWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS.

NOTES:

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. SET TREE AT ORIGINAL DEPTH. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT

E. ASSURE PERCOLATION OF ALL PLANTING PITS

12 L1.50 **MULTI-TRUNK TREE PLANTING**
SECTION/PLAN — NTS

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	S.JRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

Kimley»Horn
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

LANDSCAPE DETAILS

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L1.50

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF FDOT DESIGN STANDARDS, INDEX 600. IF A DIRECT APPLICATION OF INDEX 600 IS PROPOSED, THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF FDOT STANDARD INDEX 600 IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A FLORIDA PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY FDOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC.. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF THREE HUNDRED DOLLARS ($300) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

2. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS. INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.

c. SOIL AMENDMENT (IF NEEDED PER SOIL TESTING) THE CONTRACTOR SHALL FURNISH AND INSTALL A 3" LAYER OF AMENDED PLANTING SOIL IN ALL PLANTING BEDS, EXCLUDING SOD AREAS. THE AMENDED PLANTING SOIL SHALL BE COMPOSED OF 35% FERTICOMP 20% FLORIDA PEAT 45% SANDY LOAM. THE AMENDED PLANTING SOIL SHALL BE MIXED INTO THE BEDS UPON PLANTING.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING (SUBMIT SOIL TESTING RESULTS AFTER INCORPORATING AMENDMENTS TO DEMNSTRATE COMPLIANCE WITH SOIL QUALITY REQUIREMENTS .

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). MULCH SHALL BE "FLORIMULCH," EUCALYPTUS MULCH, OR SIMILAR SUSTAINABLY HARVESTED MULCH UNLESS SPECIFIED OTHERWISE.

2. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG= "ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL, CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.

12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC... SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

13. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

16. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

3. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

b. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

c. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

6. LAWN MAINTENANCE

a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

b. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

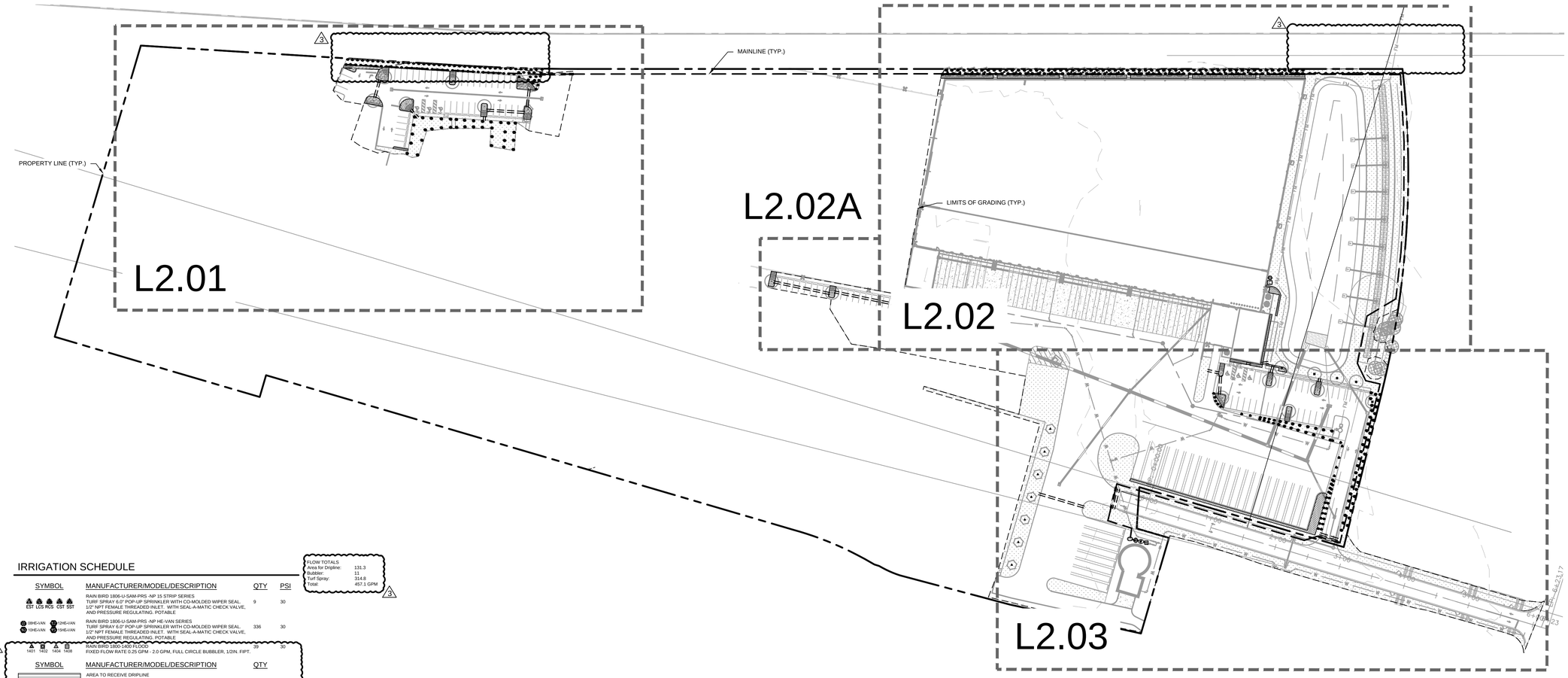
S. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

T. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PL



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
EST LCS RCS CST SST	RAIN BIRD 1806-U-SAM-PRS -NP 15 STRIP SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	9	30
20HE-VAN 10HE-VAN 12HE-VAN 15HE-VAN	RAIN BIRD 1806-U-SAM-PRS -NP HE-VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	336	30
1401 1402 1404 1406	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE 0.25 GPM - 2.0 GPM, FULL CIRCLE BUBBLER, 1/2IN. FIPT.	39	30

FLOW TOTALS
Area for Dripline: 131.3
Bubbler: 11
Turf Spray: 314.8
Total: 457.1 GPM

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-09-12-NP XFD ON-SURFACE PRESSURE COMPENSATING LANDSCAPE DRIPLINE, PIPE TO BE PURPLE IN COLOR. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART. WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	8,754 LF

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BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXME2 W/ (3) ESPLXMSM12 48 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. (1) ESPLXME2 12-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (3) ESPLXMSM12 - 12-STATION EXPANSION MODULES.	1
RS	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	1
FS	RAIN BIRD FS-150-P 2" FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LX(VM)[*] LXD [LXME2(*)] ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	1
M	WATER METER 2"	1
	IRRIGATION MAINLINE: PVC SCHEDULE 40	2,795 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS	556.6 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - MAINLINE	112.7 LF

IRRIGATION NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, ETC. PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
3. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
4. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
5. THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
6. CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE WILL NOT ALLOW SYSTEM MODIFICATION TO BE POSSIBLE.
7. IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
8. WHERE APPLICABLE IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITH MINIMUM OVER SPRAY BEYOND LANDSCAPE AREAS.
9. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
10. ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES.
11. IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNER'S REPRESENTATIVE.
12. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
13. CONTRACTOR TO PROVIDE PERMANENT BENCH-MARKS ON ALL CURB LINES AT RELATED SLEEVE LOCATIONS (TYP).
14. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED TO MINIMIZE ROOT DISTURBANCE IN EXISTING TREES.
15. IRRIGATION SPRAYS AND ROTORS ARE NOT COMBINED ON THE SAME CONTROL VALVE CIRCUIT - LANDSCAPE BEDS AND TURF ON SEPARATE CIRCUITS.

NORTH

GRAPHIC SCALE IN FEET
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No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

OVERALL IRRIGATION PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L2.00

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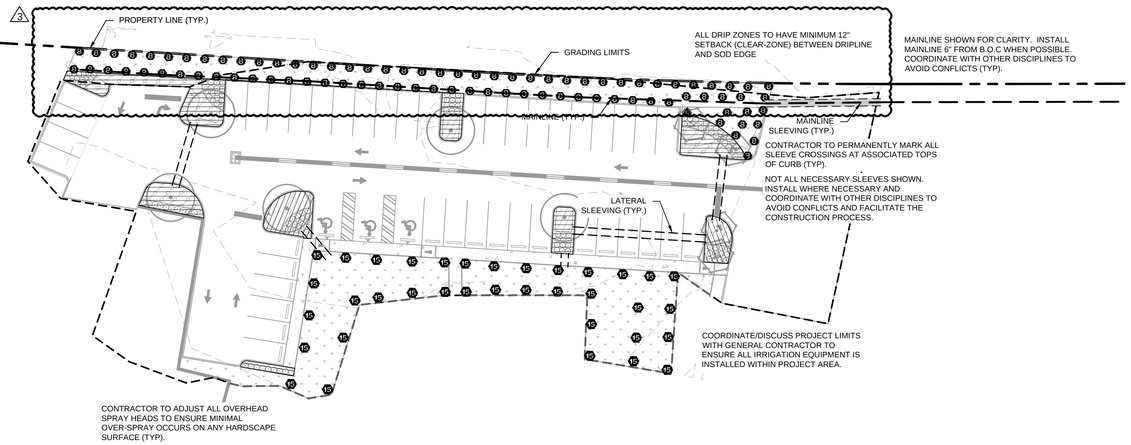
Plotted By: Martinez, Jeremiah - Sheet Set: Cold Link CD - Layout: L2.00 - January 15, 2026 - 01:22:12pm - K:\orl_civil\049607003-cold link apopka\CAD\MDP\plansheet\L2.00 - IRRIGATION PLAN.dwg



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
EST LCS RCS CST SST	RAIN BIRD 1806-U-SAM-PRS -NP 15 STRIP SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	9	30
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M	WATER METER 2"	1
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	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS	556.6 LF
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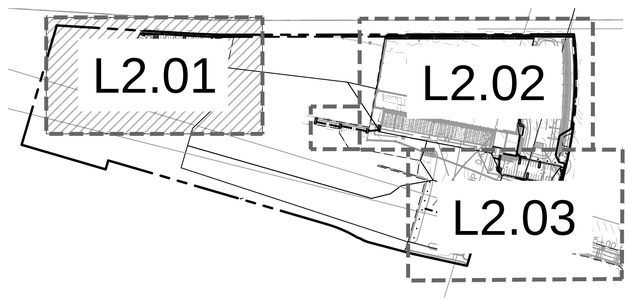

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NORTH

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CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY
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2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION PLAN

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER
L2.01

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:L2.01 January 15, 2026 01:22:28pm K:\orl_civil\049607003-cold link apopka\CADD\MDP\plansheet\L2.00 — IRRIGATION PLAN.dwn
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COORDINATE/DISCUSS PROJECT LIMITS WITH GENERAL CONTRACTOR TO ENSURE ALL IRRIGATION EQUIPMENT IS INSTALLED WITHIN PROJECT AREA.

3 ALL DRIP ZONES TO HAVE MINIMUM 12" SETBACK (CLEAR-ZONE) BETWEEN DRIPLINE AND SOD EDGE

CONTRACTOR TO ADJUST ALL OVERHEAD SPRAY HEADS TO ENSURE MINIMAL OVER-SPRAY OCCURS ON ANY HARDSCAPE SURFACE (TYP).

PROPERTY LINE (TYP.)

MAINLINE (TYP.)

MAINLINE SHOWN FOR CLARITY. INSTALL MAINLINE 6" FROM B.O.C WHEN POSSIBLE. COORDINATE WITH OTHER DISCIPLINES TO AVOID CONFLICTS (TYP).

IRRIGATE TO ESTABLISHMENT

LIMITS OF GRADING (TYP.)

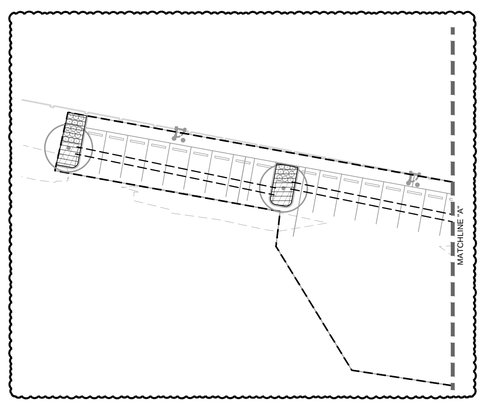
CONTROLLER & RAIN SENSOR TO BE LOCATED OUTSIDE IN GREEN SPACE, SCREENED FROM THE PUBLIC VIEW. AVOID OVERHEAD OBSTRUCTIONS AND OVERSPRAY ASSOCIATED WITH RAIN SENSOR.

PROPOSED IRRIGATION CONTROLLER - PROVIDE ELECTRICAL POWER & CONDUIT FROM POWER SOURCE. BETWEEN CONTROLLER & WATER METER AND TO ANY ASSOCIATED APPURTENANCES.

CONTRACTOR TO PROVIDE CONDUIT AND 110V, SINGLE PHASE POWER FOR CONTROLLER & 480V / 3 PHASE POWER FOR BOOSTER PUMP (SEE UTILITY PLAN).

MATCHLINE "A"

MATCHLINE; SEE SHEET L2.03



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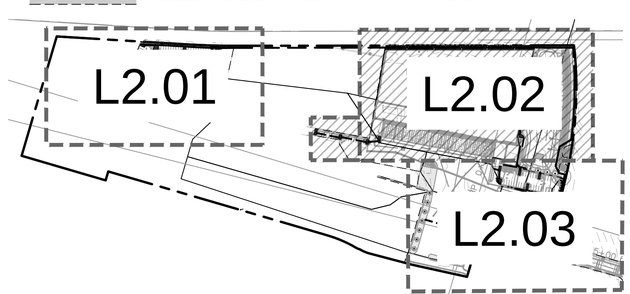

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

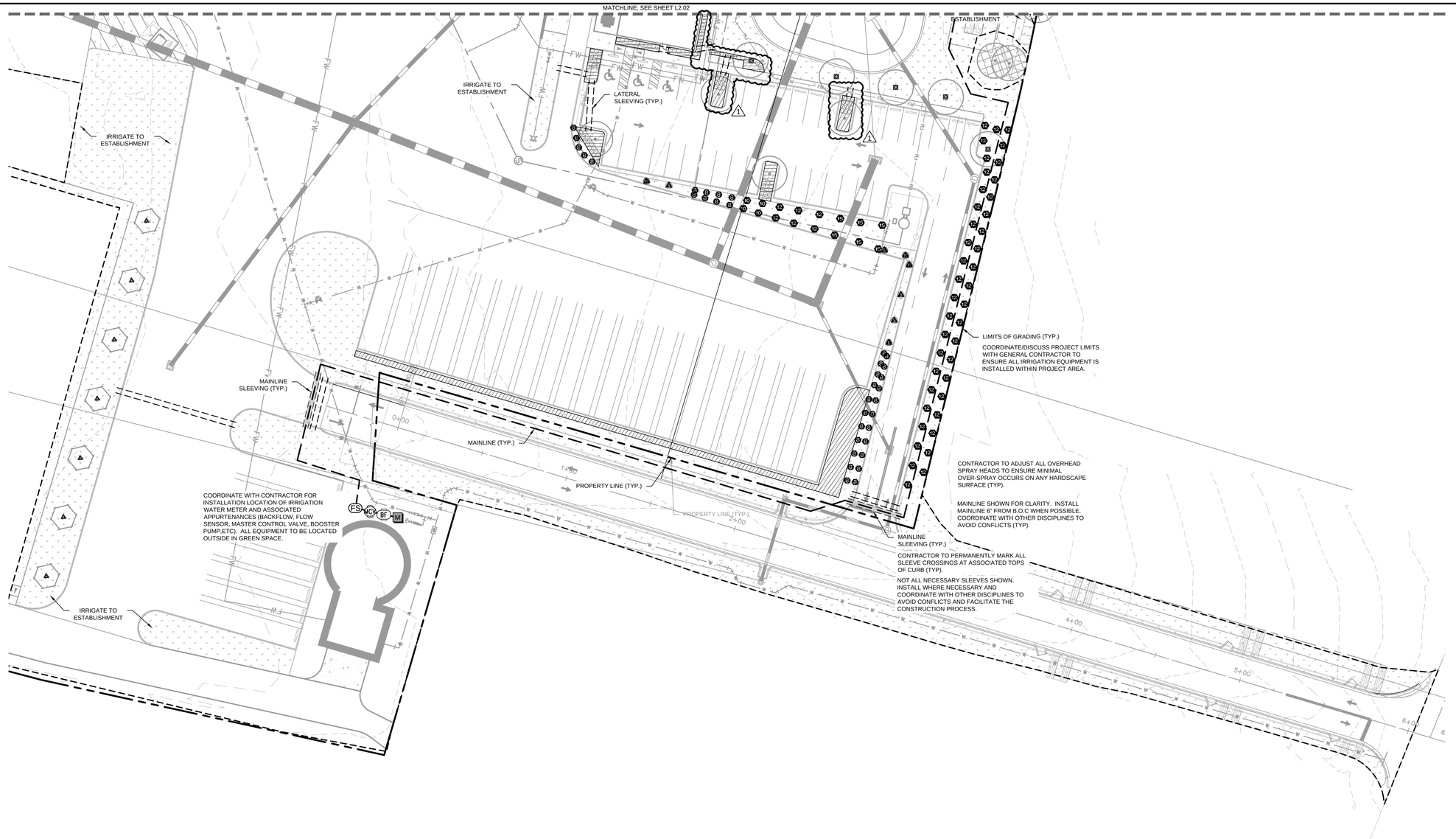
IRRIGATION PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER
L2.02



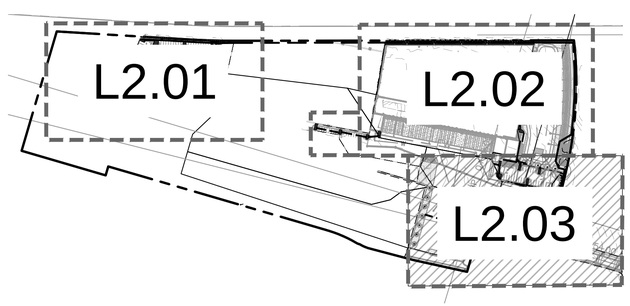
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
EST LCS RCS CST SST	RAIN BIRD 1806-U-SAM-PRS -NP 15 STRIP SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	9	30
08 10 12 15 HE-VAN	RAIN BIRD 1806-U-SAM-PRS -NP HE-VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING. POTABLE	336	30
1401 1402 1404 1408	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE 0.25 GPM - 2.0 GPM, FULL CIRCLE BUBBLER, 1/2IN. FIPT.	39	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-09-12-NP XFD ON-SURFACE PRESSURE COMPENSATING LANDSCAPE DRIPLINE. PIPE TO BE PURPLE IN COLOR. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	8,754 LF

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MCV	RAIN BIRD PESBR-PRS-D 2" 2IN., 2IN. DURABLE CHLORINE-RESISTANT MASTER VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY, PURPLE FLOW CONTROL HANDLE, AND PRESSURE REGULATOR MODULE.	1
BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXME2 W/ (3) ESPLXMSM12 48 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. (1) ESPLXME2 12-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (3) ESPLXMSM12 - 12-STATION EXPANSION MODULES.	1
RSS	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	1

FS	RAIN BIRD FS-150-P 2" FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LXIVM(P)	LXD	LXME2(P)	MES, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	1
M	WATER METER 2"	1
	IRRIGATION MAINLINE: PVC SCHEDULE 40	2,795 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - LATERALS	556.6 LF
	PIPE SLEEVE: PVC SCHEDULE 40 - MAINLINE	112.7 LF



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IRRIGATION PLAN

APOPKA COLD STORAGE

FLORIDA
APOPKA

SHEET NUMBER
L2.03

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:L2.03 January 15, 2026 01:23:19pm K:\Orl_civil\049607003-cold link apopka\CAD\MDP\sheetset\L2.00 — IRRIGATION PLAN.dwg
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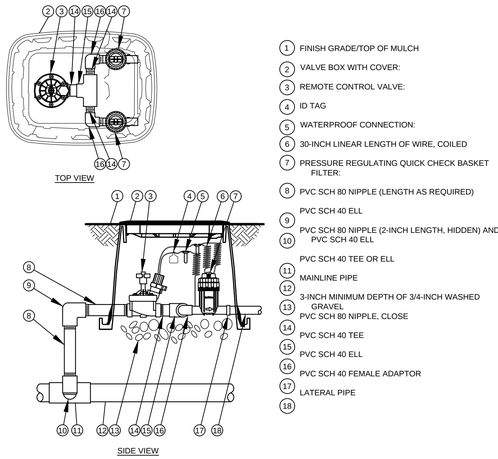
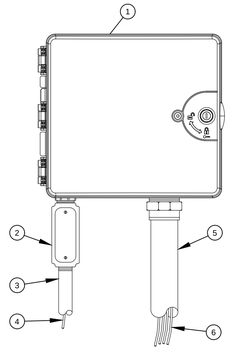


1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER:
3. REMOTE CONTROL VALVE:
4. ID TAG
5. WATERPROOF CONNECTION:
6. 30-INCH LINEAR LENGTH OF WIRE, COILED
7. PRESSURE REGULATING QUICK CHECK BASKET FILTER:
8. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
9. PVC SCH 40 ELL
10. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
11. PVC SCH 40 TEE OR ELL
12. MAINLINE PIPE
13. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
14. PVC SCH 80 NIPPLE, CLOSE
15. PVC SCH 40 TEE
16. PVC SCH 40 ELL
17. PVC SCH 40 FEMALE ADAPTOR
18. LATERAL PIPE

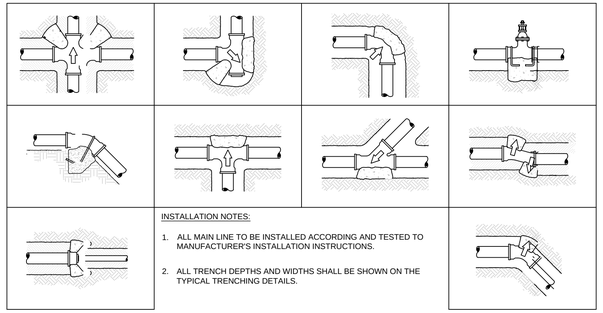
1 L2.50 COMMERCIAL CONTROL DRIP ZONE VALVE KIT
SECTION / PLAN — NTS



1. IRRIGATION CONTROLLER: CONTROLLER (OWNER TO SPECIFY WALL MOUNT OR STAINLESS STEEL PEDESTAL MOUNT). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. JUNCTION BOX
3. 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
4. POWER SUPPLY WIRE
5. 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
6. WIRES TO REMOTE CONTROL VALVES

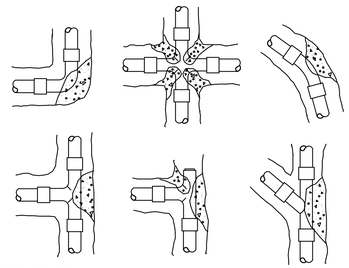
NOTES:
1. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
2. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

2 L2.50 TYPICAL CONTROLLER
ELEVATION — NTS



INSTALLATION NOTES:
1. ALL MAIN LINE TO BE INSTALLED ACCORDING AND TESTED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ALL TRENCH DEPTHS AND WIDTHS SHALL BE SHOWN ON THE TYPICAL TRENCHING DETAILS.

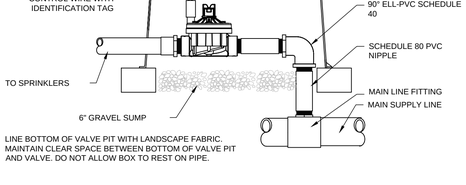
3 L2.50 TYPICAL THRUST BLOCK
SECTION — NTS



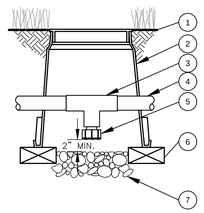
INSTALLATION NOTES
1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.
2. FOR 45°/90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.
3. FOR 22-1/2° FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.
4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED. THRUST

BLOCKS REQUIRED FOR IRRIGATION MAINLINE 2 1/2" AND LARGER.

4 L2.50 THRUST BLOCK REINFORCEMENT
SECTION — NTS

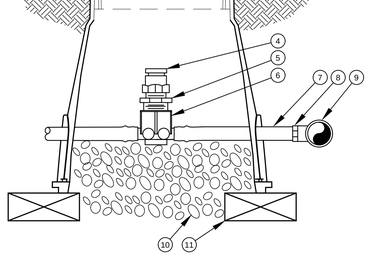


5 L2.50 TYPICAL CONTROL VALVE
SECTION — NTS



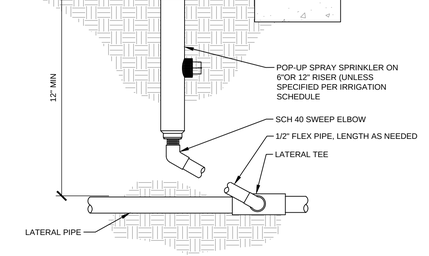
1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER:
3. PVC SCH 40 TEE
4. PVC LATERAL PIPE
5. FILTERED DRAIN VALVE:
6. BRICK (1 OF 2)
7. 6-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

6 L2.50 DRAIN VALVE
SECTION — NTS

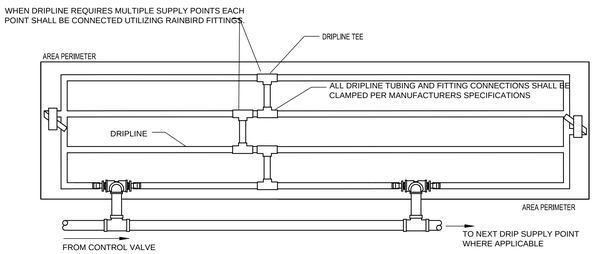


1. TURF GRASS
2. VALVE BOX LID
3. FINISH GRADE
4. ½" AIR RELIEF VALVE: TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
5. ½" X ¾" PVC REDUCER BUSHING
6. BARB X FEMALE THREAD CONNECTOR:
7. ½" BLANK DRIPLINE TUBING:
8. BARB X MALE THREAD CONNECTOR:
9. PVC TEE CONNECTED TO PVC HEADER PIPE
10. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL
11. BRICK (1 OF 2)

7 L2.50 AIR RELIEF VALVE IN XFS DRIP LINE
SECTION — NTS



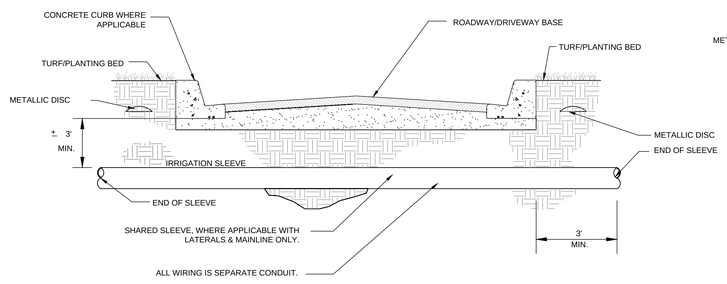
8 L2.50 TYPICAL IRRIGATION HEAD
SECTION — NTS



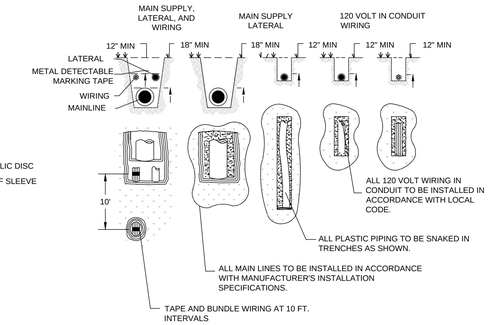
CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS. IF NOT SHOWN, INSTALL WITHIN ADJACENT GREEN AREA NOT IN A HIGHLY VISIBLE AREA.

NOTE:
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS (IF SHOWN).

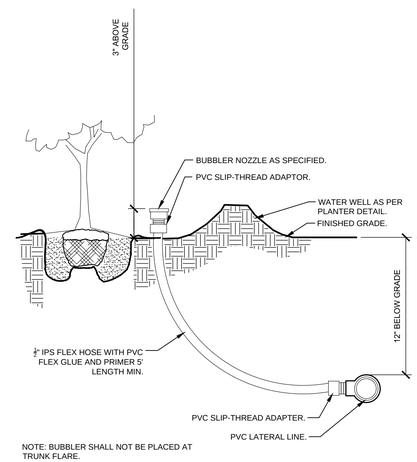
9 L2.50 TYPICAL DRIP LINE
PLAN — NTS



10 L2.50 TYPICAL SLEEVING
SECTION — NTS



11 L2.50 TYPICAL TRENCHING
SECTION / PLAN — NTS



NOTE: BUBBLER SHALL NOT BE PLACED AT TRUNK FLARE.

12 L2.50 TYPICAL BUBBLER
SECTION — NTS

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IRRIGATION DETAILS

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER L2.50

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:L2.50 January 15, 2026 01:23:27pm K:\orl_civil\049607003-cold link apopka\CAD\MDP\plansheets\L2.00 – IRRIGATION PLAN.dwg
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IRRIGATION SYSTEM NOTES:

1. THE IRRIGATION MAINLINE LAYOUT IS DIAGRAMMATIC. ANY CHANGES MADE IN THE IRRIGATION MAINLINE DUE TO FIELD CONDITIONS OR CONTRACTOR'S SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
2. SET SPRAY HEADS 6" AND ROTORS 12" IN FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
3. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL NECESSARY MODIFICATIONS REQUIRED TO MEET THE SCHEMATIC INTENT OF THESE PLANS PRIOR TO SUBMITTING PROPOSAL. THESE PLANS OUTLINE THE OVERALL LAYOUT THE SYSTEM AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ZONE THE SYSTEM ACCORDINGLY BASED ON FLOW AND PRESSURE AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FOLLOWING BUT NOT LIMITED TO AVAILABLE FLOW, AVAILABLE PRESSURE, CONNECTION ASSEMBLY, CAPACITY OF THE SYSTEM.
4. CONTRACTOR TO PROVIDE NEW AUTOMATIC CONTROLLER FOR PROPOSED SYSTEM (NO BATTERY OPERATED CONTROLLERS ALLOWED). COORDINATE LOCATION WITH OWNER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AUTOMATIC RAIN SENSOR. COORDINATE LOCATION W/ OWNER.
6. IRRIGATION SHALL NOT BE COMBINED ON A SINGLE ZONE AND SHALL BE ZONED ACCORDING TO IRRIGATION TYPE, PRECIPITATION RATE, AND THE SYSTEM'S AVAILABLE WATER / PRESSURE. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO INSTALLATION.
7. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.
8. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.
9. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.
10. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
11. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
12. PRODUCTS SHALL BE AS SPECIFIED OR APPROVED EQUAL.

PRE-APPROVED MANUFACTURERS:
1. TORO
2. HUNTER
3. RAINBIRD

13. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
14. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED WITHIN SCH. 40 PVC 2x SIZE OF PIPE AND FREE OF STONES/DEBRIS. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS.
15. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
16. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.
17. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
18. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SCH. 40 PVC SLEEVES. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
19. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
20. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
21. ELECTRIC SERVICE TO THE CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
22. ALL 24 VAC WIRING FROM DECODER TO VALVE SHALL BE OF DIRECT BURIAL COPPER WIRE. MAXIMUM LENGTH OF WIRE FROM DECODER TO VALVE SHALL NOT EXCEED 400 FEET. AS FOLLOWS:
    CONTROL WIRES - #14
    COMMON WIRES - #14
23. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:
    -RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).
24. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).
25. HEADS, LATERALS, EMITTERS, AND VALVES ARE NOT SHOWN, BUT ARE NECESSARY FOR A FULLY FUNCTIONING IRRIGATION SYSTEM.
26. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB.
27. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.
28. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE HIGH OR LOW POINT, MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 12" O.C. WITH 12" LINE SPACING AT A MINIMUM.
29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. IF REQUIRED, ALL WIRING FOR A TWO WIRE PATH SHALL BE WITH RED/BLUE TWISTED PAIR 14 AWG. ELECTRIC CONTROL LINES FROM THE DECODER TO THE SOLENOID VALVES SHALL BE TWISTED PAIR 18 AWG. ALL DECODERS SHALL BE GROUNDED EVERY 1,000 L.F. OR EVERY 10 DEVICES. ALL WIRE SHALL BE FURNISHED IN MINIMUM 2,500' REELS AND SPLICING SHALL BE MINIMIZED. BURY SPLICE KIT. ALL 24 VOLT WIRING SHALL BE DONE IN ACCORDANCE WITH EXISTING CODES. SPLICING SHALL BE IN VALVE BOXES OR CONTROLLERS ONLY. IRRIGATION SYSTEM CONTROL SHALL BE TWO WIRE PATH. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S REQUIREMENTS FOR THIS INSTALLATION. TWO WIRE SYSTEM SHALL HAVE 2-WAY COMMUNICATIONS FIELD PROGRAMMABILITY, STATION SPECIFICATIONS AND INTEGRATED SURGE PROTECTION.
30. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1 $\frac{1}{2}$" ELECTRICAL CONDUIT.
31. SMALLEST DIAMETER LATERAL PIPE SHALL BE 3/4".
32. IRRIGATION SYSTEM SHALL BE CAPABLE OF SUPPLYING AN AVERAGE OF 1.05" OF WATER PER WEEK WITHIN WATERING RESTRICTIONS AS APPLICABLE.
33. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING, OR PRESERVED PLANT COMMUNITIES. DO NOT TRENCH THROUGH EXISTING ROOT SYSTEMS OF ANY VEGETATION INTENDED TO BE PRESERVED.
34. CONTRACTOR TO MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
35. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THE CONDITION DENOTED ON THE LANDSCAPE PLAN.
36. IRRIGATION PIPING INSTALLED UNDER ROADS AND SIDEWALKS SHALL BE IN SCHEDULE 40 PVC SLEEVING AT 2X THE PIPE SIZE. ALL SLEEVING SHALL BE FREE OF STONES AND DEBRIS.
37. IRRIGATION SOURCE TO BE EITHER WELL, POTABLE, OR NON-POTABLE WATER. IRRIGATION CONTRACTOR TO VERIFY SOURCE PRIOR TO DESIGN.
38. POINT OF CONNECTION TO BE DETERMINED BY OWNER. IRRIGATION SYSTEM CONNECTIONS TO THE LOCAL JURISDICTION SERVICE SHALL COMPLY WITH ALL APPLICABLE CODES.
39. IRRIGATION CONNECTION MAY REQUIRE BACKFLOW PREVENTION, VERIFY WITH LOCAL JURISDICTION.
40. IRRIGATION SYSTEM SHALL COMPLY WITH THE LOCAL JURISDICTION LAND DEVELOPMENT CODE.

1 L2.51 TYPICAL SCHEMATIC IRRIGATION NOTES

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY AMG
DRAWN BY AMG
CHECKED BY ZLH

IRRIGATION NOTES

APOPKA COLD STORAGE

APOPKA FLORIDA

SHEET NUMBER L2.51

Plotted By:Martinez, Jeremiah Sheet Set:Cold Link CD Layout:P1.0 PHOTOMETRIC PLAN January 15, 2026 01:23:44pm K:\orl-civil\049607003-cold link apopka\CADD\MDP\planssheet\P1.0 - PHOTOMETRIC PLAN.dwg
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3

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	A4-3--90		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1636.989	Max: 41060cd
	A4-2--90		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1091.326	Max: 41060cd
	A4-2--180		2	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	1091.326	Max: 41060cd
	A4-1		1	Lithonia Lighting	RSX4 LED P6 50K R4	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R4 Distribution	1	69619	1	545.6631	Max: 41060cd
	A2-1		0	Lithonia Lighting	RSX4 LED P6 50K R2	RSX Area Luminaire Size 4 P6 Lumen Package 5000K CCT Type R2 Distribution	1	68812	1	545.6631	Max: 39453cd
	B4-1		3	Lithonia Lighting	RSX2 LED P2 50K R4	RSX Area Fixture Size 2 P2 Lumen Package 5000K CCT Type R4 Distribution	1	17427	1	114.07	Max: 10278cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
nw parking	+	1.6 fc	5.5 fc	0.0 fc	N/A	N/A
truck dock parking	+	3.0 fc	20.9 fc	0.0 fc	N/A	N/A
at property line	+	0.8 fc	8.0 fc	0.0 fc	N/A	N/A

B4-1 @ 25

A4-3-90 @ 35

A4-2-90 @ 35

A4-2-180 @ 35

NORTHWEST PARKING

Plan View
Scale: 1" = 50ft

Designer

Date
11/24/2025
Scale
Not to Scale
Drawing No.

Summary

1 of 1

No.	REVISIONS	DATE	BY
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG

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KHA PROJECT 049607003
DATE 12/02/2025
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

PHOTOMETRIC PLAN

APOPKA COLD STORAGE
APOPKA FLORIDA

SHEET NUMBER P1.0

Apopka Cold Storage

Traffic Impact Analysis

City of Apopka, FL

July 2025

Revised April 2026

Kimley»Horn

Apopka Cold Storage

Traffic Impact Analysis

City of Apopka, FL



This document has been digitally signed and sealed by Emanuelle D Rodriguez Muñiz, P.E. on the date adjacent to the seal

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Prepared by:

Kimley-Horn and Associates, Inc.

July 2025

Revised April 2026

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1.0 INTRODUCTION

Kimley-Horn has been retained to analyze and document the traffic operational impact associated with a proposed industrial development generally located south of US 441, east of SR 429, and south of Old Dixie Highway. The site currently has an existing structure as well as vacant land. The development program is comprised of a 168,180 square foot (168.18 KSF) cold storage facility. The project is anticipated to be built out by the year 2026.

Access to the site will be provided via an existing full access driveway along Lake View Drive and a right-in/right-out driveway along US 441. The project driveway is shown in the conceptual site plan provided in **Appendix A.**

1.1 STUDY AREA

A methodology report was submitted to the City of Apopka included in **Appendix B**. In addition to the intersections listed in the methodology, the intersection of US 441 & W Orange Avenue/T.L Smith Road and the intersection of W Orange Avenue/N Binion Road and Lake View Drive/Pickford Circle were included to assess current travel patterns by the project site. The study area is listed below and shown in **Figure 1:**

Study Intersections

1. US 441 & W Orange Avenue/T.L. Smith Road (*signalized*)
2. US 441 & Lake View Drive/Boy Scout Boulevard (*signalized*)
3. Lake View Drive & Mayflower Avenue (*direct connection*)
4. W Orange Avenue/N Binion Road and Lake View Drive/Pickford Circle (*all-way stop*)
5. US 441 & N Project Driveway (*two-way stop*)

Study Roadway Segments

1. US 441 from SR 429 Connector to Plymouth Sorrento Road
2. US 441 from Plymouth Sorrento Road to Boy Scout Boulevard
3. US 441 from Boy Scout Boulevard to Errol Parkway
4. Lake View Drive from US-441 to W Orange Avenue

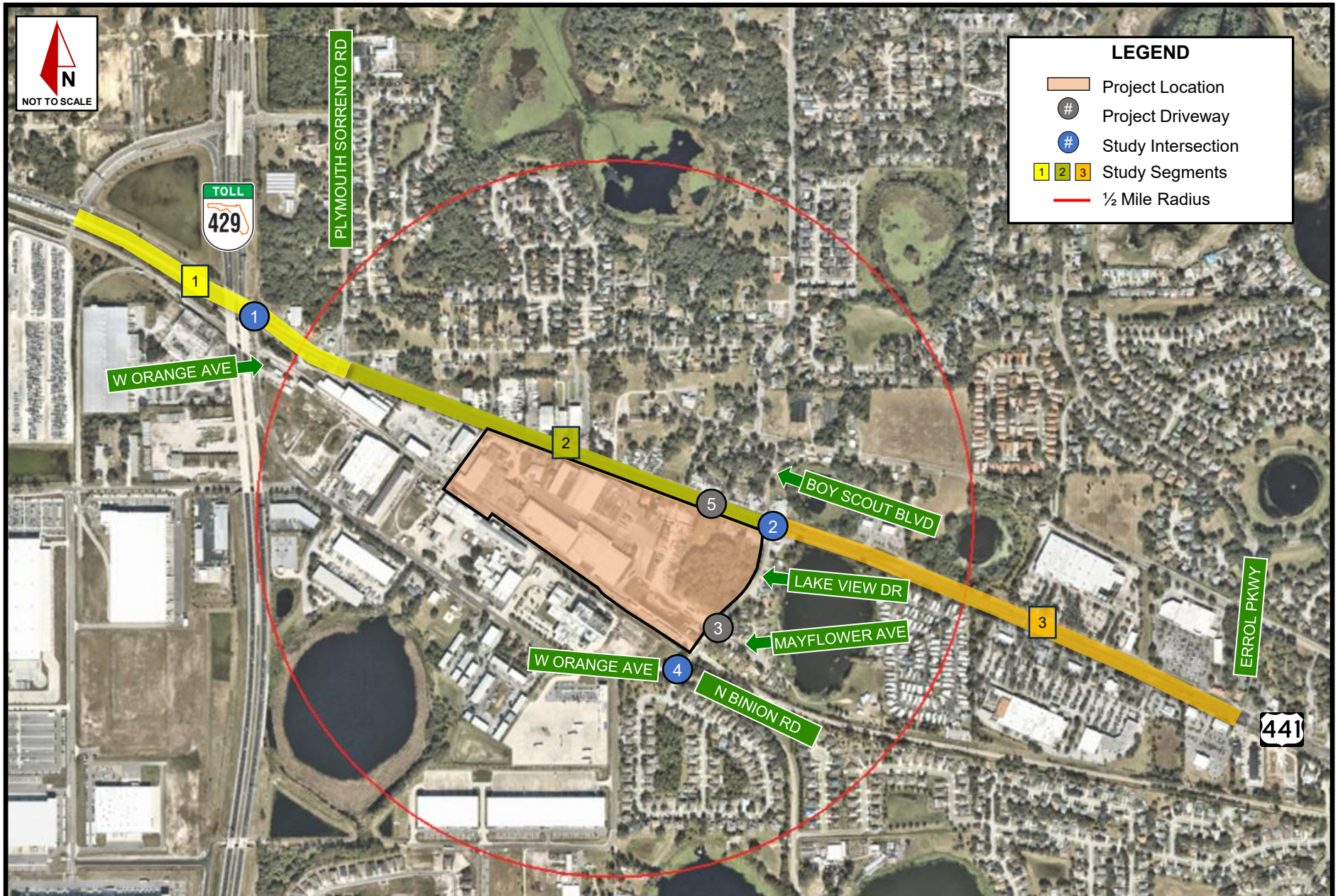

Figure 1: Study Area Segments & Intersections

April 2026
Project No.: 049607003

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Aerial imagery provided by: nearmap

2.0 EXISTING CONDITIONS ANALYSIS – YEAR 2025

2.1 EXISTING TRAFFIC VOLUMES

Existing year condition is analyzed as 2025. Turning movement counts (TMCs) for the AM peak hour of 7:00 AM-9:00 AM and the PM Peak hour of 4:00 PM-6:00 PM were collected for all the study intersections on Tuesday, March 25, 2025, with the exception of the intersection of US 441 & W Orange Avenue/T.L. Smith Road at which data was collected on Wednesday, July 2, 2025. TMC data for the study intersections are provided in **Appendix C**.

The turning movement counts were adjusted using the seasonal factor from FDOT's Florida Traffic Online (FTO) database. Relevant FDOT FTO data is provided in **Appendix D**. Development of existing turning movement counts is shown in the volume development worksheets provided in **Appendix E**.

2.2 EXISTING INTERSECTION CONDITIONS

An intersection operational analysis was performed for the year 2025 existing conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual 7th Edition* with *Synchro* (v12) software. Intersection level of service (LOS) and maximum volume to capacity (v/c) ratios for existing conditions are provided in **Table 1**. Signal timings are provided in **Appendix F** and *Synchro* outputs are provided in **Appendix G**.

All study area intersection approaches operate with acceptable LOS and sufficient capacity (v/c < 1.0) during the AM and PM peak hours

Table 1: Existing Intersection Conditions

#	Intersection Name	Movement/ Approach/ Intersection	Existing AM				Existing PM			
			LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)	LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)
1	W Orange Ave/T.L Smith Road & US 441 *(Signalized)*	EBL	A	1.4	0.03	0	A	2.8	0.02	0
		EBT	A	1.7	0.30	3	A	3.3	0.31	6
		EBR	A	1.6	0.20	2	A	2.9	0.17	3
		WBL	F	96.3	0.81	7	F	107.9	0.80	6
		WBT	A	0.1	0.20	0	A	1.1	0.27	1
		WBR	-	0.0	0.00	0	A	1.1	0.27	2
		NBL	E	56.3	0.45	11	E	67.5	0.71	21
		NBT	-	-	-	-	-	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	D	48.9	0.01	0	D	49.7	0.03	1
		SBT	-	-	-	-	-	-	-	-
		SBR	-	-	-	-	-	-	-	-
		NB	E	56.3	-	-	E	67.5	-	-
		SB	D	48.9	-	-	D	49.7	-	-
		EB	A	1.6	-	-	A	3.2	-	-
		WB	B	10.3	-	-	A	7.3	-	-
		Intersection	**A**	**9.3**	**-**	**-**	**B**	**13.3**	**-**	**-**
2	Lakeview Dr/Boy Scout Rd & US 441 *(Signalized)*	EBL	B	15.1	0.01	0	B	19.7	0.02	0
		EBT	C	25.0	0.58	21	C	27.6	0.49	20
		EBR	C	24.9	0.58	22	C	27.6	0.49	20
		WBL	F	129.5	0.94	14	F	110.2	0.90	15
		WBT	A	9.0	0.30	8	B	14.1	0.48	17
		WBR	A	8.9	0.30	9	B	14.1	0.48	18
		NBL	F	81.8	0.85	19	F	90.4	0.89	26
		NBT	-	-	-	-	-	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	E	67.8	0.66	11	E	67.7	0.52	8
		SBT	-	-	-	-	-	-	-	-
		SBR	-	-	-	-	-	-	-	-
		NB	F	81.8	-	-	F	90.4	-	-
		SB	E	67.8	-	-	E	67.7	-	-
		EB	C	24.9	-	-	C	27.5	-	-
		WB	C	29.9	-	-	C	26.0	-	-
		Intersection	**D**	**35.3**	**-**	**-**	**D**	**35.8**	**-**	**-**
3	Lakeview Dr & Project Driveway/Mayflower Ave *(TWSC)*	EBL	B	-	0.02	0	C	-	0.02	0
		EBT	B	-	0.02	0	C	-	0.02	0
		EBR	B	-	0.02	0	C	-	0.02	0
		WBL	B	-	0.01	0	B	-	0.00	0
		WBT	B	-	0.01	0	B	-	0.00	0
		WBR	B	-	0.01	0	B	-	0.00	0
		NBL	A	-	0.01	0	A	-	0.00	0
		NBT	A	-	-	-	A	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	A	-	0.00	0	A	-	0.00	0
		SBT	A	-	-	-	A	-	-	-
		SBR	-	-	-	-	-	-	-	-
		EB	B	-	-	-	C	-	-	-
		WB	B	-	-	-	B	-	-	-
		Intersection	**-**	**0.3**	**-**	**-**	**-**	**0.2**	**-**	**-**
4	Lakeview Dr & Orange Ave/Binion Rd *(AWSC)*	EBL	B	14.8	0.49	-	C	21.4	0.68	-
		EBT	C	15.3	0.01	-	C	17.4	0.01	-
		EBR	-	-	0.60	-	-	-	0.65	-
		WBL	A	9.2	0.06	-	A	9.4	0.03	-
		WBT	-	-	0.01	-	-	-	0.01	-
		WBR	B	10.5	0.29	-	B	12.3	0.39	-
		NBL	-	-	0.22	-	-	-	0.12	-
		Intersection	**B**	**13.6**	**-**	**-**	**C**	**17.5**	**-**	**-**

3.0 DEVELOPMENT TRAFFIC

The proposed project is an industrial development generally located south of US 441, east of SR 429. The site currently has an existing structure as well as vacant land to be developed. The development program is composed of a 168,180 square foot (168.18 KSF) cold storage facility. The project is anticipated to be built out by the year 2026.

The latest industry standards were used to estimate new external trips to be generated by the site by the buildout year. FDOT's districtwide travel demand model was used to assign trips throughout the study area.

3.1 TRIP GENERATION

Trip generation for the proposed development was calculated per procedures published in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 11th Edition*. Land Use Code (LUC) 157 for High-Cube Cold Storage Warehouse was referenced for trip generation rates and directional splits. **Appendix H** provides ITE excerpts.

Table 2 provides Daily, AM, and PM peak hour trip generation summaries to be generated by the proposed development at buildout. The project is anticipated to generate a total of 377 new daily trips, 20 new AM peak hour trips (10 inbound and 10 outbound), and 20 new PM peak hour trips (10 inbound and 10 outbound) at the project driveway.

Table 2: Trip Generation Summary

Daily	**Land Use**	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**Daily**				
						Total	**In[1]**		**Out[1]**	
	High-Cube Cold Storage Warehouse	157	**168.18**	KSF	2.24	377	*50%*	189	*50%*	188
						377	**189**		**188**	
AM Peak Hour	**Land Use**	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**AM Peak Hour**				
						Total	**In[2]**		**Out[2]**	
	High-Cube Cold Storage Warehouse	157	**168.18**	KSF	0.12	20	*50%*	10	*50%*	10
						20	**10**		**10**	
PM Peak Hour	**Land Use**	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate1**	**PM Peak Hour**				
						Total	**In[3]**		**Out[3]**	
	High-Cube Cold Storage Warehouse	157	**168.18**	KSF	0.12	20	*50%*	10	*50%*	10
						20	**10**		**10**	

Notes: [1] *Vehicle trip rates and directional splits per ITE Trip Generation Manual, 11th Edition*
[2, 3] *Directional distribution not provided for peak hours*

3.2 TRIP DISTRIBUTION

The projected traffic demand of project trips on study roadways was derived with the use of the latest adopted regional travel demand model. Land use data for the project was entered into a new traffic analysis zone (TAZ) within the Central Florida Regional Planning Model (CFRPM v7) and situated within the existing roadway network. The model was used to assign trips for all trip purposes between allocated origin and destination pairs using project buildout year model data. Trip distribution for the project was extracted from the completed model assignment and reviewed for logic based on engineering judgment. The resulting model plot showing the percent of daily project distribution is provided in **Appendix I**.

Daily model project distribution was referenced to manually assign project distribution at the study area intersections and driveways in general accordance with the model output. **Figure 2** shows the intersection movement project distribution generated by the proposed development within the study area.

3.3 TRIP ASSIGNMENT

Project trips were assigned to study area roadways and intersections based on project trip distribution percentages. **Figure 3** shows project movements at the study area intersections generated by the proposed development during the AM and PM peak hours.

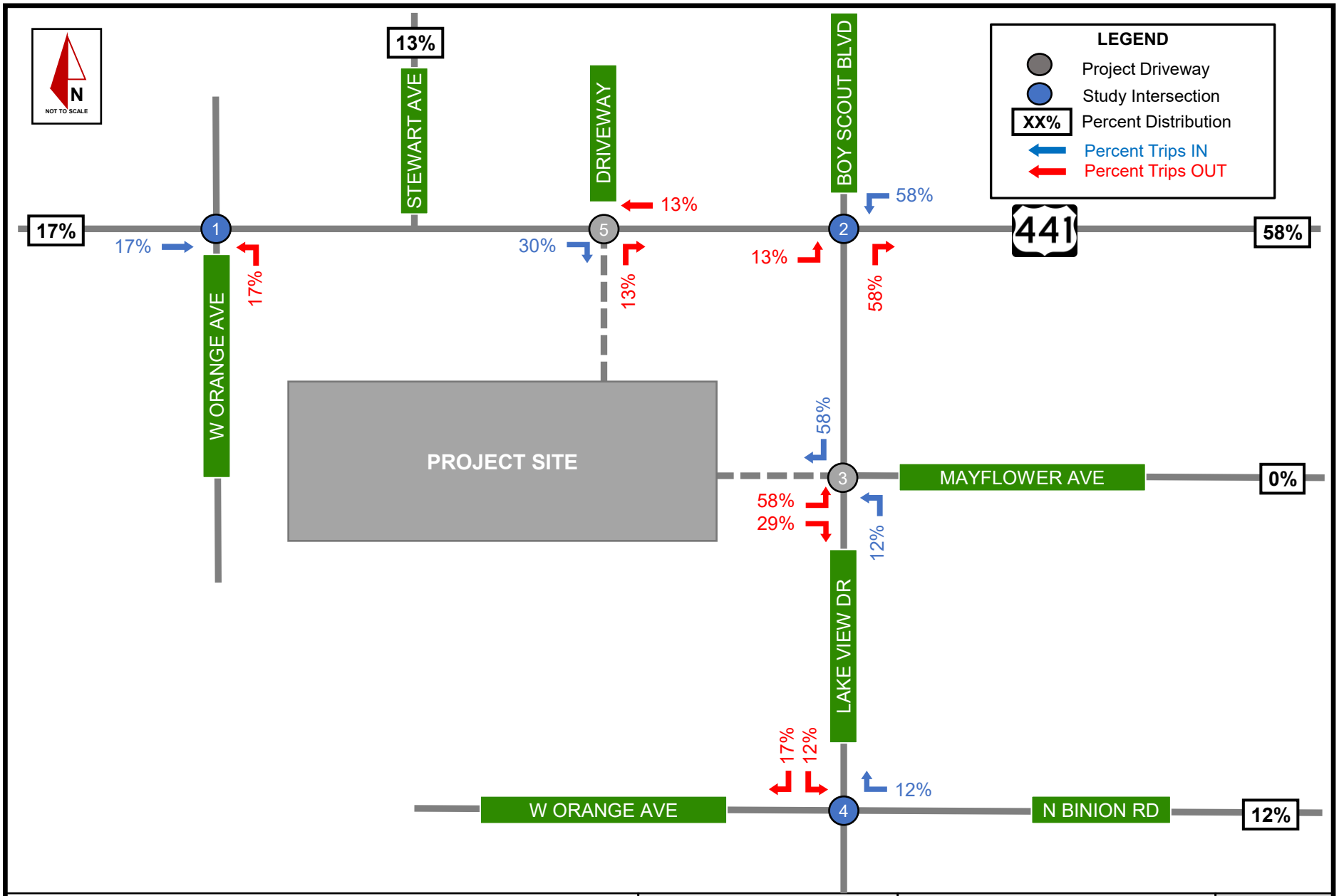

Figure 2: Project Trip Distribution

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April 2026
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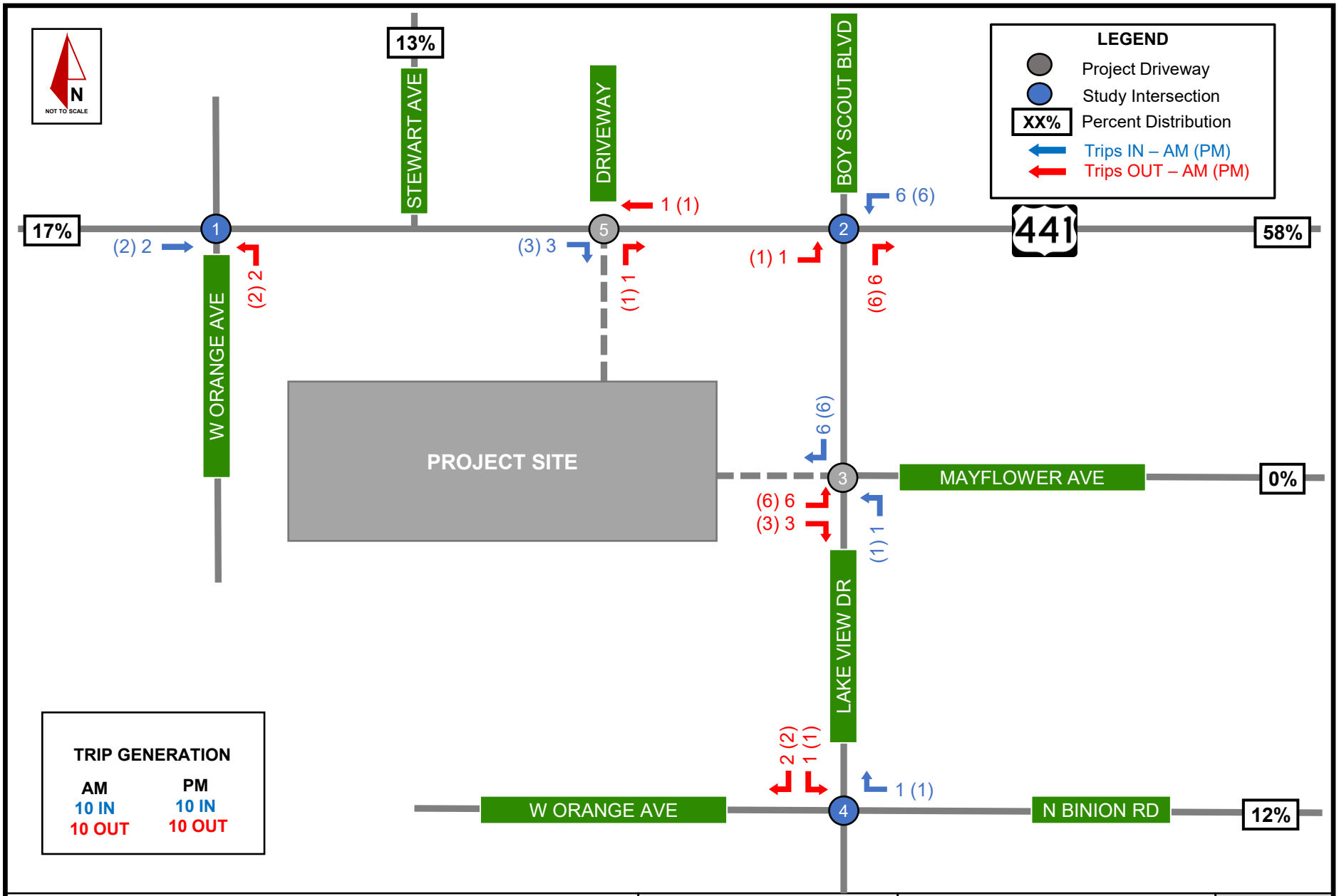

Figure 3: Project Trip Assignment

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April 2026
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Daytona Beach, FL 32117
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4.0 BACKGROUND CONDITIONS ANALYSIS – YEAR 2026

4.1 BACKGROUND TRAFFIC

Traffic conditions were evaluated for the year 2026 background conditions, which do not include project trips on the roadway network. Background volumes were developed by applying a growth rate calculated from historical Annual Average Daily Traffic (AADT) obtained through City of Apopka CMS Traffic Counts. Growth rates per segment were obtained through the Apopka CMS tables and compared to a weighted average by AADT as shown in **Table 3**.

Table 3: Growth Rate Determination

Station	Road	From	To	Year 2022 ADT	Trend Historical Growth Rate
550	**US 441**	Plymouth Sorrento	Boy Scout Blvd	28,817	2.70%
82.1	**US 441**	Boy Scout Blvd	Errol Parkway	33,617	2.50%
				Normal Average	2.60%
				Weighted Average[1]	**2.59%**

4.2 BACKGROUND INTERSECTION ANALYSIS

An intersection operational analysis was performed for the year 2026 background conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual, 7th Edition* with *Synchro* (v12) software. Intersection level of service (LOS) and maximum volume to capacity (v/c) ratios for background conditions are provided in **Table 4**. Signal timings are provided in **Appendix F** and *Synchro* outputs are provided in **Appendix G**.

All study area intersection approaches and movements operate similar to existing conditions.

Table 4: Background Intersection Conditions

#	Intersection Name	Movement/ Approach/ Intersection	Background AM				Background PM			
			LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)	LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)
1	W Orange Ave/T.L Smith Road & US 441 *(Signalized)*	EBL	A	1.4	0.03	0	A	2.8	0.02	0
		EBT	A	1.7	0.31	3	A	3.4	0.32	6
		EBR	A	1.6	0.20	2	A	2.9	0.17	2
		WBL	F	97.3	0.82	7	F	107.8	0.80	6
		WBT	A	0.2	0.20	0	A	1.1	0.29	1
		WBR	-	0.0	0.00	0	A	1.1	0.29	1
		NBL	E	56.5	0.46	11	E	68.5	0.72	21
		NBT	-	-	-	-	-	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	D	48.9	0.01	0	D	49.7	0.03	1
		SBT	-	-	-	-	-	-	-	-
		SBR	-	-	-	-	-	-	-	-
		NB	E	56.5	-	-	E	68.5	-	-
		SB	D	48.9	-	-	D	49.7	-	-
		EB	A	1.7	-	-	A	3.3	-	-
		WB	B	10.4	-	-	A	7.2	-	-
		Intersection	**A**	**9.4**	-	-	**B**	**13.4**	-	-
2	Lakeview Dr/Boy Scout Rd & US 441 *(Signalized)*	EBL	B	15.4	0.01	0	C	20.8	0.02	0
		EBT	C	26.0	0.60	22	C	28.9	0.51	21
		EBR	C	26.0	0.60	23	C	28.8	0.51	21
		WBL	F	136.3	0.97	15	F	111.1	0.90	15
		WBT	A	9.4	0.30	9	B	14.7	0.50	18
		WBR	A	9.3	0.30	9	B	14.7	0.50	18
		NBL	F	82.3	0.85	19	F	90.8	0.89	26
		NBT	-	-	-	-	-	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	E	68.0	0.67	11	E	67.3	0.53	8
		SBT	-	-	-	-	-	-	-	-
		SBR	-	-	-	-	-	-	-	-
		NB	F	82.3	-	-	F	90.8	-	-
		SB	E	68.0	-	-	E	67.3	-	-
		EB	C	26.0	-	-	C	28.8	-	-
		WB	C	31.4	-	-	C	26.7	-	-
		Intersection	**D**	**36.4**	-	-	**D**	**36.6**	-	-
3	Lakeview Dr & Project Driveway/Mayflower Ave *(TWSC)*	EBL	B	-	0.02	0	C	-	0.02	0
		EBT	B	-	0.02	0	C	-	0.02	0
		EBR	B	-	0.02	0	C	-	0.02	0
		WBL	B	-	0.01	0	B	-	0.00	0
		WBT	B	-	0.01	0	B	-	0.00	0
		WBR	B	-	0.01	0	B	-	0.00	0
		NBL	A	-	0.01	0	A	-	0.00	0
		NBT	A	-	-	-	A	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	A	-	0.00	0	A	-	0.00	0
		SBT	A	-	-	-	A	-	-	-
		SBR	-	-	-	-	-	-	-	-
		EB	B	-	-	-	C	-	-	-
		WB	B	-	-	-	B	-	-	-
		Intersection	-	**0.3**	-	-	-	**0.2**	-	-
4	Lakeview Dr & Orange Ave/Binion Rd *(AWSC)*	EBL	C	15.3	0.50	-	C	22.6	0.70	-
		EBT	C	16.2	0.01	-	C	18.4	0.01	-
		EBR	-	-	0.62	-	-	-	0.67	-
		WBL	A	9.4	0.07	-	A	9.5	0.03	-
		WBT	-	-	0.01	-	-	-	0.01	-
		WBR	B	10.7	0.30	-	B	12.6	0.40	-
		NBL	-	-	0.23	-	-	-	0.12	-
		Intersection	**B**	**14.1**	-	-	**C**	**18.4**	-	-

5.0 BUILDOUT CONDITIONS ANALYSIS – YEAR 2026

5.1 BUILDOUT TRAFFIC

Future traffic conditions were evaluated for the buildout year 2026. Buildout volumes were developed by adding anticipated project trips to background volumes. **Appendix E** provides the adjusted turning movement volume worksheets for all intersections. **Figures 4 and 5** illustrate turning movement volumes for buildout conditions at the study intersections during the AM and PM peak hours, respectively.

5.2 BUILDOUT INTERSECTION ANALYSIS

An intersection operational analysis was performed for the year 2026 buildout conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual, 7th Edition,* with *Synchro* (v12) software. Intersection level of service (LOS) and maximum volume to capacity (v/c) ratios for buildout conditions are provided in **Table 5**. Signal timings are provided in **Appendix F** and Synchro outputs are provided in **Appendix G**.

All study area intersection movements operate similar to background conditions. No deficiencies are anticipated as a result of project trips.

Table 5: Buildout Intersection Conditions

#	Intersection Name	Movement/ Approach/ Intersection	Buildout AM				Buildout PM			
			LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)	LOS	Delay (sec)	V/C Ratio	Queue (Veh/ln)
1	W Orange Ave/T.L Smith Road & US 441 *(Signalized)*	EBL	A	1.4	0.03	0	A	2.8	0.02	0
		EBT	A	1.7	0.31	3	A	3.4	0.32	6
		EBR	A	1.6	0.20	2	A	2.9	0.17	3
		WBL	F	97.3	0.82	7	F	107.7	0.80	6
		WBT	A	0.2	0.20	0	A	1.1	0.29	2
		WBR	-	0.0	0.00	0	A	1.1	0.29	2
		NBL	E	56.7	0.47	11	F	810.4	2.58	54
		NBT	-	0.0	0.00	0	-	0.0	0.00	0
		NBR	-	0.0	0.00	0	-	0.0	0.00	0
		SBL	D	48.9	0.01	0	D	49.7	0.03	1
		SBT	-	0.0	0.00	0	-	0.0	0.00	0
		SBR	-	0.0	0.00	0	-	0.0	0.00	0
		NB	E	56.7	-	-	F	810.4	-	-
		SB	D	48.9	-	-	D	49.7	-	-
		EB	A	1.7	-	-	A	3.3	-	-
		WB	B	10.4	-	-	A	7.2	-	-
		Intersection	**A**	**9.4**	-	-	**F**	**107.9**	-	-
2	Lakeview Dr/Boy Scout Rd & US 441 *(Signalized)*	EBL	B	15.7	0.01	0	C	21.1	0.03	0
		EBT	C	26.4	0.60	23	C	29.1	0.50	21
		EBR	C	26.3	0.60	23	C	29.1	0.50	21
		WBL	F	147.2	1.00	16	F	111.6	0.91	16
		WBT	A	9.5	0.31	9	B	14.9	0.50	18
		WBR	A	9.5	0.31	9	B	14.9	0.50	18
		NBL	F	82.7	0.86	20	F	90.9	0.89	27
		NBT	-	0.0	0.00	0	-	0.0	0.00	0
		NBR	-	0.0	0.00	0	-	0.0	0.00	0
		SBL	E	67.5	0.66	11	E	67.1	0.53	8
		SBT	-	0.0	0.00	0	-	0.0	0.00	0
		SBR	-	0.0	0.00	0	-	0.0	0.00	0
		NB	F	82.7	-	-	F	90.9	-	-
		SB	E	67.5	-	-	E	67.1	-	-
		EB	C	26.3	-	-	C	29.1	-	-
		WB	C	34.2	-	-	C	27.2	-	-
		Intersection	**D**	**37.7**	-	-	**D**	**37.1**	-	-
3	Lakeview Dr & Project Driveway/Mayflower Ave *(TWSC)*	EBL	B	-	0.04	0	C	-	0.05	0
		EBT	B	-	0.04	0	C	-	0.05	0
		EBR	B	-	0.04	0	C	-	0.05	0
		WBL	B	-	0.01	0	C	-	0.00	0
		WBT	B	-	0.01	0	C	-	0.00	0
		WBR	B	-	0.01	0	C	-	0.00	0
		NBL	A	-	0.01	0	A	-	0.00	0
		NBT	A	-	-	-	A	-	-	-
		NBR	-	-	-	-	-	-	-	-
		SBL	A	-	0.00	0	A	-	0.00	0
		SBT	A	-	-	-	A	-	-	-
		SBR	-	-	-	-	-	-	-	-
		EB	B	-	-	-	C	-	-	-
		WB	B	-	-	-	C	-	-	-
		Intersection	-	**0.6**	-	-	-	**0.5**	-	-
4	Lakeview Dr & Orange Ave/Binion Rd *(AWSC)*	EBL	C	16.2	0.52	-	C	23.8	0.72	-
		EBT	-	-	-	-	-	-	-	-
		EBR	-	-	-	-	-	-	-	-
		WBL	A	9.3	0.01	-	A	9.5	0.01	-
		WBT	-	-	-	-	-	-	-	-
		WBR	C	17.8	0.63	-	B	10.8	0.03	-
		NBL	B	-	0.07	-	A	9.8	0.01	-
		Intersection	**C**	**15.3**	-	-	**C**	**19.7**	-	-
5	North Project Driveway & US 441 *(TWSC)*	EBT	-	-	-	-	-	-	-	-
		EBR	-	-	-	-	-	-	-	-
		WBT	-	-	-	-	-	-	-	-
		NBR	B	-	0.00	0	B	-	0.00	0
		NB	B	-	-	-	B	-	-	-
		Intersection	-	**0.0**	-	-	-	**0.0**	-	-

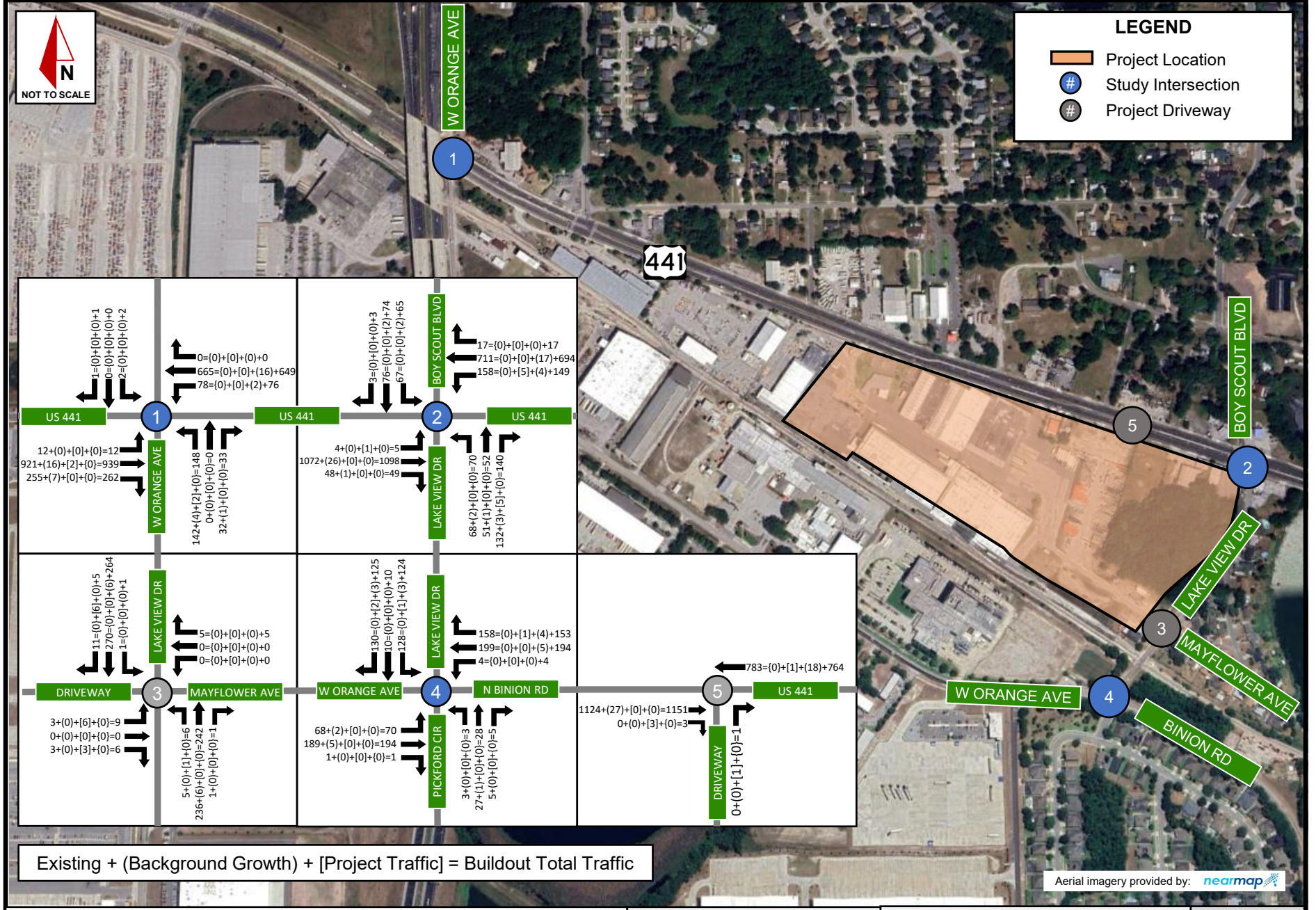

Figure 4: Intersection Volumes – AM Peak Hour

Apopka Cold Storage | City of Apopka, FL

April 2026
Project No.: 049607003

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Phone: 386 271 0282

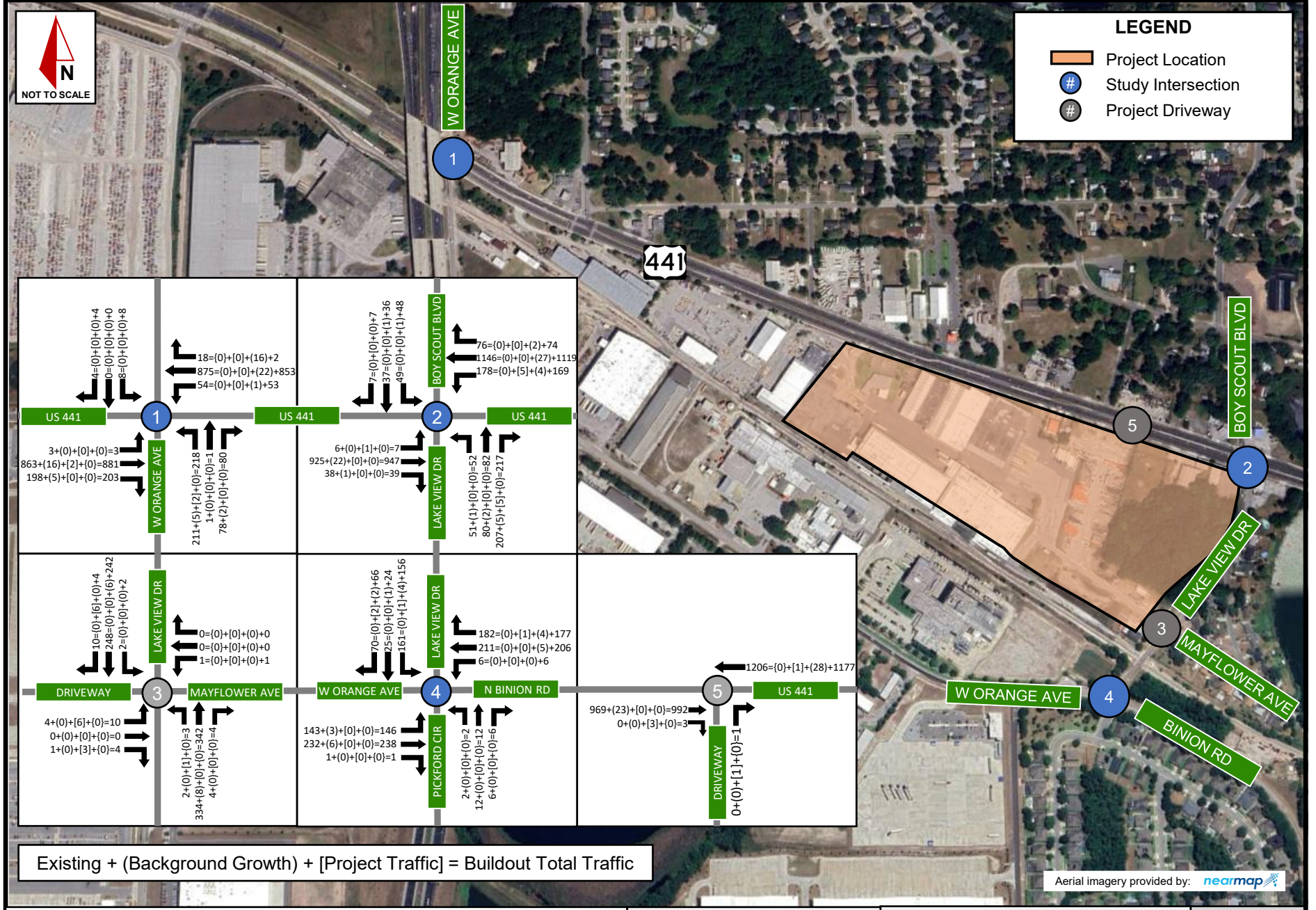

Figure 5: Intersection Volumes – PM Peak Hour

Apopka Cold Storage | City of Apopka, FL

April 2026
Project No.: 049607003

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Phone: 386 271 0282

5.3 TURN LANE ANALYSIS

Per NCHRP Report 457 standards, the need for a major right-turn lane on the major approach is determined by comparing the right-turning volumes with the approach volume. The need for a major left-turn lane on the major approach is determined by comparing the percent of left-turning vehicles with the number of opposing vehicles.

The need for turn lanes at the intersection of Lake View Drive & Project Driveway and the intersection of US 441& North Project Driveway were evaluated based on the thresholds established in the NCHRP Report 457 (output provided in **Appendix J**). The highest peak hour period was analyzed for each intersection. Based on NCHRP standards, right-turn lanes or left-turn lanes are **not warranted**.

In addition to the turn lane requirements at the project driveway, the westbound left turn lane and eastbound left lane at the intersection of US 441 & Lakeview Drive were evaluated to determine if the existing turn lanes can accommodate the anticipated queue and provide the required deceleration length. Per FDOT FDM Exhibit 212-1, the required deceleration length for a road with a design speed limit of 50 MPH and a context classification of C3 is 290 feet (note that the actual speed limit along US 441 is 45 MPH).

Traffic analysis for the westbound left during the PM peak hour indicates a Buildout 95th percentile queue of 400 feet (15.7 vehicles) and a Background 95th percentile queue of 400 feet (15.2 vehicles). The project impact is expected to increase the queue by less than one vehicle. Nevertheless, the existing 300-ft turn lanes will be extended to provide a total of 390 feet which can effectively accommodate 15 vehicles (15 veh x 25 ft = 375 feet).

Traffic analysis for the eastbound left during the PM peak hour indicates a Buildout 95th percentile queue of 25 feet (1 vehicle) and a Background 95th percentile queue of 25 feet (1 vehicle). The existing turn lane is 450 feet long. Therefore, no turn lane extension is required.

6.0 SEGMENT ANALYSIS

A segment analysis was conducted for the following roadway segments for Existing, Background, and Buildout scenarios:

1. US 441 from SR 429 Connector to Plymouth Sorrento Road
2. US 441 from Plymouth Sorrento Road to Boy Scout Boulevard
3. US 441 from Boy Scout Boulevard to Errol Parkway
4. Lake View Drive from US-441 to W Orange Avenue

Year 2025 traffic counts were obtained from City of Apopka CMS tables. Background volumes (Year 2026) were developed by applying the relevant growth rate to existing volumes. Buildout volumes (Year 2026) were calculated by adding project trips to the background scenario. Roadway capacities were provided by Apopka CMS as shown in **Appendix K.**

As shown in **Table 7**, all roadway segments under all scenarios operate within acceptable levels of service with sufficient cap and v/c ratios less than 1.0.

Table 6: Roadway Segment Analysis

Road[1]	Agency	Functional Classification	Roadway Attributes			Existing 2025		Background 2026			Buildout 2026			
											PM Peak Hour Trips = 18			
			No. of Lanes	Adopted LOS	Peak Directional Capacity[1]	2025 PM Peak[1]	V/C Ratio	Encumbered	2026 PM Peak	V/C Ratio	% Assign	Project Trips	2026 PM Peak	V/C Ratio
US 441 from SR 429 Connector to Plymouth Sorrento Road	FDOT	Major Arterial	4	D	2,480	1,857	0.75	7	1,901	0.77	30%	5	1,907	0.77
US 441 from Plymouth Sorrento Road to Boy Scout Blvd	City	Major Arterial	4	D	2,480	1,149	0.46	10	1,190	0.48	30%	5	1,195	0.48
US 441 from Boy Scout Blvd to Errol Parkway	County	Major Arterial	4	D	2,600	1,351	0.52	22	1,407	0.54	30%	5	1,412	0.54
Lake View Drive from US-441 to W Orange Avenue[2,3]	City	Minor Collector	2	D	1,070	340	0.32	0	349	0.33	100%	18	367	0.34

[1] Taken from the *2025 City of Apopka CMS Tables*

[2] The Generalized Peak Directional capacity was used for this segment given it is not listed in the 2025 City Of Apopka CMS Tables

[3] Peak directional volume taken for TMC collected along Lake View Drive

7.0 CONCLUSION

This traffic impact analysis was performed to assess the traffic impacts associated with a proposed industrial development consisting of a 168,180 square foot (168.18 KSF) cold storage facility to be located in City of Apopka, Florida. The development is situated south of US 441, east of SR 429. The site currently has an existing structure as well as vacant land.

Based on trip rates from the 11th Edition ITE *Trip Generation Manual* for Land Use Code (LUC) 157 – High-Cube Cold Storage Warehouse, a total of 378 new daily trips, 20 new AM peak hour trips (10 inbound and 10 outbound), and 20 new PM peak hour trips (10 inbound and 10 outbound) are expected at the project driveways.

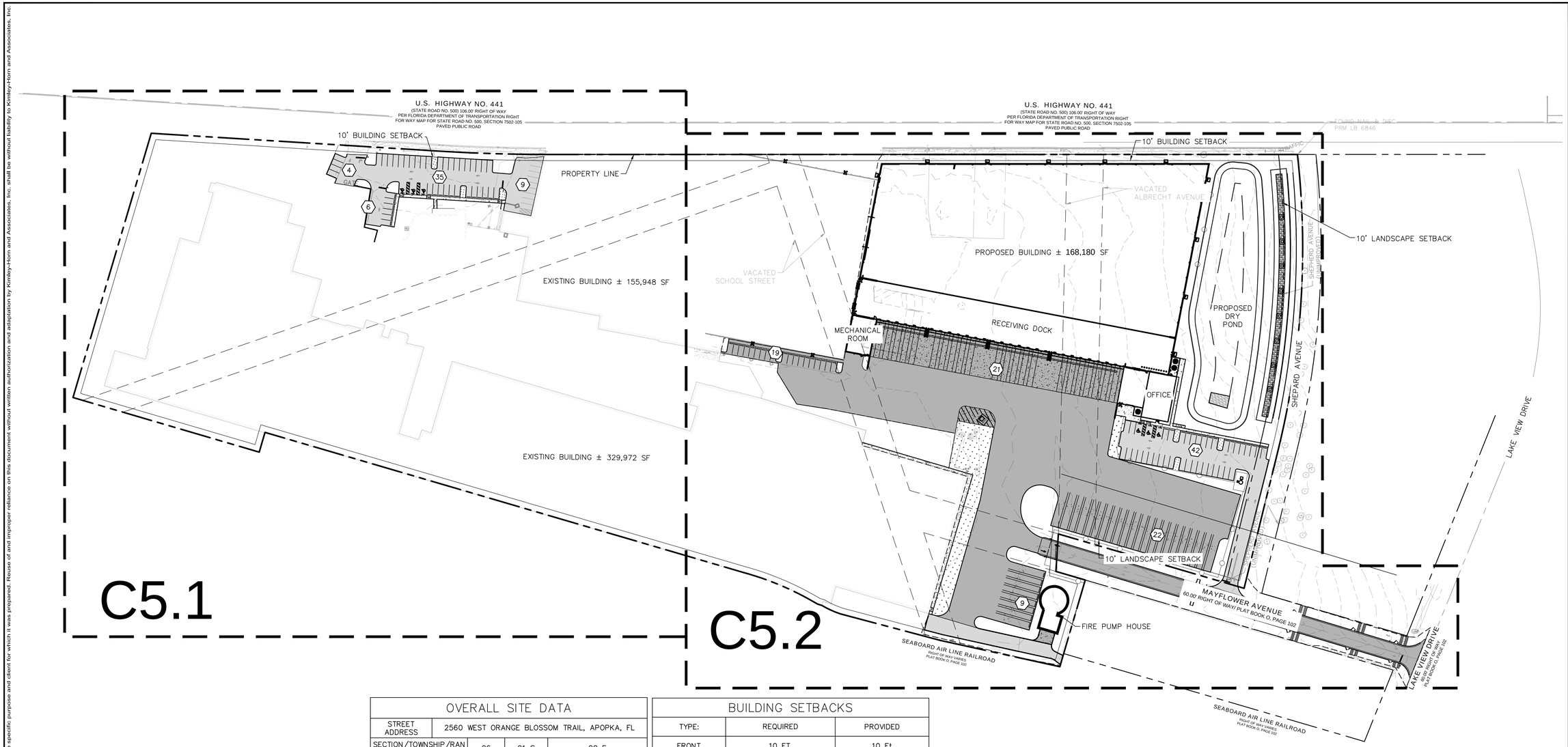
Intersection operational analyses were performed for the study area intersections under existing and future scenarios. No deficiencies were identified as a result of project trips.

The existing westbound left will be extended to accommodate the anticipated 15 vehicle queue for a total of 390 feet.

A segment analysis was conducted as shown in **Table 6**. All roadway segments under all scenarios operate with excess capacity and v/c ratios less than 1.0.

APPENDIX A
Site Plan

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- PROPERTY LINE
- CENTER LINE
- BUILDING SETBACKS
- LANDSCAPE BUFFER
- EASEMENT / SETBACK LINE
- PARKING COUNT
- LIGHTS AND LIGHT POLE (SHOWN FOR COORDINATION PURPOSES ONLY)
- PROPOSED STANDARD DUTY ASPHALT. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT. REFER TO DETAIL 1, SHEET C8.0
- STANDARD CONCRETE SIDEWALK SECTION. REFER TO DETAIL 1, SHEET C8.0
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT REFER TO DETAIL 1, SHEET C8.0
- LANDSCAPE/SOD AREA

OVERALL SITE DATA

STREET ADDRESS	2560 WEST ORANGE BLOSSOM TRAIL, APOPKA, FL		
SECTION/TOWNSHIP/RANGE	06	21 S	28 E
ZONING	I-L	LIGHT INDUSTRIAL	
PARCEL AREA	±28.09 AC		
ONSITE AREA OF WORK/ LIMITS OF DISTURBANCE	±11.694 AC ONSITE LOD		
OFFSITE IMPROVEMENTS AREA	±0.840 AC MAYFLOWER AVE IMPROVEMENTS		
PROPOSED BUILDING AREA	~ 168,180 SF (±3.87 AC)		

OPEN SPACE CALCULATION

TYPE	REQUIRED	PROVIDED
PERVIOUS AREA (OPEN SPACE)	0.585 AC (5% OF LOD AREA)	±1.87 AC (16%)

BUILDING SETBACKS

TYPE:	REQUIRED	PROVIDED
FRONT	10 FT.	10 Ft
SIDE	10 FT.	10 Ft
REAR	10 FT.	10 Ft
STREET	10 FT.	10 Ft

ADJACENT PROPERTY DATA

DIRECTION FROM SITE:	ZONING	USE
NORTH	N/A	FDOT ROAD
EAST	I-L	LIGHT INDUSTRIAL
SOUTH	I-L	LIGHT INDUSTRIAL
WEST	T	TRANSITIONAL

PARKING PLAN

PARKING TYPE	REQUIRED	PROPOSED
REGULAR SPACES	57.2	58
ADA SPACES	3	3
TOTAL PARKING	60.2	61
LOADING BERTH	14	21
SEMI TRUCK SPACES	–	31

EXISTING OFFICE PARKING MODIFICATIONS

	EXISTING	PROPOSED
PARKING SPACES	33	54

GREEN BUILDING STANDARDS

PROPOSED GREEN BUILDING STANDARDS:

LOCATION: DEVELOPMENT ON PREVIOUSLY USED OR	0.50 PT DEVELOPED LAND
ENERGY CONSERVATION: INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE DWELLING UNITS IN A SUBDIVISION. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING. INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE BUILDINGS IN A MULTI-BUILDING DEVELOPMENT. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING	1.50 PT
TRANSPORTATION: PROVIDE MORE BICYCLE PARKING THAN REQUIRED BY SEC. 5.1.11, BICYCLE PARKING STANDARDS, WHILE ENSURING THAT ALL OTHER BICYCLE PARKING STANDARDS IN SECTION 5.1, OFF-STREET PARKING, BICYCLE PARKING, AND LOADING STANDARDS ARE MET	0.50 PT
PROVIDE A MINIMUM OF TWO ELECTRIC VEHICLE (EV) LEVEL 3 CHARGING STATIONS THAT ARE MADE AVAILABLE IN A PARKING STRUCTURE OR OFF-STREET PARKING LOT TO THOSE USING THE BUILDING	0.75 PT
PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE SIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING ENTRANCE	0.25 PT
RESILIENCY TO NATURAL HAZARDS ESTABLISH OPERATING PROCEDURES FOR HOW THE PROJECT WILL HANDLE LOSS OF OFF-SITE OR GRID POWER, TRANSITION TO A BACKUP SOURCE OF POWER, AND TRANSITION BACK TO NORMAL OPERATION	0.50 PT
TOTAL	4.00 PT

GENERAL NOTES:

1. ALL RADII ARE TO BE 3' OR 10' UNLESS OTHERWISE NOTED.
2. ALL MEASUREMENTS TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS, WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.
4. HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICAN WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.
5. DETECABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
6. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC.
7. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARD PLANS (INDEXES), THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.
8. PROPOSED BUILDINGS TO MEET MINIMUM REQUIREMENTS FOR GREEN BUILDING STANDARDS IN ACCORDANCE TO LDC 5.11.4.A.2.b.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160
1" = 80'
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No.	REVISIONS	DATE	BY
1	CITY COMMENTS DATED 2025/11/04	12/02/2025	AG
2	SJRWMD COMMENTS DATED 2025/11/05	12/02/2025	ARP
3	APOPKA MDP PLANNING COMMENTS	01/08/2026	JLM

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KHA PROJECT 049607003
DATE 4/23/26
SCALE AS SHOWN
DESIGNED BY DVS
DRAWN BY JAM
CHECKED BY JME

OVERALL SITE PLAN

APOPKA COLD STORAGE

FLORIDA

APOPKA

SHEET NUMBER C5.0

APPENDIX B
Traffic Impact Analysis Methodology Report

Kimley»Horn

MEMORANDUM

To: Jean Sanchez, Senior Planner
City of Apopka

From: Emanuelle D Rodriguez Muñiz, P.E., IMSA[1]
Kimley-Horn and Associates, Inc.

Date: April 1, 2025

Subject: Traffic Impact Analysis (TIA) Methodology
Apopka Cold Storage – City of Apopka, FL

PURPOSE

The following memorandum is a Traffic Impact Analysis (TIA) methodology for the above-referenced project in City of Apopka, FL. The forthcoming TIA will generally conform to the methodology herein and the guidelines as established by of the City of Apopka.

PROJECT DESCRIPTION

The proposed project is an industrial development generally located north of US 441, east of SR 429, and south of Old Dixie Highway. The site currently has an existing structure as well as vacant land to be developed. The development program is composed of a 147,624 square foot (147.6 KSF) cold storage facility. The project is anticipated to be built out by the year 2026.

Access to the site will be provided via full access along Lake View Drive. The conceptual site plan is provided in **Attachment A.**

EXISTING CONDITIONS (OPERATIONAL ANALYSIS)

Turning movement counts (TMC) will be collected during the AM peak period (7:00AM - 9:00AM) and PM peak period (4:00PM - 6:00PM) at the study area intersections. The data will be adjusted using the respective seasonal factor from FDOT's *Florida Traffic Online* database.

Intersection capacity analyses will be performed for existing AM and PM peak hour conditions using the operational analysis procedures outlined in the *Highway Capacity Manual 7th Edition*. Specifically, Synchro (v12) software will be used to evaluate existing operational conditions at study area intersections and driveways by reporting volume-to-capacity (v/c) ratios, delay, and queue length demands.

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TRIP GENERATION

Trip generation for the proposed development was calculated per procedures published in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 11th Edition*. Land Use Code (LUC) 157 – High-Cube Cold Storage Warehouse has an R-squared value greater than 0.70 and therefore a fitted curve equation should be applied to calculate trip ends. As the independent variable (KSF) for the project is less than the smallest site surveyed by ITE, the fitted curve equation produces negative trips. To increase the KSF, the existing square footage of cold storage on the site (503.6 KSF) was added to the proposed square footage (147.6 KSF) totaling 651.2 KSF. This number resulted in positive trip generation for each time period as shown in **Table 1**. The associated trip rates were then applied to the proposed 147.6 KSF resulting in 327 daily trips, 18 AM peak hour trips, and 18 PM peak hour trips as shown in **Table 2**.

Table 1: Existing & Proposed Building – Trip Generation

	Land Use	ITE LUC[1]	Size	Units	ITE Trip Rate[1]	Daily				
						Total	In[1]		Out[1]	
Daily	High-Cube Cold Storage Warehouse	157	**651.2**	KSF	2.21	1,439	*50%*	720	*50%*	719
						1,439	**720**		**719**	
	Land Use	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**AM Peak Hour**				
						Total	**In[1]**		**Out[1]**	
AM Peak Hour	High-Cube Cold Storage Warehouse	157	**651.2**	KSF	0.12	78	*50%*	39	*50%*	39
						78	**39**		**39**	
	Land Use	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**PM Peak Hour**				
						Total	**In[1]**		**Out[1]**	
PM Peak Hour	High-Cube Cold Storage Warehouse	157	**651.2**	KSF	0.12	78	*50%*	39	*50%*	39
						78	**39**		**39**	

Notes: [1] *Vehicle trip rates and directional splits per ITE Trip Generation Manual, 11th Edition*

Table 2: Proposed Building – Trip Generation

	Land Use	ITE LUC[1]	Size	Units	ITE Trip Rate[1]	Daily				
						Total	In[1]		Out[1]	
Daily	High-Cube Cold Storage Warehouse	157	**147.6**	KSF	2.21	327	*50%*	164	*50%*	163
						327	**164**		**163**	
	Land Use	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**AM Peak Hour**				
						Total	**In[1]**		**Out[1]**	
AM Peak Hour	High-Cube Cold Storage Warehouse	157	**148**	KSF	0.12	18	*50%*	9	*50%*	9
						18	**9**		**9**	
	Land Use	**ITE LUC[1]**	**Size**	**Units**	**ITE Trip Rate[1]**	**PM Peak Hour**				
						Total	**In[1]**		**Out[1]**	
PM Peak Hour	High-Cube Cold Storage Warehouse	157	**148**	KSF	0.12	18	*50%*	9	*50%*	9
						18	**9**		**9**	

Notes: [1] *Vehicle trip rates and directional splits per ITE Trip Generation Manual, 11th Edition*

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STUDY AREA

Based on City of Apopka Land Development Code, Section 7 – Concurrency Management System, the study area includes roadway segments and intersections within a ½ mile radius as shown in **Figure 1**. However, on account of low trip generation the following will be analyzed in the TIA:

For intersections, the following will be analyzed in the TIA:

1. US 441 & Lake View Drive (*signalized*)
2. Lake View Drive & Mayflower Avenue (*direct connection*)

The following roadway segments are included in the analysis:

1. US 441 from SR 429 Connector to Plymouth Sorrento Road
2. US 441 from Plymouth Sorrento Road to Boy Scout Boulevard
3. US 441 from Boy Scout Boulevard to Errol Parkway

For the roadway segment analysis, forecasted project traffic will be assigned per the project distribution shown in **Attachment B**. Existing and encumbered trip data will be referenced from City of Apopka's 2022 CMS tables.

TRIP DISTRIBUTION AND TRIP ASSIGNMENT

Projected traffic demand of project trips on study roadways was derived with use of the latest adopted regional travel demand model. Land use data for the project was entered into a new traffic analysis zone (TAZ) within the Central Florida Regional Planning Model (CFRPM v7) model set and situated within the existing roadway network to appropriately represent project access. The select zone model distribution for the project was reviewed for logic. The proposed trip distribution, shown in **Figure 2** will be used to assign external project traffic to the study area intersections and driveway. The model output plot is provided in **Attachment B**.

BACKGROUND & BUILDOUT CONDITIONS (OPERATIONAL ANALYSIS)

Intersection capacity analyses will be performed for background (2026) and buildout (2026) AM and PM peak hour conditions using the operational analysis procedures outlined in the *Highway Capacity Manual 7th Edition*. Specifically, Synchro (v12) software will be used to evaluate volume-to-capacity (v/c) ratios, delay, and queue length demands.

A weighted average growth rate of the two road segments on the east and west of the US 441 / Boy Scout/Lake View intersection will be applied to calculate background volumes. **Table 3** shows the proposed growth rate of 2.59%. Buildout traffic volumes will be determined by combining background (2026) volumes with project traffic volumes.

Table 3: Proposed Growth Rate

Station	Road	From	To	Year 2022 ADT	Trend Historical Growth Rate
550	**US 441**	Plymouth Sorrento	Boy Scout Blvd	28,817	2.70%
82.1	**US 441**	Boy Scout Blvd	Errol Parkway	33,617	2.50%
				Normal Average	2.60%
				Weighted Average[1]	**2.59%**

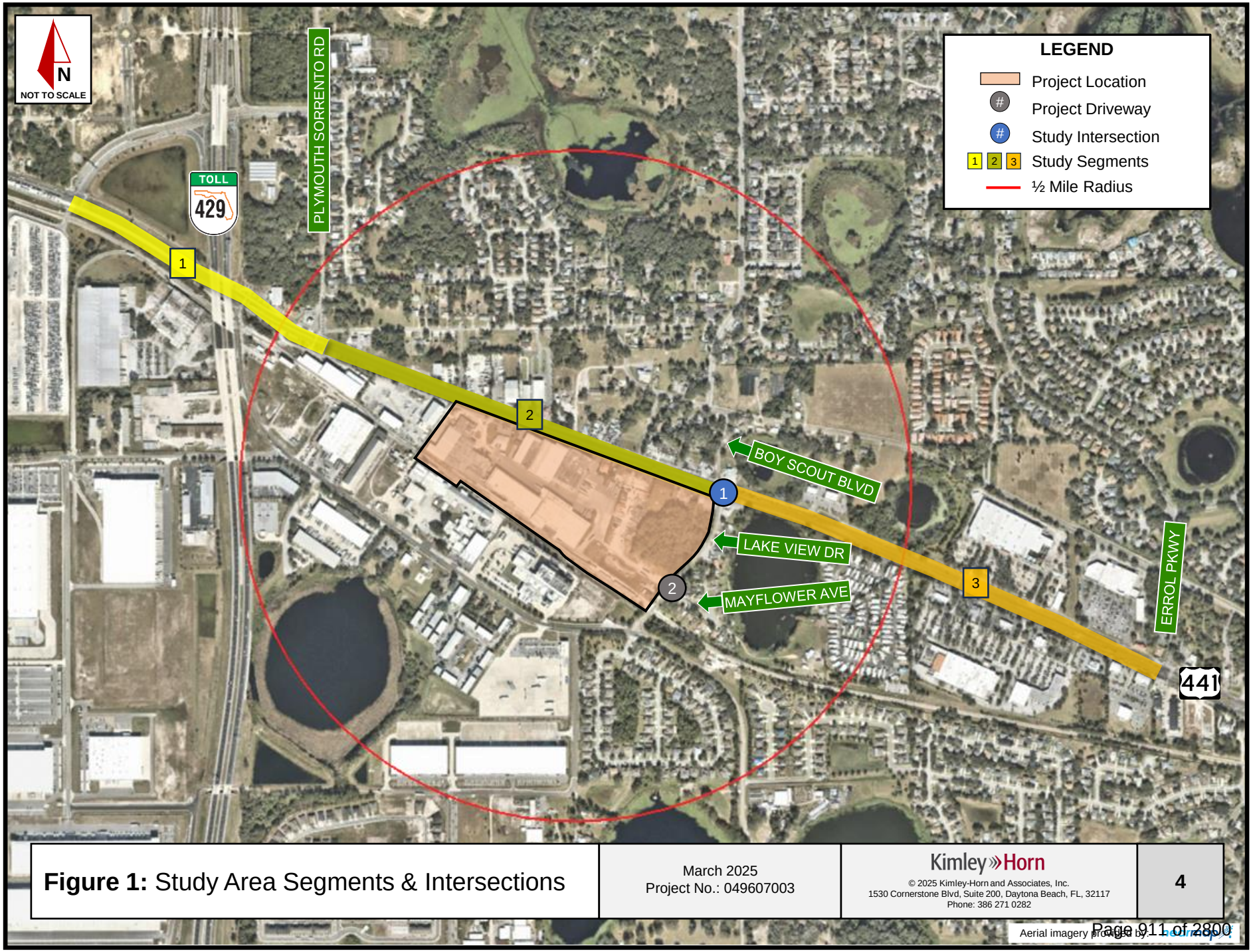

Figure 1: Study Area Segments & Intersections

March 2025
Project No.: 049607003

Kimley»Horn
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1530 Cornerstone Blvd, Suite 200, Daytona Beach, FL, 32117
Phone: 386 271 0282

4

Aerial imagery provided by Maxar

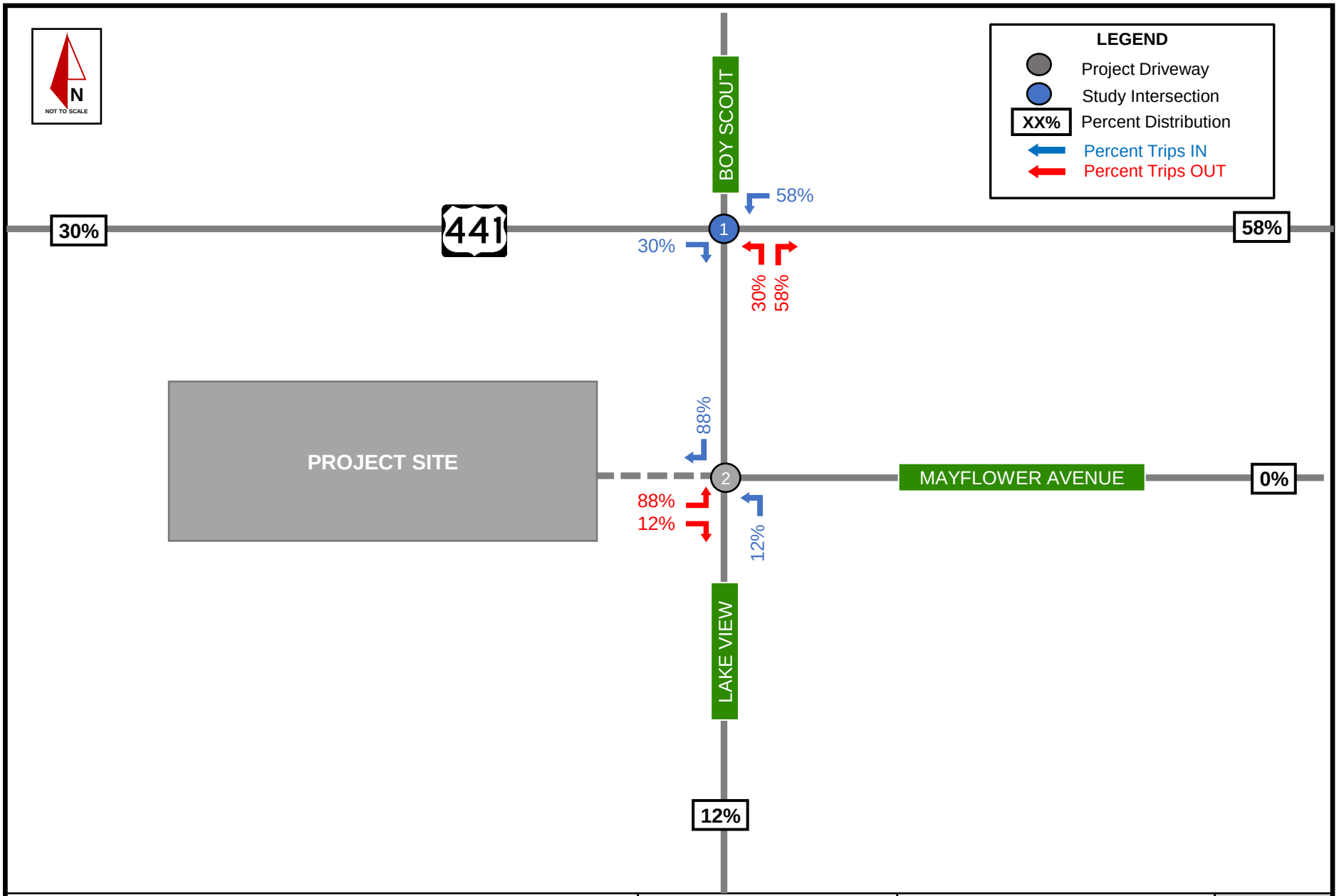


Figure 2: Project Trip Distribution

Apopka Cold Storage | City of Apopka, FL

March 2025
Project No.: 049607003

Kimley»Horn
© 2025 Kimley-Horn and Associates, Inc.
1530 Cornerstone Boulevard, Suite 200A
Daytona Beach, FL 32117
Phone: 386 271 0282

Kimley»Horn

SEGMENT ANALYSIS

A roadway segment analysis will be performed for the PM peak hour. The analysis will include existing, background, and buildout scenarios. Apopka CMS 2022 volumes will be grown by the annual trend provided in the Apopka 2022 CMS tables and shown in **Table 4**. If the trend is negative, then a minimum 2% will be applied. The percent will be applied per year to develop existing Year 2025 volumes and then per year to project Year 2026 background traffic. Buildout traffic volumes will be determined by combining background (2026) volumes with project traffic volumes. Project trips will be assigned to the roadway network in accordance with the project trip distribution.

Table 4: Proposed Growth Rates by Segment

Roadway Characteristics					Trend Historical Growth Rate
Station	Road	From	To	Year 2022 ADT	
940	**US 441**	SR 429	Plymouth Sorrento	24,804	2.00%[1]
550	**US 441**	Plymouth Sorrento	Boy Scout Blvd	28,817	2.70%
82.1	**US 441**	Boy Scout Blvd	Errol Parkway	33,617	2.50%

1. Negative growth rate per CMS table therefore minimum 2% will be applied

TURN LANE ANALYSIS

The need for turn lanes at the proposed driveway along Lake View Drive will be assessed per City Land Development Code and using NCHRP methodology.

Additionally, the City of Apopka has requested Intersection 1 (US 441 & Boy Scout/Lake View) have a turn lane analysis performed. This will be done using NCHRP methodology.

REPORT

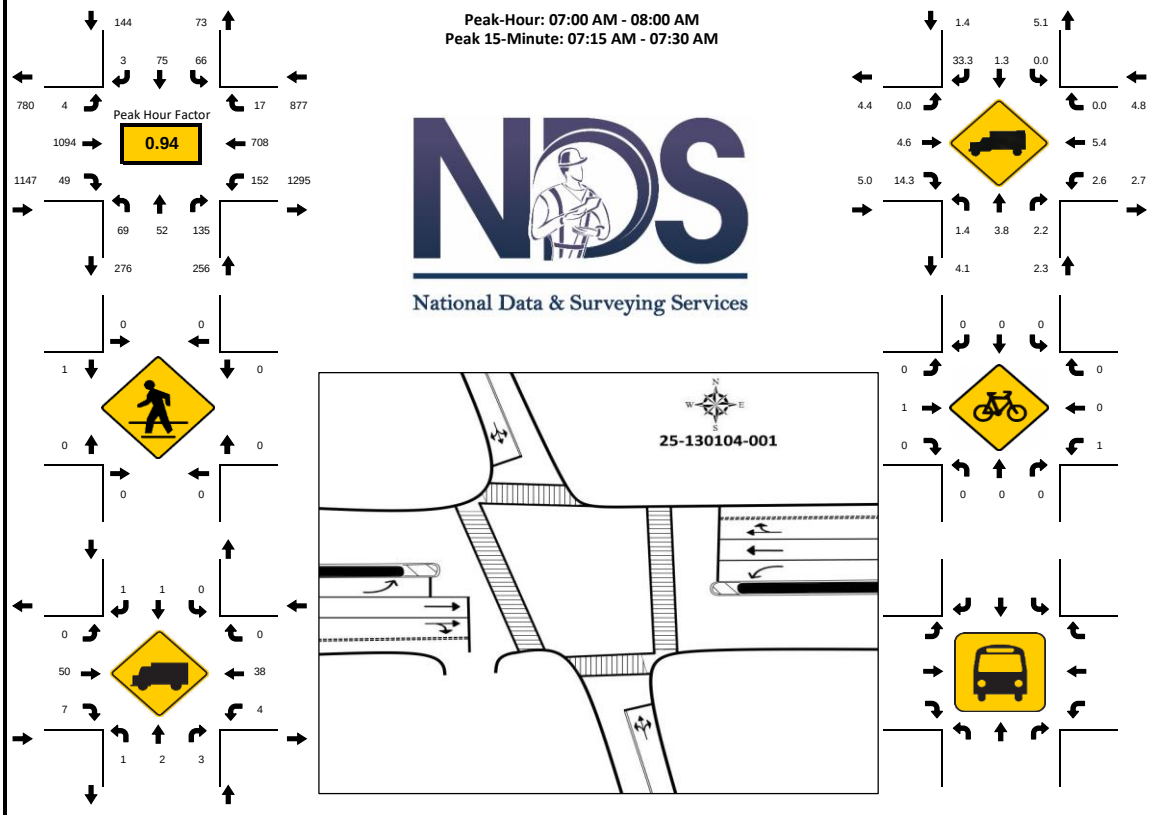
All analysis and findings will be documented in a report to be provided to the City of Apopka for review. If necessary, mitigating measures for any operational deficiencies identified due to project traffic impact will be recommended in the TIA.

APPENDIX C
Turning Movement Counts

LOCATION: Boy Scout Blvd/Lake View Dr & US 441/SR 500/W Orange Blossom Trail
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-001
DATE: Tue, Mar 25, 2025

Peak-Hour: 07:00 AM - 08:00 AM
Peak 15-Minute: 07:15 AM - 07:30 AM

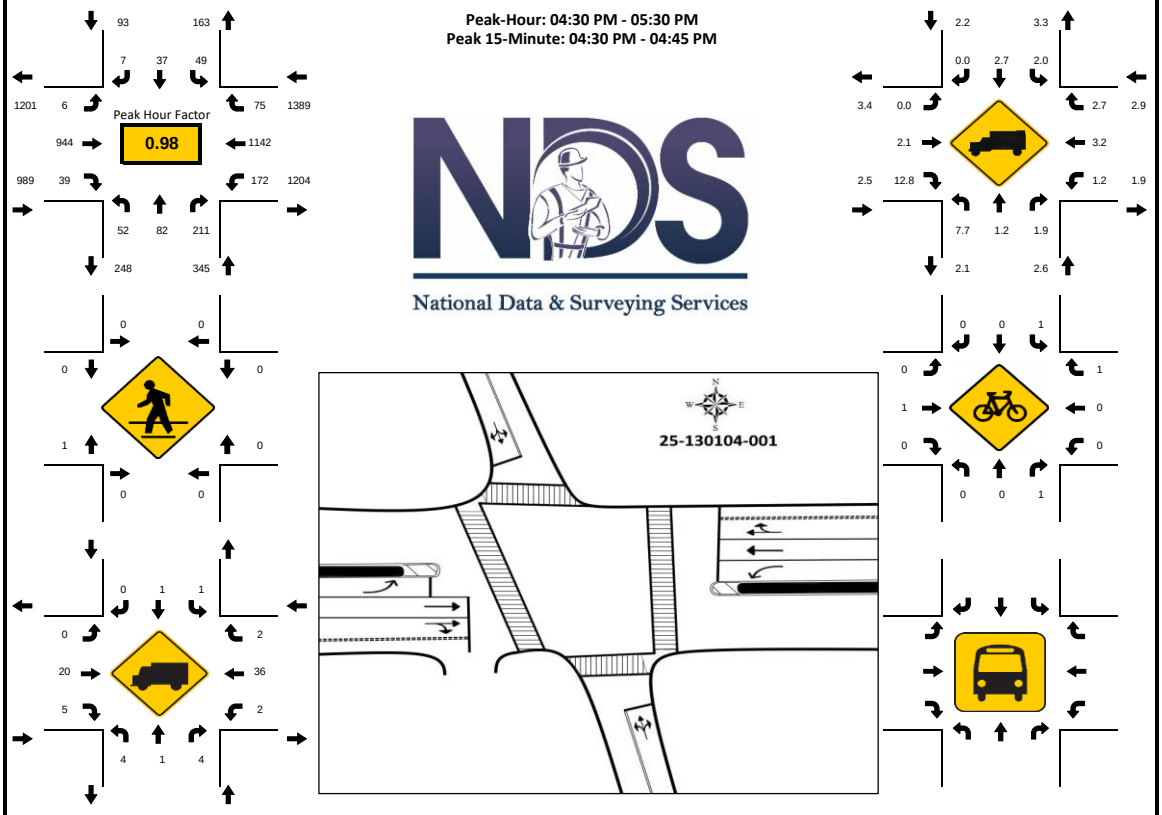


15-Min Count Period Beginning At	Boy Scout Blvd/Lake View Dr Northbound					Boy Scout Blvd/Lake View Dr Southbound					441/SR 500/W Orange Blossom T Eastbound					441/SR 500/W Orange Blossom T Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
7:00 AM	12	11	33	0		20	12	1	0		1	280	10	0		42	149	2	0		573	2424
7:15 AM	20	13	38	0		12	21	2	0		2	288	11	0		33	197	5	0		642	2386
7:30 AM	24	8	33	0		18	16	0	0		0	282	15	0		29	199	6	1		631	2283
7:45 AM	13	20	31	0		16	26	0	0		1	244	13	0		47	163	4	0		578	2211
8:00 AM	9	12	30	0		12	12	0	0		0	285	7	1		26	134	7	0		535	2142
8:15 AM	9	20	47	0		12	11	0	0		2	219	11	0		40	160	8	0		539	1607
8:30 AM	10	14	44	0		6	14	0	0		1	229	11	0		28	192	10	0		559	1068
8:45 AM	14	8	33	0		9	12	1	0		1	232	17	0		28	147	6	1		509	509
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	96	80	152	0		80	104	8	0		8	1152	60	0		188	796	24	4		**2752**	
Heavy Trucks	4	4	4	0		0	4	4	0		0	60	12	0		8	60	0	0		**160**	
Pedestrians		0					0					4					0				**4**	
Bicycles	0	0	0	0		0	0	0	0		0	4	0	0		4	0	0	0		**8**	
Buses																						
Stopped Buses																						

LOCATION: Boy Scout Blvd/Lake View Dr & US 441/SR 500/W Orange Blossom Trail
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-001
DATE: Tue, Mar 25, 2025

Peak-Hour: 04:30 PM - 05:30 PM
Peak 15-Minute: 04:30 PM - 04:45 PM

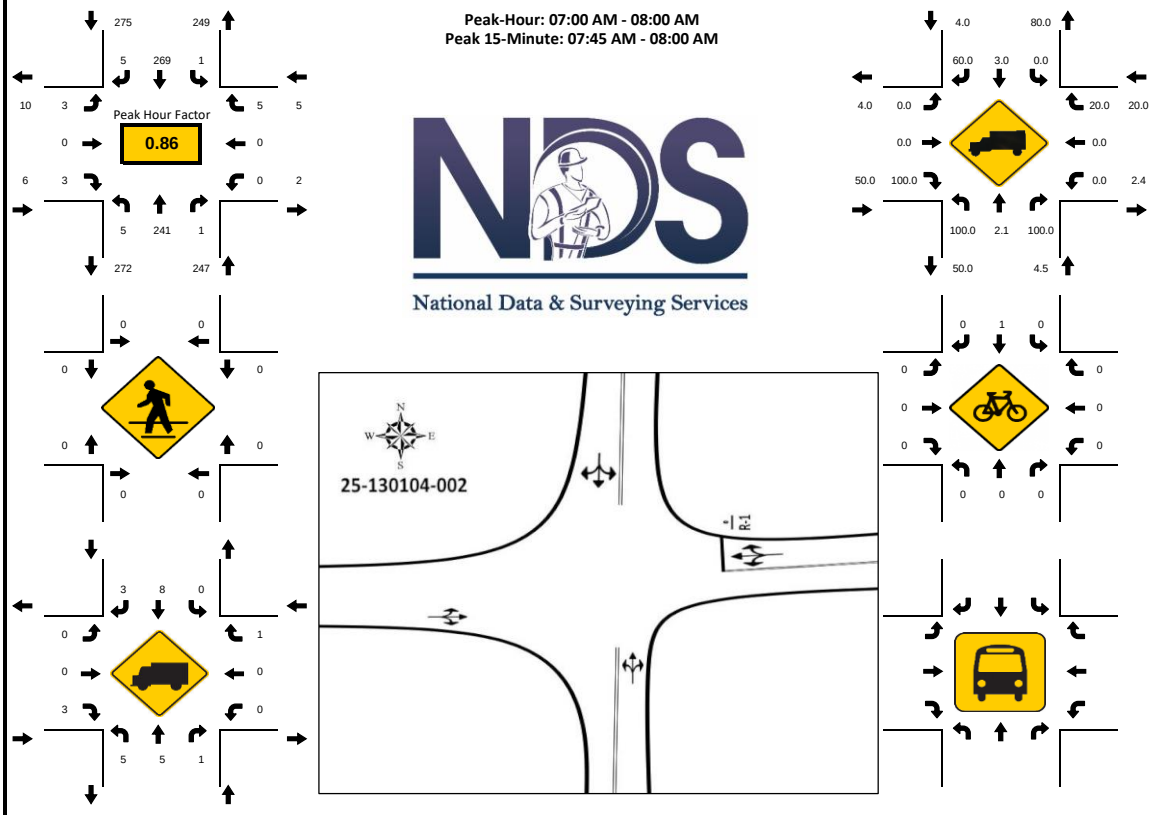


15-Min Count Period Beginning At	Boy Scout Blvd/Lake View Dr Northbound					Boy Scout Blvd/Lake View Dr Southbound					441/SR 500/W Orange Blossom T Eastbound					441/SR 500/W Orange Blossom T Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
4:00 PM	16	13	42	0		8	12	2	0		2	245	4	1		39	241	20	3		648	2713
4:15 PM	17	20	42	0		13	5	0	0		0	217	8	0		36	254	17	2		631	2754
4:30 PM	8	14	61	0		9	12	2	0		2	249	10	0		40	292	17	5		721	2816
4:45 PM	11	32	50	0		15	4	1	0		0	236	4	1		32	299	24	4		713	2799
5:00 PM	14	16	56	0		13	13	3	0		2	211	12	1		53	277	17	1		689	2752
5:15 PM	19	20	44	0		12	8	1	0		0	248	13	0		35	274	17	2		693	2063
5:30 PM	7	19	68	0		3	13	2	0		3	258	6	0		50	251	22	2		704	1370
5:45 PM	15	19	51	0		11	13	2	0		0	243	7	2		31	252	20	0		666	666
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	76	128	244	0		60	52	12	0		8	996	52	4		212	1196	96	20		**3156**	
Heavy Trucks	8	4	8	0		4	4	0	0		0	28	12	0		4	60	4	0		**136**	
Pedestrians		0					0					4					0				**4**	
Bicycles	0	0	4	0		4	0	0	0		0	4	0	0		0	0	4	0		**16**	
Buses																						
Stopped Buses																						

LOCATION: Lake View Dr & Mayflower Ave
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-002
DATE: Tue, Mar 25, 2025

Peak-Hour: 07:00 AM - 08:00 AM
Peak 15-Minute: 07:45 AM - 08:00 AM



15-Min Count Period Beginning At	Lake View Dr Northbound					Lake View Dr Southbound					Mayflower Ave Eastbound					Mayflower Ave Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
7:00 AM	2	59	1	0		1	61	2	0		0	0	1	0		0	0	1	0		128	533
7:15 AM	2	58	0	0		0	64	0	0		0	0	1	0		0	0	0	0		125	511
7:30 AM	0	64	0	0		0	56	1	0		0	0	0	0		0	0	4	0		125	504
7:45 AM	1	60	0	0		0	88	2	0		3	0	1	0		0	0	0	0		155	508
8:00 AM	0	54	0	1		1	47	1	0		0	0	0	0		1	0	1	0		106	467
8:15 AM	0	59	0	0		0	55	2	0		1	0	1	0		0	0	0	0		118	361
8:30 AM	1	74	0	0		1	53	0	0		0	0	0	0		0	0	0	0		129	243
8:45 AM	1	48	1	0		2	56	1	0		3	0	1	0		0	1	0	0		114	114
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	8	256	4	0		4	352	8	0		12	0	4	0		0	0	16	0		**664**	
Heavy Trucks	8	16	4	0		0	12	8	0		0	0	4	0		0	0	4	0		**56**	
Pedestrians		0					0					0					0				**0**	
Bicycles	0	0	0	0		0	4	0	0		0	0	0	0		0	0	0	0		**4**	
Buses																						
Stopped Buses																						

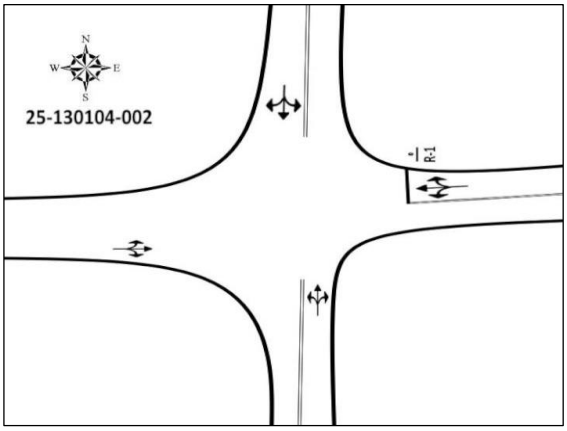
LOCATION: Lake View Dr & Mayflower Ave
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-002
DATE: Tue, Mar 25, 2025

Peak-Hour: 04:45 PM - 05:45 PM
Peak 15-Minute: 05:30 PM - 05:45 PM

Peak Hour Factor: 0.88

National Data & Surveying Services

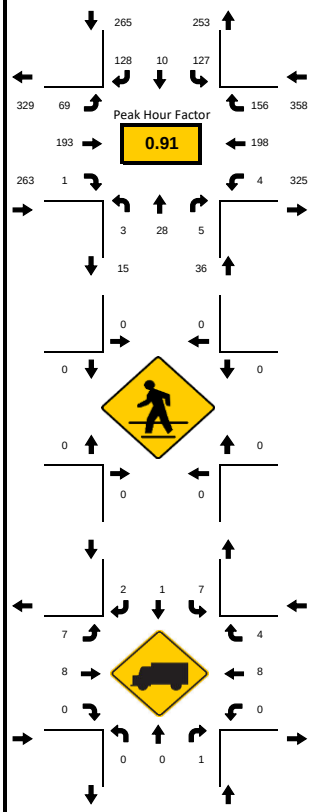


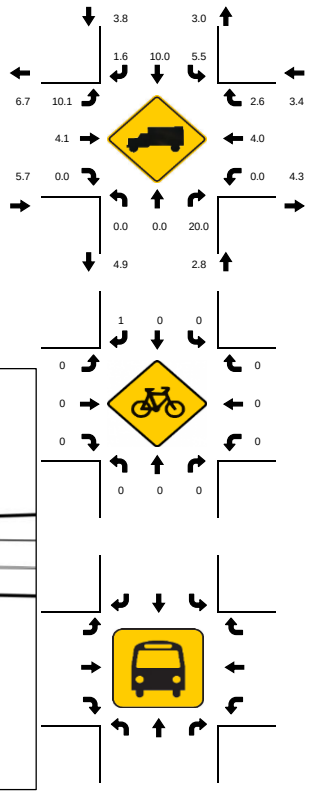
15-Min Count Period Beginning At	Lake View Dr Northbound					Lake View Dr Southbound					Mayflower Ave Eastbound					Mayflower Ave Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
4:00 PM	0	73	0	0		0	59	0	0		1	0	0	0		0	0	1	0		134	548
4:15 PM	0	74	0	0		1	46	0	0		1	0	1	0		0	0	0	0		123	574
4:30 PM	0	104	0	0		3	53	1	0		0	0	0	0		1	0	0	0		162	595
4:45 PM	1	74	1	0		0	53	0	0		0	0	0	0		0	0	0	0		129	606
5:00 PM	0	81	1	0		1	74	1	0		2	0	0	0		0	0	0	0		160	602
5:15 PM	1	83	2	0		0	58	0	0		0	0	0	0		0	0	0	0		144	442
5:30 PM	0	103	0	0		1	62	3	0		2	0	1	0		1	0	0	0		173	298
5:45 PM	0	73	0	0		0	51	0	0		1	0	0	0		0	0	0	0		125	125
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	4	412	8	0		4	296	12	0		8	0	4	0		4	0	0	0		**752**	
Heavy Trucks	4	12	4	0		0	12	4	0		8	0	0	0		0	0	0	0		**44**	
Pedestrians		0					0					4					0				**4**	
Bicycles	0	4	0	0		0	0	0	0		0	0	0	0		0	0	0	0		**4**	
Buses																						
Stopped Buses																						

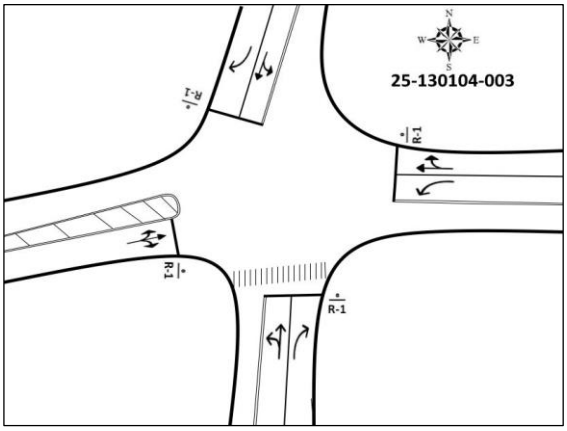
LOCATION: Lake View Dr/Pickford Cir & CR 437/W Orange Ave/N Binion Rd
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-003
DATE: Tue, Mar 25, 2025

Peak-Hour: 07:00 AM - 08:00 AM
Peak 15-Minute: 07:45 AM - 08:00 AM





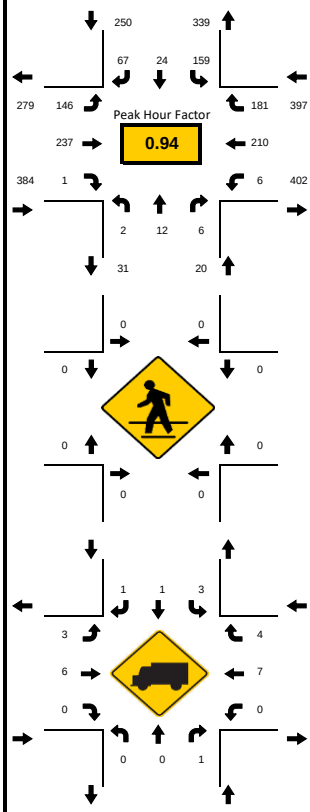


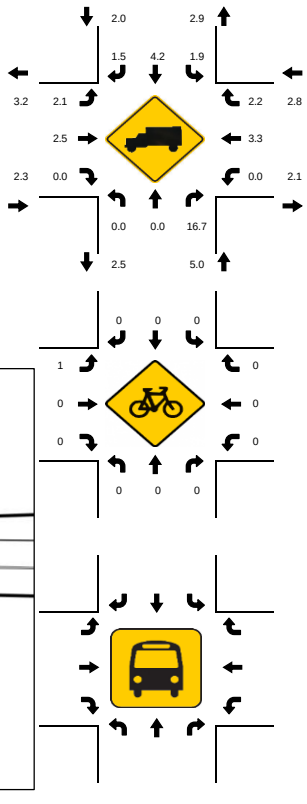
15-Min Count Period Beginning At	Lake View Dr/Pickford Cir Northbound					Lake View Dr/Pickford Cir Southbound					CR 437/W Orange Ave/N Binion R Eastbound					CR 437/W Orange Ave/N Binion R Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
7:00 AM	0	6	1	0		25	4	33	0		19	45	0	0		0	31	40	0		204	922
7:15 AM	0	10	0	0		27	2	35	0		18	42	0	0		0	63	33	0		230	915
7:30 AM	3	8	0	0		38	1	18	0		14	58	0	0		0	51	44	0		235	884
7:45 AM	0	4	4	0		37	3	42	0		18	48	1	0		4	53	39	0		253	872
8:00 AM	3	4	2	0		28	1	26	0		14	39	1	0		1	42	36	0		197	800
8:15 AM	1	2	1	0		31	2	22	0		17	37	0	0		2	45	39	0		199	603
8:30 AM	0	4	0	0		36	2	16	0		22	54	4	0		0	36	49	0		223	404
8:45 AM	0	2	0	0		30	1	21	0		18	43	0	0		0	38	28	0		181	181
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	12	40	16	0		152	16	168	0		76	232	4	0		16	252	176	0		**1160**	
Heavy Trucks	0	0	4	0		12	4	4	0		12	16	0	0		0	12	8	0		**72**	
Pedestrians		0					0					0					0				**0**	
Bicycles	0	0	0	0		0	0	4	0		0	0	0	0		0	0	0	0		**4**	
Buses																						
Stopped Buses																						

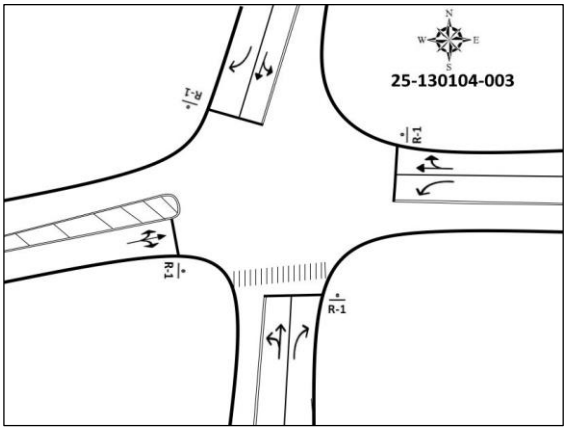
LOCATION: Lake View Dr/Pickford Cir & CR 437/W Orange Ave/N Binion Rd
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-003
DATE: Tue, Mar 25, 2025

Peak-Hour: 04:45 PM - 05:45 PM
Peak 15-Minute: 05:30 PM - 05:45 PM







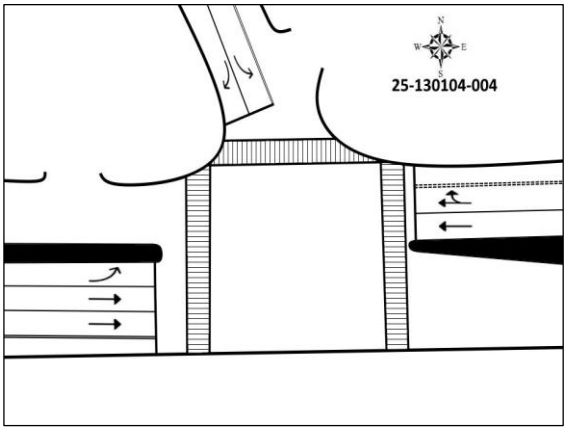
15-Min Count Period Beginning At	Lake View Dr/Pickford Cir Northbound					Lake View Dr/Pickford Cir Southbound					CR 437/W Orange Ave/N Binion R Eastbound					CR 437/W Orange Ave/N Binion R Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
4:00 PM	0	3	0	0		36	5	17	0		30	48	2	0		1	50	39	0		231	952
4:15 PM	0	5	0	0		24	5	18	0		26	33	0	0		2	53	45	0		211	986
4:30 PM	2	5	0	0		34	5	16	0		50	58	1	0		0	46	51	0		268	1038
4:45 PM	2	2	2	0		36	7	15	0		25	56	0	0		1	53	43	0		242	1051
5:00 PM	0	2	0	0		45	8	17	0		44	61	1	0		3	52	32	0		265	1017
5:15 PM	0	2	4	0		41	6	12	0		30	50	0	0		2	59	57	0		263	752
5:30 PM	0	6	0	0		37	3	23	0		47	70	0	0		0	46	49	0		281	489
5:45 PM	0	3	1	0		35	3	14	0		16	47	1	0		0	32	56	0		208	208
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
All Vehicles	8	24	16	0		180	32	92	0		188	280	4	0		12	236	228	0		**1300**	
Heavy Trucks	0	0	4	0		8	4	4	0		4	12	0	0		0	16	8	0		**60**	
Pedestrians		0					0					0					0				**0**	
Bicycles	0	0	0	0		0	0	0	0		4	0	0	0		0	0	0	0		**4**	
Buses																						
Stopped Buses																						

LOCATION: CR 437/Plymouth Sorrento Rd & US 441/SR 500/W Orange Blossom Trail
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-004
DATE: Tue, Mar 25, 2025

Peak-Hour: 07:00 AM - 08:00 AM
Peak 15-Minute: 07:30 AM - 07:45 AM

National Data & Surveying Services

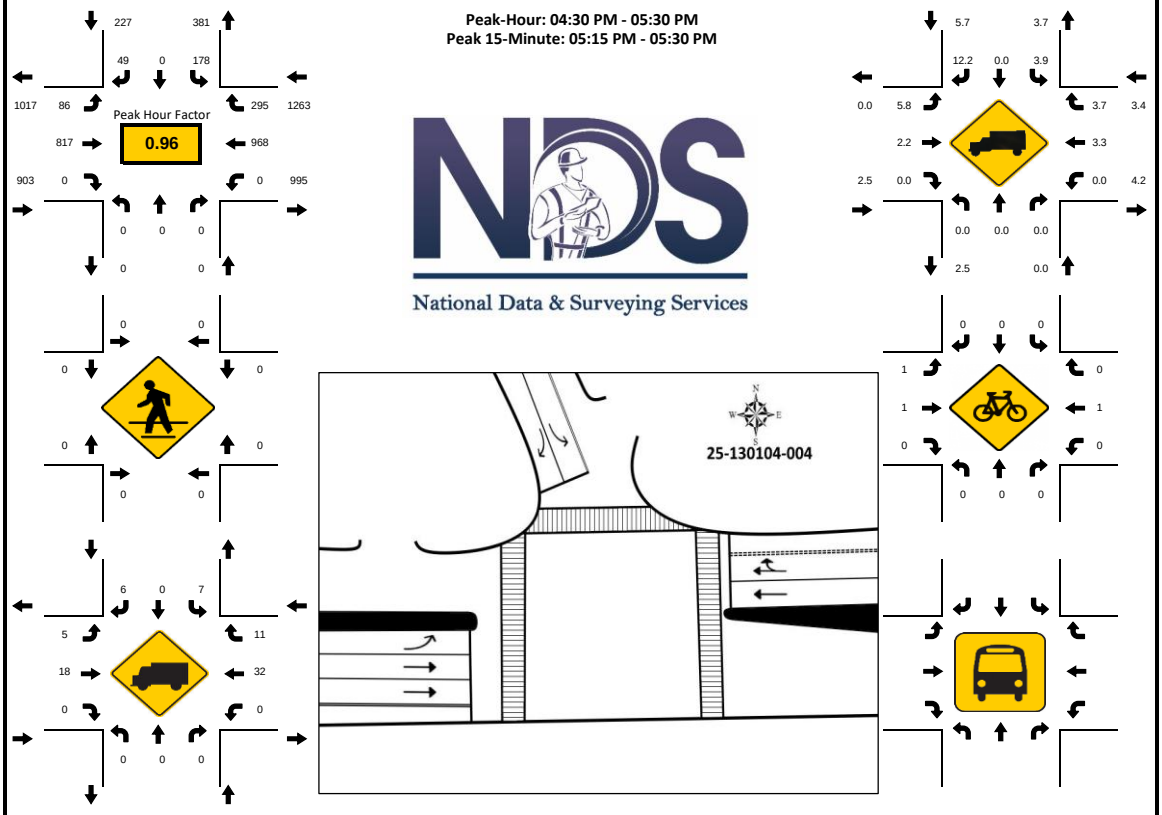


15-Min Count Period Beginning At	CR 437/Plymouth Sorrento Rd Northbound					CR 437/Plymouth Sorrento Rd Southbound					441/SR 500/W Orange Blossom T Eastbound					441/SR 500/W Orange Blossom T Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
7:00 AM	0	0	0	0		48	0	8	0		7	243	0	0		0	140	48	0		494	2127
7:15 AM	0	0	0	0		55	0	10	0		8	247	0	2		0	207	43	0		572	2093
7:30 AM	0	0	0	0		65	0	13	0		13	245	0	5		0	181	51	0		573	1950
7:45 AM	0	0	0	0		47	0	19	0		8	231	0	2		0	147	34	0		488	1871
8:00 AM	0	0	0	0		49	0	11	0		10	232	0	0		0	124	34	0		460	1809
8:15 AM	0	0	0	0		51	0	8	0		10	186	0	1		0	139	34	0		429	1349
8:30 AM	0	0	0	0		53	0	15	0		19	200	0	2		0	162	43	0		494	920
8:45 AM	0	0	0	0		50	0	7	0		8	185	0	1		0	129	46	0		426	426
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***		
All Vehicles	0	0	0	0		260	0	76	0		52	988	0	20		0	828	204	0		**2428**	
Heavy Trucks	0	0	0	0		16	0	4	0		8	64	0	4		0	40	32	0		**164**	
Pedestrians		0					0					0					4				**4**	
Bicycles	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		**0**	
Buses																						
Stopped Buses																						

LOCATION: CR 437/Plymouth Sorrento Rd & US 441/SR 500/W Orange Blossom Trail
CITY/STATE: Apopka, FL

PROJECT ID: 25-130104-004
DATE: Tue, Mar 25, 2025

Peak-Hour: 04:30 PM - 05:30 PM
Peak 15-Minute: 05:15 PM - 05:30 PM



15-Min Count Period Beginning At	CR 437/Plymouth Sorrento Rd Northbound					CR 437/Plymouth Sorrento Rd Southbound					441/SR 500/W Orange Blossom T Eastbound					441/SR 500/W Orange Blossom T Westbound					Total	Hourly Total
	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*	Left	Thru	Rgt	U	R*		
4:00 PM	0	0	0	0		42	0	6	0		17	213	0	2		0	220	76	0		576	2267
4:15 PM	0	0	0	0		47	0	8	0		16	193	0	0		0	201	67	0		532	2305
4:30 PM	0	0	0	0		42	0	9	0		15	188	0	1		0	248	70	0		573	2393
4:45 PM	0	0	0	0		47	0	13	0		18	210	0	0		0	227	71	0		586	2332
5:00 PM	0	0	0	0		38	0	15	0		23	213	0	1		0	247	77	0		614	2324
5:15 PM	0	0	0	0		51	0	12	0		26	206	0	2		0	246	77	0		620	1710
5:30 PM	0	0	0	0		40	0	4	0		30	218	0	2		0	165	53	0		512	1090
5:45 PM	0	0	0	0		53	0	2	0		14	204	0	2		0	223	80	0		578	578
Peak 15-Min Flowrates	**Northbound**					**Southbound**					**Eastbound**					**Westbound**					**Total**	
	Left	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***	**Left**	**Thru**	**Rgt**	**U**	**R***		
All Vehicles	0	0	0	0		204	0	60	0		104	852	0	8		0	992	308	0		**2528**	
Heavy Trucks	0	0	0	0		12	0	16	0		8	32	0	0		0	48	20	0		**136**	
Pedestrians		0					0					0					0				**0**	
Bicycles	0	0	0	0		0	0	0	0		4	4	0	0		0	4	0	0		**12**	
Buses																						
Stopped Buses																						

APPENDIX D
FDOT Florida Traffic Online (FTO) Data

2023 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
CATEGORY: 7500 ORANGE COUNTYWIDE

MOCF: 0.99

WEEK	DATES	SF	PSCF
1	01/01/2023 - 01/07/2023	1.02	1.03
2	01/08/2023 - 01/14/2023	1.03	1.04
3	01/15/2023 - 01/21/2023	1.03	1.04
4	01/22/2023 - 01/28/2023	1.02	1.03
5	01/29/2023 - 02/04/2023	1.01	1.02
6	02/05/2023 - 02/11/2023	1.00	1.01
7	02/12/2023 - 02/18/2023	0.99	1.00
8	02/19/2023 - 02/25/2023	0.99	1.00
9	02/26/2023 - 03/04/2023	0.99	1.00
*10	03/05/2023 - 03/11/2023	0.98	0.99
*11	03/12/2023 - 03/18/2023	0.98	0.99
*12	03/19/2023 - 03/25/2023	0.98	0.99
*13	03/26/2023 - 04/01/2023	0.99	1.00
*14	04/02/2023 - 04/08/2023	0.99	1.00
*15	04/09/2023 - 04/15/2023	0.99	1.00
*16	04/16/2023 - 04/22/2023	0.99	1.00
*17	04/23/2023 - 04/29/2023	0.99	1.00
*18	04/30/2023 - 05/06/2023	0.99	1.00
*19	05/07/2023 - 05/13/2023	0.99	1.00
*20	05/14/2023 - 05/20/2023	0.98	0.99
*21	05/21/2023 - 05/27/2023	0.99	1.00
*22	05/28/2023 - 06/03/2023	0.99	1.00
23	06/04/2023 - 06/10/2023	1.00	1.01
24	06/11/2023 - 06/17/2023	1.00	1.01
25	06/18/2023 - 06/24/2023	1.00	1.01
26	06/25/2023 - 07/01/2023	1.00	1.01
27	07/02/2023 - 07/08/2023	1.01	1.02
28	07/09/2023 - 07/15/2023	1.01	1.02
29	07/16/2023 - 07/22/2023	1.01	1.02
30	07/23/2023 - 07/29/2023	1.01	1.02
31	07/30/2023 - 08/05/2023	1.01	1.02
32	08/06/2023 - 08/12/2023	1.01	1.02
33	08/13/2023 - 08/19/2023	1.01	1.02
34	08/20/2023 - 08/26/2023	1.01	1.02
35	08/27/2023 - 09/02/2023	1.01	1.02
36	09/03/2023 - 09/09/2023	1.01	1.02
37	09/10/2023 - 09/16/2023	1.00	1.01
38	09/17/2023 - 09/23/2023	1.00	1.01
39	09/24/2023 - 09/30/2023	1.00	1.01
40	10/01/2023 - 10/07/2023	1.00	1.01
41	10/08/2023 - 10/14/2023	0.99	1.00
42	10/15/2023 - 10/21/2023	0.99	1.00
43	10/22/2023 - 10/28/2023	1.00	1.01
44	10/29/2023 - 11/04/2023	1.00	1.01
45	11/05/2023 - 11/11/2023	1.01	1.02
46	11/12/2023 - 11/18/2023	1.01	1.02
47	11/19/2023 - 11/25/2023	1.01	1.02
48	11/26/2023 - 12/02/2023	1.02	1.03
49	12/03/2023 - 12/09/2023	1.02	1.03
50	12/10/2023 - 12/16/2023	1.02	1.03
51	12/17/2023 - 12/23/2023	1.03	1.04
52	12/24/2023 - 12/30/2023	1.03	1.04
53	12/31/2023 - 12/31/2023	1.03	1.04

* PEAK SEASON

09-MAR-2024 18:41:41 830UPD 5_7500_PKSEASON.TXT

APPENDIX E
Intersection Movement Volume Worksheets

Intersection Development Worksheet

Kimley»Horn
Expect More. Experience Better.

Intersection #:	1		*Existing Year:*	2025	*TMC Year:* 2025
Major Street:	US 441	E/W	*Opening Year:*	2026	
Minor Street:	W Orange Ave/T.L	N/S	*Design Year:*		
			Seasonal Factor:	1.01	
			Buildout Year Growth Rate:	2.59%	*AM Peak Hour Trips:* IN = 10 OUT = 10
PHF:	0.98		*Design Year Growth Rate:*		*AM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday AM Peak Hour	W Orange Ave/T.L. Smith Rd								US 441							
	Northbound				Southbound				Eastbound				Westbound			
7:00 a.m. - 8:00 a.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	141	0	32	0	2	0	1	5	7	912	252	1	74	643	0
Seasonal Factor	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Heavy Vehicle (%)	0%	9%	0%	25%	0%	50%	0%	100%	0%	57%	4%	10%	0%	5%	8%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**142**	**0**	**32**	**0**	**2**	**0**	**1**	**5**	**7**	**921**	**255**	**1**	**75**	**649**	**0**
Growth Factor (Linear)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Vested Trips*											16				16	
Background (2026)	**0**	**146**	**0**	**33**	**0**	**2**	**0**	**1**	**5**	**7**	**937**	**262**	**1**	**77**	**665**	**0**
Project Assignment																
Ingress											17%					
Egress		17%														
Project Trips	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Buildout (2026)	**0**	**148**	**0**	**33**	**0**	**2**	**0**	**1**	**5**	**7**	**939**	**262**	**1**	**77**	**665**	**0**

					PM Peak Hour Trips: IN = 10 OUT = 10
PHF:	0.93				*PM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday PM Peak Hour	W Orange Ave/T.L. Smith Rd								US 441							
	Northbound				Southbound				Eastbound				Westbound			
4:45 p.m. - 5:45 p.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	209	1	77	0	8	0	4	2	1	854	196	2	50	845	2
Seasonal Factor	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
Heavy Vehicle (%)	0%	6%	100%	3%	0%	0%	0%	0%	0%	100%	3%	8%	0%	6%	2%	100%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**211**	**1**	**78**	**0**	**8**	**0**	**4**	**2**	**1**	**863**	**198**	**2**	**51**	**853**	**2**
Growth Factor (Linear)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Vested Trips*											16					16
Background (2026)	**0**	**216**	**1**	**80**	**0**	**8**	**0**	**4**	**2**	**1**	**879**	**203**	**2**	**52**	**875**	**18**
Project Assignment																
Ingress											17%					
Egress		17%														
Project Trips	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Buildout (2026)	**0**	**218**	**1**	**80**	**0**	**8**	**0**	**4**	**2**	**1**	**881**	**203**	**2**	**52**	**875**	**18**

Intersection Development Worksheet

Kimley»Horn
Expect More. Experience Better.

Intersection #:	2		*Existing Year:*	2025	*TMC Year:* 2025
Major Street:	US 441	E/W	*Opening Year:*	2026	
Minor Street:	Lake View Dr/Boy	N/S	*Design Year:*		
			Seasonal Factor:	0.98	
			Buildout Year Growth Rate:	2.42%	*AM Peak Hour Trips:* IN = 10 OUT = 10
PHF:	0.94		*Design Year Growth Rate:*		*AM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday AM Peak Hour	Lake View Dr/Boy Scout Blvd								US 441							
	Northbound				Southbound				Eastbound				Westbound			
7:00 a.m. - 8:00 a.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	69	52	135	0	66	75	3	0	4	1,094	49	1	151	708	17
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	1%	4%	2%	0%	0%	1%	33%	0%	0%	5%	14%	0%	3%	5%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**68**	**51**	**132**	**0**	**65**	**74**	**3**	**0**	**4**	**1,072**	**48**	**1**	**148**	**694**	**17**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**70**	**52**	**135**	**0**	**67**	**76**	**3**	**0**	**4**	**1,098**	**49**	**1**	**152**	**711**	**17**
Project Assignment																
Ingress														58%		
Egress				58%					13%							
Project Trips	0	0	0	6	0	0	0	0	1	0	0	0	0	6	0	0
Buildout (2026)	**0**	**70**	**52**	**141**	**0**	**67**	**76**	**3**	**1**	**4**	**1,098**	**49**	**1**	**158**	**711**	**17**

					PM Peak Hour Trips: IN = 10 OUT = 10
PHF:	0.98				*PM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday PM Peak Hour	Lake View Dr/Boy Scout Blvd								US 441							
	Northbound				Southbound				Eastbound				Westbound			
4:30 p.m. - 5:30 p.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	52	82	211	0	49	37	7	2	4	944	39	12	160	1,142	75
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	8%	1%	2%	0%	2%	3%	0%	0%	0%	0%	0%	0%	1%	3%	3%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**51**	**80**	**207**	**0**	**48**	**36**	**7**	**2**	**4**	**925**	**38**	**12**	**157**	**1,119**	**74**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**52**	**82**	**212**	**0**	**49**	**37**	**7**	**2**	**4**	**947**	**39**	**12**	**161**	**1,146**	**76**
Project Assignment																
Ingress														58%		
Egress				58%					13%							
Project Trips	0	0	0	6	0	0	0	0	1	0	0	0	0	6	0	0
Buildout (2026)	**0**	**52**	**82**	**218**	**0**	**49**	**37**	**7**	**3**	**4**	**947**	**39**	**12**	**167**	**1,146**	**76**

Intersection Development Worksheet

Kimley»Horn
Expect More. Experience Better.

Intersection #:	3		*Existing Year:*	2025	*TMC Year:* 2025
Major Street:	Lake View Dr	N/S	*Opening Year:*	2026	
Minor Street:	Mayflower Ave	E/W	*Design Year:*		
			Seasonal Factor:	0.98	
			Buildout Year Growth Rate:	2.42%	*AM Peak Hour Trips:* IN = 10 OUT = 10
PHF:	0.86		*Design Year Growth Rate:*		*AM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday AM Peak Hour	Lake View Dr								Mayflower Ave							
	Northbound				Southbound				Eastbound				Westbound			
7:00 a.m. - 8:00 a.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	5	241	1	0	1	269	5	0	3	0	3	0	0	0	5
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	100%	2%	100%	0%	0%	3%	60%	0%	0%	0%	100%	0%	0%	0%	20%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**5**	**236**	**1**	**0**	**1**	**264**	**5**	**0**	**3**	**0**	**3**	**0**	**0**	**0**	**5**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**5**	**242**	**1**	**0**	**1**	**270**	**5**	**0**	**3**	**0**	**3**	**0**	**0**	**0**	**5**
Project Assignment																
Ingress		12%						58%								
Egress										58%		29%				
Project Trips	0	1	0	0	0	0	0	6	0	6	0	3	0	0	0	0
Buildout (2026)	**0**	**6**	**242**	**1**	**0**	**1**	**270**	**11**	**0**	**9**	**0**	**6**	**0**	**0**	**0**	**5**

		PM Peak Hour Trips:	IN = 10	OUT = 10
PHF:	0.88	*PM Peak Hour Pass-by Trips:*	IN = 0	OUT = 0

Weekday PM Peak Hour	Lake View Dr								Mayflower Ave							
	Northbound				Southbound				Eastbound				Westbound			
4:45 p.m. - 5:45 p.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	2	341	4	0	2	247	4	0	4	0	1	0	1	0	0
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	100%	2%	25%	0%	0%	2%	25%	0%	75%	0%	0%	0%	0%	0%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**2**	**334**	**4**	**0**	**2**	**242**	**4**	**0**	**4**	**0**	**1**	**0**	**1**	**0**	**0**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**2**	**342**	**4**	**0**	**2**	**248**	**4**	**0**	**4**	**0**	**1**	**0**	**1**	**0**	**0**
Project Assignment																
Ingress		12%						58%								
Egress										58%		29%				
Project Trips	0	1	0	0	0	0	0	6	0	6	0	3	0	0	0	0
Buildout (2026)	**0**	**3**	**342**	**4**	**0**	**2**	**248**	**10**	**0**	**10**	**0**	**4**	**0**	**1**	**0**	**0**

Intersection Development Worksheet

Kimley»Horn
Expect More. Experience Better.

Existing Year:	2025	*TMC Year:*	2025		
Intersection #:	4	*Opening Year:*	2026		
Major Street:	Lake View Dr/Pick	N/S	*Design Year:*		
Minor Street:	Orange Ave/Binio	E/W	*Seasonal Factor:*	0.98	
			Buildout Year Growth Rate:	2.42%	
PHF:	0.91		*Design Year Growth Rate:*		

AM Peak Hour Trips:	IN = 10	OUT = 10
AM Peak Hour Pass-by Trips:	IN = 0	OUT = 0

Weekday AM Peak Hour	Lake View Dr/Pickford Cir								Orange Ave/Binion Rd							
	Northbound				Southbound				Eastbound				Westbound			
7:00 a.m. - 8:00 a.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	3	28	5	0	127	10	128	0	69	193	1	0	4	198	156
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	0%	0%	20%	0%	6%	10%	2%	0%	10%	4%	0%	0%	0%	4%	3%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**3**	**27**	**5**	**0**	**124**	**10**	**125**	**0**	**68**	**189**	**1**	**0**	**4**	**194**	**153**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**3**	**28**	**5**	**0**	**127**	**10**	**128**	**0**	**70**	**194**	**1**	**0**	**4**	**199**	**157**
Project Assignment																
Ingress																12%
Egress						12%		17%								
Project Trips	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1
Buildout (2026)	**0**	**3**	**28**	**5**	**0**	**128**	**10**	**130**	**0**	**70**	**194**	**1**	**0**	**4**	**199**	**158**

PM Peak Hour Trips:	IN = 10	OUT = 10
PM Peak Hour Pass-by Trips:	IN = 0	OUT = 0

PHF:	0.94

Weekday PM Peak Hour	Lake View Dr/Pickford Cir								Orange Ave/Binion Rd							
	Northbound				Southbound				Eastbound				Westbound			
4:45 p.m. - 5:45 p.m.	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	2	12	6	0	159	24	67	0	146	237	1	0	6	210	181
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	0%	0%	17%	0%	2%	4%	1%	0%	2%	3%	0%	0%	0%	3%	2%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**2**	**12**	**6**	**0**	**156**	**24**	**66**	**0**	**143**	**232**	**1**	**0**	**6**	**206**	**177**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**2**	**12**	**6**	**0**	**160**	**25**	**68**	**0**	**146**	**238**	**1**	**0**	**6**	**211**	**181**
Project Assignment																
Ingress																12%
Egress						12%		17%								
Project Trips	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1
Buildout (2026)	**0**	**2**	**12**	**6**	**0**	**161**	**25**	**70**	**0**	**146**	**238**	**1**	**0**	**6**	**211**	**182**

Intersection Development Worksheet

Kimley»Horn
Expect More. Experience Better.

Intersection #:	5		*Existing Year:*	2025	*TMC Year:* 2025
Major Street:	US 441	E/W	*Opening Year:*	2026	
Minor Street:	North Project Driv	N/S	*Design Year:*		
			Seasonal Factor:	0.98	
			Buildout Year Growth Rate:	2.42%	*AM Peak Hour Trips:* IN = 10 OUT = 10
PHF:	0.92		*Design Year Growth Rate:*		*AM Peak Hour Pass-by Trips:* IN = 0 OUT = 0

Weekday AM Peak Hour	North Project Driveway								US 441							
	Northbound				Southbound				Eastbound				Westbound			
#N/A	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	0	0	0	0	0	0	0	0	0	1,147	0	0	0	780	0
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,124**	**0**	**0**	**0**	**764**	**0**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,151**	**0**	**0**	**0**	**782**	**0**
Project Assignment																
Ingress												30%				
Egress				13%											13%	
Project Trips	0	0	0	1	0	0	0	0	0	0	0	3	0	0	1	0
Buildout (2026)	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1,151**	**3**	**0**	**0**	**783**	**0**

		PM Peak Hour Trips:	IN = 10	OUT = 10
PHF:	0.92	*PM Peak Hour Pass-by Trips:*	IN = 0	OUT = 0

Weekday PM Peak Hour	North Project Driveway								US 441							
	Northbound				Southbound				Eastbound				Westbound			
#N/A	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2025)	0	0	0	0	0	0	0	0	0	0	989	0	0	0	1,201	0
Seasonal Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	3%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Year (2025)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**969**	**0**	**0**	**0**	**1,177**	**0**
Growth Factor (Linear)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Vested Trips*																
Background (2026)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**992**	**0**	**0**	**0**	**1,205**	**0**
Project Assignment																
Ingress												30%				
Egress				13%											13%	
Project Trips	0	0	0	1	0	0	0	0	0	0	0	3	0	0	1	0
Buildout (2026)	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**992**	**3**	**0**	**0**	**1,206**	**0**

APPENDIX F
Signal Timings

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET

Intersection: US 441 at Boy Scout Blvd/Lake View Dr **Node** 37
Equipment: Intelight **CDI** **CDO** **Date:** 3/15/2024

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction	WBL	EB		SB		WB		NB
Min Green (sec)	5	15		5		15		5
Vehicle Gap (sec)	2.0	0.5		3.0		0.5		3.0
Max Green 1 (sec)	15	50		25		50		15
Max Green 2 (sec)	15	50		25		50		25
Yellow (sec)	5.4	4.8		4.1		5.4		3.7
All-Red (sec)	2.4	2.3		2.5		2.0		2.9
Walk (sec)		*7*		*7*		*7*		*7*
Flash Don't Walk (sec)		*15*		*29*		*17*		*28*
Min Split (sec)	13	30		43		32		42
Recall/Memory	NL	SF/LK		NL		SF/LK		NL
Delay (sec)	CD 5			CD 5				CD 5
Detector Switching								
Dual Entry		Y		Y		Y		Y
Overlap								
Flash		Y		R		Y		R
Speed (mph)	45	45		30		45		30
Approach Grades (%)	-5.2%	4.4%		-4.9%		-5.2%		2.0%
Veh Distance (ft)	102	101		107		101		123
Ped Distance (ft)		50		99		57		95
Ped Clearance (sec)		15		29		17		28

COORDINATION PLANS

Coordination Pattern	11	21	31	51	
Cycle	170	180	190	180	
Split 1	24	40	35	40	
Split 2	100	85	100	85	
Split 3					
Split 4	46	55	55	55	
Split 5					
Split 6	124	125	135	125	
Split 7					
Split 8	46	55	55	55	
Offset	167	16	121	16	
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0	
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:00	FREE
1	10:30	51
1	18:00	FREE
2	0:00	FREE
2	6:00	11
2	9:30	21
2	14:00	31
2	20:00	FREE
7	0:00	FREE
7	9:30	51
7	19:00	FREE

Notes:
1. Referenced: Begin of Green
2. Max Mode: Max Inhibit
3. Force Mode: Floating
4. Coordination Mode: Auto Permissive
5. Correction Mode: Shortway (Auto)
6. Coord Phases: Ø2 & Ø6 (All Patterns)

All Plans

1	2	4
	6	8

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET

Intersection: US 441 at Plymouth Sorrento Rd | **Node** 202
Equipment: Intelight | **CDI** | **CDO** | **Date:** 3/15/2024

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction	EBL	WB				EB		SB
Min Green (sec)	5	15				15		5
Vehicle Gap (sec)	1.8	0.5				0.5		4.0
Max Green 1 (sec)	25	50				50		30
Max Green 2 (sec)	25	50				50		30
Yellow (sec)	4.8	4.8				4.8		4.8
All-Red (sec)	2.4	2.0				2.0		3.1
Walk (sec)		7						7
Flash Don't Walk (sec)		22						26
Min Split (sec)	12	36				22		41
Recall/Memory	NL	SF/LK				SF/LK		NL
Delay (sec)								
Detector Switching	1>6							
Dual Entry		Y				Y		
Overlap								
Flash		Y				Y		R
Speed (mph)	45	45				45		45
Approach Grades (%)	0.0%	0.1%				0.0%		1.2%
Veh Distance (ft)	104	90				130		129
Ped Distance (ft)		74						90
Ped Clearance (sec)		22						26

COORDINATION PLANS

Coordination Pattern	11	21	31	51	
Cycle	170	180	190	180	
Split 1	20	30	30	30	
Split 2	102	90	110	90	
Split 3					
Split 4					
Split 5					
Split 6	122	120	140	120	
Split 7					
Split 8	48	60	50	60	
Offset	20	102	43	102	
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0	
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:00	FREE
1	10:30	51
1	18:00	FREE
2	0:00	FREE
2	6:00	11
2	9:30	21
2	14:00	31
2	20:00	FREE
7	0:00	FREE
7	9:30	51
7	19:00	FREE

Notes:
1. Referenced: Begin of Green
2. Max Mode: Max Inhibit
3. Force Mode: Floating
4. Coordination Mode: Auto Permissive
5. Correction Mode: Shortway (Auto)
6. Coord Phases: Ø2 & Ø6 (All Patterns)

All Plans

1	2	
	6	8

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET

Intersection: US 441 at Orange Ave/T. L. Smith Rd **Node** 247
Equipment: Intelight **CDI** **CDO** **Date:** 3/15/2024

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction		WB		NB	WBL	EB		SB
Min Green (sec)		20		5	5	15		5
Vehicle Gap (sec)		0.5		3.0	3.0	0.5		3.0
Max Green 1 (sec)		67		18	14	45		18
Max Green 2 (sec)		67		18	14	45		18
Yellow (sec)		4.8		4.4	4.8	4.8		3.4
All-Red (sec)		2.0		4.0	2.5	2.0		3.4
Walk (sec)		*7*		*7*		*7*		
Flash Don't Walk (sec)		*14*		*31*		*18*		
Min Split (sec)		28		47	12	32		12
Recall/Memory		SF/LK		NL	NL	SF/LK		NL
Delay (sec)								
Detector Switching								
Dual Entry		Y		Y		Y		Y
Overlap								
Flash		Y		R		Y		R
Speed (mph)		45		40	45	45		25
Approach Grades (%)		-0.7%		1.8%	-0.7%	0.9%		0.0%
Veh Distance (ft)		125		162	105	120		141
Ped Distance (ft)		48		108		62		
Ped Clearance (sec)		14		31		18		

COORDINATION PLANS

Coordination Pattern	11	21	31	51	
Cycle	170	180	190	180	
Split 1					
Split 2	122	125	130	125	
Split 3					
Split 4	48	55	60	55	
Split 5	22	35	30	35	
Split 6	100	90	100	90	
Split 7					
Split 8	48	55	60	55	
Offset	3	104	51	104	
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0	
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:00	FREE
1	10:30	51
1	18:00	FREE
2	0:00	FREE
2	6:00	11
2	9:30	21
2	14:00	31
2	20:00	FREE
7	0:00	FREE
7	9:30	51
7	19:00	FREE

Notes:
1. Referenced: Begin of Green
2. Max Mode: Max Inhibit
3. Force Mode: Floating
4. Coordination Mode: Auto Permissive
5. Correction Mode: Shortway (Auto)
6. Coord Phases: Ø2 & Ø6 (All Patterns)

All Plans

	2	4
5	6	8

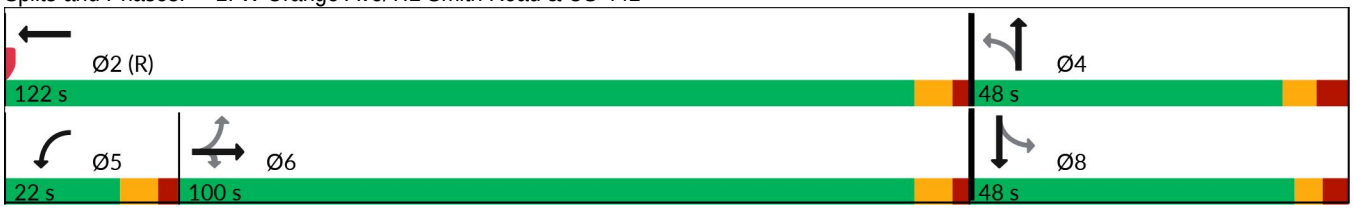
APPENDIX G
Synchro Outputs

Existing

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	12	921	255	76	649	142	0	2	0
Future Volume (vph)	12	921	255	76	649	142	0	2	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	22.0	122.0	48.0	48.0	48.0	48.0
Total Split (%)	58.8%	58.8%	58.8%	12.9%	71.8%	28.2%	28.2%	28.2%	28.2%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max

Intersection Summary
Cycle Length: 170
Actuated Cycle Length: 170
Offset: 3 (2%), Referenced to phase 2:WBT, Start of Green
Natural Cycle: 95
Control Type: Actuated-Coordinated

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	921	255	76	649	0	142	0	32	2	0	1
Future Volume (veh/h)	12	921	255	76	649	0	142	0	32	2	0	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1055	1841	1752	1826	1781	1900	1767	1900	1530	1159	1900	418
Adj Flow Rate, veh/h	12	940	260	78	662	0	145	0	33	2	0	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	57	4	10	5	8	0	9	0	25	50	0	100
Cap, veh/h	426	3113	1322	96	3345	0	326	3	66	278	7	125
Arrive On Green	0.89	0.89	0.89	0.06	0.99	0.00	0.24	0.00	0.24	0.24	0.00	0.24
Sat Flow, veh/h	436	3497	1485	1739	3474	0	1187	11	273	1002	29	515
Grp Volume(v), veh/h	12	940	260	78	662	0	178	0	0	3	0	0
Grp Sat Flow(s),veh/h/ln	436	1749	1485	1739	1692	0	1470	0	0	1546	0	0
Q Serve(g_s), s	0.6	6.9	4.0	7.5	0.5	0.0	17.4	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.2	6.9	4.0	7.5	0.5	0.0	17.7	0.0	0.0	0.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.81		0.19	0.67		0.33
Lane Grp Cap(c), veh/h	426	3113	1322	96	3345	0	395	0	0	410	0	0
V/C Ratio(X)	0.03	0.30	0.20	0.81	0.20	0.00	0.45	0.00	0.00	0.01	0.00	0.00
Avail Cap(c_a), veh/h	426	3113	1322	150	3345	0	395	0	0	410	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	1.2	1.4	1.2	79.5	0.0	0.0	55.5	0.0	0.0	48.9	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.2	0.3	16.9	0.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	2.8	1.5	6.9	0.1	0.0	11.0	0.0	0.0	0.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	1.4	1.7	1.6	96.3	0.1	0.0	56.3	0.0	0.0	48.9	0.0	0.0
LnGrp LOS	A	A	A	F	A		E			D		
Approach Vol, veh/h		1212			740			178			3	
Approach Delay, s/veh		1.6			10.3			56.3			48.9	
Approach LOS		A			B			E			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		176.4		49.6	16.7	159.7		49.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		115.2		39.6	14.7	93.2		* 41				
Max Q Clear Time (g_c+I1), s		2.5		19.7	9.5	8.9		2.2				
Green Ext Time (p_c), s		5.5		0.9	0.1	10.7		0.0				

Intersection Summary	
HCM 7th Control Delay, s/veh	9.3
HCM 7th LOS	A

Notes

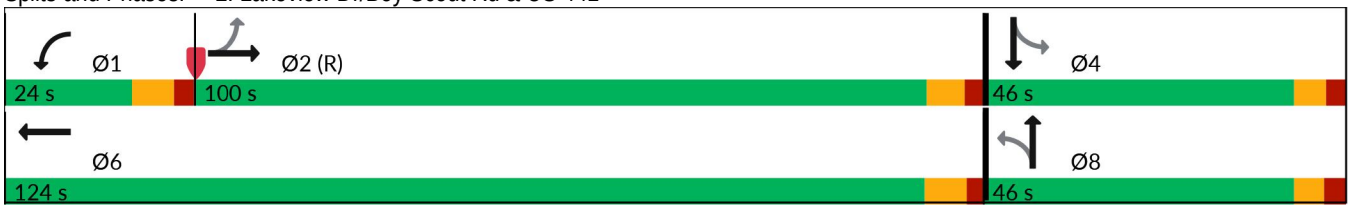
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

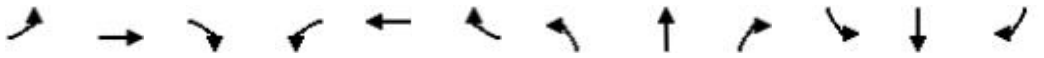
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	4	1072	149	694	68	51	65	74
Future Volume (vph)	4	1072	149	694	68	51	65	74
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	24.0	124.0	46.0	46.0	46.0	46.0
Total Split (%)	58.8%	58.8%	14.1%	72.9%	27.1%	27.1%	27.1%	27.1%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None

Intersection Summary

Cycle Length: 170
Actuated Cycle Length: 170
Offset: 167 (98%), Referenced to phase 2:EBTL, Start of Green
Natural Cycle: 80
Control Type: Actuated-Coordinated

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	1072	48	149	694	17	68	51	132	65	74	3
Future Volume (veh/h)	4	1072	48	149	694	17	68	51	132	65	74	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1826	1693	1856	1826	1900	1870	1841	1870	1870	1870	1411
Adj Flow Rate, veh/h	4	1140	51	159	738	18	72	54	140	69	79	3
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	5	14	3	5	0	2	4	2	2	2	33
Cap, veh/h	453	1963	88	168	2498	61	96	67	151	110	116	4
Arrive On Green	0.58	0.58	0.58	0.10	0.72	0.72	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	708	3382	151	1767	3461	84	353	341	771	403	592	20
Grp Volume(v), veh/h	4	584	607	159	370	386	266	0	0	151	0	0
Grp Sat Flow(s),veh/h/ln	708	1735	1799	1767	1735	1811	1465	0	0	1015	0	0
Q Serve(g_s), s	0.4	36.2	36.3	15.2	12.8	12.8	5.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.4	36.2	36.3	15.2	12.8	12.8	30.5	0.0	0.0	24.6	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.05	0.27		0.53	0.46		0.02
Lane Grp Cap(c), veh/h	453	1007	1044	168	1252	1307	314	0	0	230	0	0
V/C Ratio(X)	0.01	0.58	0.58	0.94	0.30	0.30	0.85	0.00	0.00	0.66	0.00	0.00
Avail Cap(c_a), veh/h	453	1007	1044	168	1252	1307	369	0	0	283	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	15.0	22.6	22.6	76.5	8.4	8.4	67.1	0.0	0.0	63.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.4	2.4	53.0	0.6	0.6	14.7	0.0	0.0	3.9	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	21.4	22.0	14.3	8.3	8.6	18.5	0.0	0.0	10.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	15.1	25.0	24.9	129.5	9.0	8.9	81.8	0.0	0.0	67.8	0.0	0.0
LnGrp LOS	B	C	C	F	A	A	F			E		
Approach Vol, veh/h		1195			915			266			151	
Approach Delay, s/veh		24.9			29.9			81.8			67.8	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	24.0	106.1		39.9		130.1		39.9				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	16.2	* 93		39.4		116.6		39.4				
Max Q Clear Time (g_c+I1), s	17.2	38.3		26.6		14.8		32.5				
Green Ext Time (p_c), s	0.0	9.4		0.6		4.8		0.9				

Intersection Summary												
HCM 7th Control Delay, s/veh			35.3									
HCM 7th LOS			D									

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	0	3	0	0	5	5	236	1	1	264	5
Future Vol, veh/h	3	0	3	0	0	5	5	236	1	1	264	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	2	0	100	0	0	20	100	2	100	2	3	60
Mvmt Flow	3	0	3	0	0	6	6	274	1	1	307	6

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	598	599	310	596	602	275	313	0	0	276	0	0
Stage 1	312	312	-	287	287	-	-	-	-	-	-	-
Stage 2	286	287	-	309	315	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.5	7.2	7.1	6.5	6.4	5.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4	4.2	3.5	4	3.48	3.1	-	-	2.218	-	-
Pot Cap-1 Maneuver	414	418	550	418	416	723	850	-	-	1287	-	-
Stage 1	698	661	-	725	678	-	-	-	-	-	-	-
Stage 2	721	678	-	705	659	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	407	414	550	412	413	723	850	-	-	1287	-	-
Mov Cap-2 Maneuver	407	414	-	412	413	-	-	-	-	-	-	-
Stage 1	698	660	-	719	673	-	-	-	-	-	-	-
Stage 2	710	672	-	700	658	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	12.82	10.02	0.19	0.03
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	37	-	-	468	723	7	-	-
HCM Lane V/C Ratio	0.007	-	-	0.015	0.008	0.001	-	-
HCM Ctrl Dly (s/v)	9.3	0	-	12.8	10	7.8	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0	0	-	-

Intersection	
Intersection Delay, s/veh	14.7
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	68	189	1	4	194	153	3	27	5	124	10	125
Future Vol, veh/h	68	189	1	4	194	153	3	27	5	124	10	125
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles, %	10	4	2	2	4	3	2	2	20	6	10	2
Mvmt Flow	75	208	1	4	213	168	3	30	5	136	11	137
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay, s/veh	15.6	16.7	10.2	11.6
HCM LOS	C	C	B	B

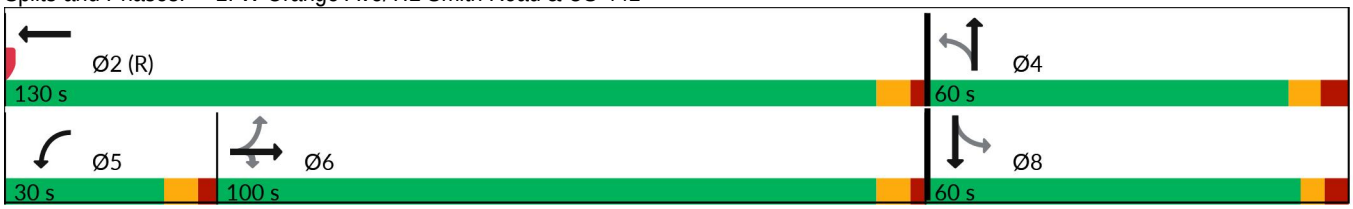
Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	10%	0%	26%	100%	0%	93%	0%
Vol Thru, %	90%	0%	73%	0%	56%	7%	0%
Vol Right, %	0%	100%	0%	0%	44%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	30	5	258	4	347	134	125
LT Vol	3	0	68	4	0	124	0
Through Vol	27	0	189	0	194	10	0
RT Vol	0	5	1	0	153	0	125
Lane Flow Rate	33	5	284	4	381	147	137
Geometry Grp	5	5	4b	5	5	5	5
Degree of Util (X)	0.065	0.01	0.499	0.008	0.604	0.29	0.228
Departure Headway (Hd)	7.14	6.371	6.337	6.487	5.703	7.093	5.977
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	499	558	567	551	633	507	599
Service Time	4.917	4.147	4.387	4.233	3.449	4.848	3.732
HCM Lane V/C Ratio	0.066	0.009	0.501	0.007	0.602	0.29	0.229
HCM Control Delay, s/veh	10.4	9.2	15.6	9.3	16.8	12.7	10.5
HCM Lane LOS	B	A	C	A	C	B	B
HCM 95th-tile Q	0.2	0	2.8	0	4	1.2	0.9

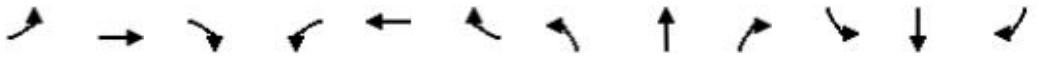
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	3	863	198	53	853	211	1	8	0
Future Volume (vph)	3	863	198	53	853	211	1	8	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	30.0	130.0	60.0	60.0	60.0	60.0
Total Split (%)	52.6%	52.6%	52.6%	15.8%	68.4%	31.6%	31.6%	31.6%	31.6%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max

Intersection Summary

Cycle Length: 190
Actuated Cycle Length: 190
Offset: 51 (27%), Referenced to phase 2:WBT, Start of Green
Natural Cycle: 95
Control Type: Actuated-Coordinated

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	863	198	53	853	2	211	1	78	8	0	4
Future Volume (veh/h)	3	863	198	53	853	2	211	1	78	8	0	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	418	1856	1781	1811	1870	418	1811	1870	1856	1870	1870	1870
Adj Flow Rate, veh/h	3	928	213	57	917	2	227	1	84	9	0	4
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	100	3	8	6	2	100	6	2	3	2	2	2
Cap, veh/h	152	2984	1278	72	3370	7	331	1	110	309	6	126
Arrive On Green	0.85	0.85	0.85	0.04	0.93	0.93	0.28	0.28	0.28	0.28	0.00	0.28
Sat Flow, veh/h	136	3526	1510	1725	3638	8	1064	5	394	990	21	449
Grp Volume(v), veh/h	3	928	213	57	448	471	312	0	0	13	0	0
Grp Sat Flow(s),veh/h/ln	136	1763	1510	1725	1777	1869	1463	0	0	1460	0	0
Q Serve(g_s), s	0.7	10.4	4.8	6.2	4.7	4.7	36.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.3	10.4	4.8	6.2	4.7	4.7	37.0	0.0	0.0	1.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.73		0.27	0.69		0.31
Lane Grp Cap(c), veh/h	152	2984	1278	72	1646	1731	442	0	0	441	0	0
V/C Ratio(X)	0.02	0.31	0.17	0.80	0.27	0.27	0.71	0.00	0.00	0.03	0.00	0.00
Avail Cap(c_a), veh/h	152	2984	1278	206	1646	1731	442	0	0	441	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	2.6	3.0	2.6	90.3	0.7	0.7	62.5	0.0	0.0	49.6	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.3	0.3	17.7	0.4	0.4	5.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	6.1	2.5	5.7	1.4	1.5	20.8	0.0	0.0	0.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	2.8	3.3	2.9	107.9	1.1	1.1	67.5	0.0	0.0	49.7	0.0	0.0
LnGrp LOS	A	A	A	F	A	A	E			D		
Approach Vol, veh/h		1144			976			312			13	
Approach Delay, s/veh		3.2			7.3			67.5			49.7	
Approach LOS		A			A			E			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		184.4		61.6	15.2	169.2		61.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		123.2		51.6	22.7	93.2		* 53				
Max Q Clear Time (g_c+I1), s		6.7		39.0	8.2	12.4		3.0				
Green Ext Time (p_c), s		7.4		1.5	0.1	10.1		0.0				

Intersection Summary	
HCM 7th Control Delay, s/veh	13.3
HCM 7th LOS	B

Notes

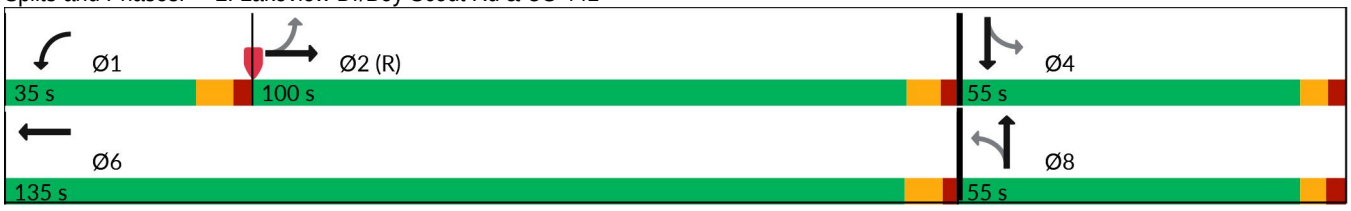
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

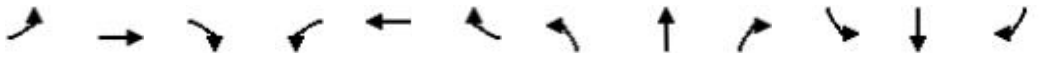
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	6	925	169	1119	51	80	48	36
Future Volume (vph)	6	925	169	1119	51	80	48	36
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	35.0	135.0	55.0	55.0	55.0	55.0
Total Split (%)	52.6%	52.6%	18.4%	71.1%	28.9%	28.9%	28.9%	28.9%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None

Intersection Summary

Cycle Length: 190
Actuated Cycle Length: 190
Offset: 121 (64%), Referenced to phase 2:EBTL, Start of Green
Natural Cycle: 70
Control Type: Actuated-Coordinated

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	925	38	169	1119	74	51	80	207	48	36	7
Future Volume (veh/h)	6	925	38	169	1119	74	51	80	207	48	36	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1856	1856	1781	1870	1870	1870	1856	1870
Adj Flow Rate, veh/h	6	944	39	172	1142	76	52	82	211	49	37	7
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	3	3	8	2	2	2	3	2
Cap, veh/h	290	1928	80	191	2358	157	68	96	224	99	69	11
Arrive On Green	0.55	0.55	0.55	0.11	0.70	0.70	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	458	3478	144	1781	3355	223	209	428	1002	312	307	50
Grp Volume(v), veh/h	6	482	501	172	600	618	345	0	0	93	0	0
Grp Sat Flow(s),veh/h/ln	458	1777	1844	1781	1763	1815	1639	0	0	670	0	0
Q Serve(g_s), s	1.1	31.5	31.5	18.1	29.1	29.2	14.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.2	31.5	31.5	18.1	29.1	29.2	39.3	0.0	0.0	24.6	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.12	0.15		0.61	0.53		0.08
Lane Grp Cap(c), veh/h	290	985	1023	191	1239	1276	388	0	0	179	0	0
V/C Ratio(X)	0.02	0.49	0.49	0.90	0.48	0.48	0.89	0.00	0.00	0.52	0.00	0.00
Avail Cap(c_a), veh/h	290	985	1023	255	1239	1276	438	0	0	220	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	19.6	25.9	25.9	83.8	12.7	12.7	72.3	0.0	0.0	65.3	0.0	0.0
Incr Delay (d2), s/veh	0.1	1.7	1.7	26.4	1.4	1.3	18.1	0.0	0.0	2.3	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.2	19.7	20.4	14.8	17.1	17.5	25.7	0.0	0.0	7.6	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	19.7	27.6	27.6	110.2	14.1	14.1	90.4	0.0	0.0	67.7	0.0	0.0
LnGrp LOS	B	C	C	F	B	B	F			E		
Approach Vol, veh/h		989			1390			345			93	
Approach Delay, s/veh		27.5			26.0			90.4			67.7	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	28.2	112.8		49.1		140.9		49.1				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	27.2	* 93		48.4		127.6		48.4				
Max Q Clear Time (g_c+I1), s	20.1	33.5		26.6		31.2		41.3				
Green Ext Time (p_c), s	0.2	7.0		0.5		9.9		1.2				

Intersection Summary	
HCM 7th Control Delay, s/veh	35.8
HCM 7th LOS	D

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	0	1	1	0	0	2	334	4	2	242	4
Future Vol, veh/h	4	0	1	1	0	0	2	334	4	2	242	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	75	0	2	2	0	0	100	2	25	2	2	25
Mvmt Flow	5	0	1	1	0	0	2	380	5	2	275	5

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	666	670	277	666	670	382	280	0	0	384	0	0
Stage 1	282	282	-	386	386	-	-	-	-	-	-	-
Stage 2	384	389	-	280	284	-	-	-	-	-	-	-
Critical Hdwy	7.85	6.5	6.22	7.12	6.5	6.2	5.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.85	5.5	-	6.12	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.85	5.5	-	6.12	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	4.175	4	3.318	3.518	4	3.3	3.1	-	-	2.218	-	-
Pot Cap-1 Maneuver	290	380	762	373	380	670	879	-	-	1174	-	-
Stage 1	591	682	-	637	613	-	-	-	-	-	-	-
Stage 2	515	612	-	727	680	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	288	378	762	370	378	670	879	-	-	1174	-	-
Mov Cap-2 Maneuver	288	378	-	370	378	-	-	-	-	-	-	-
Stage 1	590	680	-	635	611	-	-	-	-	-	-	-
Stage 2	513	610	-	724	678	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	16.13	14.75	0.05	0.07
HCM LOS	C	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	11	-	-	329	370	14	-	-
HCM Lane V/C Ratio	0.003	-	-	0.017	0.003	0.002	-	-
HCM Ctrl Dly (s/v)	9.1	0	-	16.1	14.8	8.1	0	-
HCM Lane LOS	A	A	-	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-	-

Intersection	
Intersection Delay, s/veh	18.6
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	143	232	1	6	206	177	2	12	6	156	24	66
Future Vol, veh/h	143	232	1	6	206	177	2	12	6	156	24	66
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	2	3	2	2	3	2	2	2	17	2	4	2
Mvmt Flow	152	247	1	6	219	188	2	13	6	166	26	70
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay, s/veh	22.2	18.9	10.4	13.4
HCM LOS	C	C	B	B

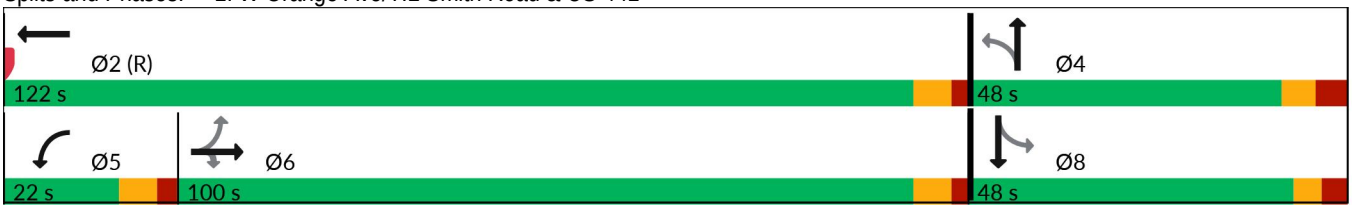
Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	14%	0%	38%	100%	0%	87%	0%
Vol Thru, %	86%	0%	62%	0%	54%	13%	0%
Vol Right, %	0%	100%	0%	0%	46%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	14	6	376	6	383	180	66
LT Vol	2	0	143	6	0	156	0
Through Vol	12	0	232	0	206	24	0
RT Vol	0	6	1	0	177	0	66
Lane Flow Rate	15	6	400	6	407	191	70
Geometry Grp	5	5	4b	5	5	5	5
Degree of Util (X)	0.032	0.012	0.692	0.012	0.655	0.39	0.121
Departure Headway (Hd)	7.721	6.925	6.227	6.603	5.785	7.324	6.2
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	466	520	580	540	623	490	575
Service Time	5.421	4.625	4.289	4.366	3.547	5.095	3.97
HCM Lane V/C Ratio	0.032	0.012	0.69	0.011	0.653	0.39	0.122
HCM Control Delay, s/veh	10.7	9.7	22.2	9.4	19	14.7	9.8
HCM Lane LOS	B	A	C	A	C	B	A
HCM 95th-tile Q	0.1	0	5.4	0	4.8	1.8	0.4

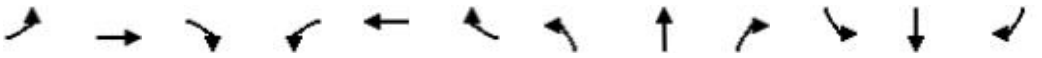
Background

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	12	937	262	78	665	146	0	2	0
Future Volume (vph)	12	937	262	78	665	146	0	2	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	22.0	122.0	48.0	48.0	48.0	48.0
Total Split (%)	58.8%	58.8%	58.8%	12.9%	71.8%	28.2%	28.2%	28.2%	28.2%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max
Act Effct Green (s)	95.5	95.5	95.5	12.4	115.2		39.6		41.2
Actuated g/C Ratio	0.56	0.56	0.56	0.07	0.68		0.23		0.24
v/c Ratio	0.04	0.49	0.31	0.65	0.30		0.53		0.01
Control Delay (s/veh)	18.3	23.9	14.7	115.4	8.8		40.3		0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Delay (s/veh)	18.3	23.9	14.7	115.4	8.8		40.3		0.0
LOS	B	C	B	F	A		D		A
Approach Delay (s/veh)		21.8			20.1		40.3		
Approach LOS		C			C		D		

Intersection Summary	
Cycle Length: 170	
Actuated Cycle Length: 170	
Offset: 3 (2%), Referenced to phase 2:WBT, Start of Green	
Natural Cycle: 95	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.65	
Intersection Signal Delay (s/veh): 22.7	Intersection LOS: C
Intersection Capacity Utilization 61.9%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	937	262	78	665	0	146	0	33	2	0	1
Future Volume (veh/h)	12	937	262	78	665	0	146	0	33	2	0	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1055	1841	1752	1826	1781	1900	1767	1900	1530	1159	1900	418
Adj Flow Rate, veh/h	12	956	267	80	679	0	149	0	34	2	0	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	57	4	10	5	8	0	9	0	25	50	0	100
Cap, veh/h	420	3109	1320	98	3345	0	327	2	66	278	7	125
Arrive On Green	0.89	0.89	0.89	0.06	0.99	0.00	0.24	0.00	0.24	0.24	0.00	0.24
Sat Flow, veh/h	429	3497	1485	1739	3474	0	1190	7	273	1003	29	516
Grp Volume(v), veh/h	12	956	267	80	679	0	183	0	0	3	0	0
Grp Sat Flow(s),veh/h/ln	429	1749	1485	1739	1692	0	1470	0	0	1548	0	0
Q Serve(g_s), s	0.6	7.1	4.1	7.7	0.5	0.0	18.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.2	7.1	4.1	7.7	0.5	0.0	18.3	0.0	0.0	0.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.81		0.19	0.67		0.33
Lane Grp Cap(c), veh/h	420	3109	1320	98	3345	0	395	0	0	410	0	0
V/C Ratio(X)	0.03	0.31	0.20	0.82	0.20	0.00	0.46	0.00	0.00	0.01	0.00	0.00
Avail Cap(c_a), veh/h	420	3109	1320	150	3345	0	395	0	0	410	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	1.3	1.4	1.3	79.3	0.0	0.0	55.7	0.0	0.0	48.9	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.3	0.3	17.9	0.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	3.0	1.6	7.2	0.1	0.0	11.3	0.0	0.0	0.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	1.4	1.7	1.6	97.3	0.2	0.0	56.5	0.0	0.0	48.9	0.0	0.0
LnGrp LOS	A	A	A	F	A		E			D		
Approach Vol, veh/h		1235			759			183			3	
Approach Delay, s/veh		1.7			10.4			56.5			48.9	
Approach LOS		A			B			E			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		176.4		49.6	16.9	159.5		49.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		115.2		39.6	14.7	93.2		* 41				
Max Q Clear Time (g_c+I1), s		2.5		20.3	9.7	9.1		2.2				
Green Ext Time (p_c), s		5.7		0.9	0.1	11.0		0.0				

Intersection Summary	
HCM 7th Control Delay, s/veh	9.4
HCM 7th LOS	A

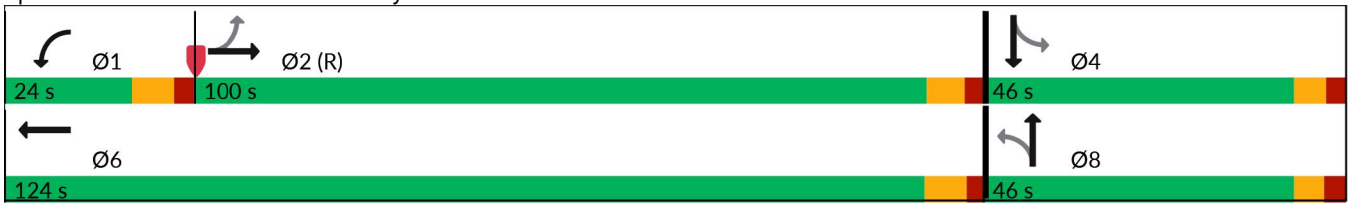
Notes

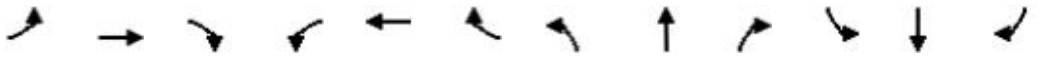
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	4	1098	153	711	70	52	67	76
Future Volume (vph)	4	1098	153	711	70	52	67	76
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	24.0	124.0	46.0	46.0	46.0	46.0
Total Split (%)	58.8%	58.8%	14.1%	72.9%	27.1%	27.1%	27.1%	27.1%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None
Act Effct Green (s)	95.9	95.9	19.2	122.6		33.4		33.4
Actuated g/C Ratio	0.56	0.56	0.11	0.72		0.20		0.20
v/c Ratio	0.01	0.63	0.83	0.31		0.90		0.76
Control Delay (s/veh)	40.3	60.2	103.0	9.4		89.2		86.9
Queue Delay	0.0	0.0	0.0	0.0		0.0		0.0
Total Delay (s/veh)	40.3	60.2	103.0	9.4		89.2		86.9
LOS	D	E	F	A		F		F
Approach Delay (s/veh)		60.1		25.7		89.2		86.9
Approach LOS		E		C		F		F

Intersection Summary	
Cycle Length: 170	
Actuated Cycle Length: 170	
Offset: 167 (98%), Referenced to phase 2:EBTL, Start of Green	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.90	
Intersection Signal Delay (s/veh): 52.3	Intersection LOS: D
Intersection Capacity Utilization 74.8%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	1098	49	153	711	17	70	52	135	67	76	3
Future Volume (veh/h)	4	1098	49	153	711	17	70	52	135	67	76	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1826	1693	1856	1826	1870	1870	1841	1870	1870	1870	1411
Adj Flow Rate, veh/h	4	1168	52	163	756	18	74	55	144	71	81	3
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	5	14	3	5	2	2	4	2	2	2	33
Cap, veh/h	443	1947	87	168	2482	59	98	68	155	112	118	4
Arrive On Green	0.58	0.58	0.58	0.10	0.72	0.72	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	696	3383	151	1767	3463	82	354	337	771	402	585	19
Grp Volume(v), veh/h	4	599	621	163	379	395	273	0	0	155	0	0
Grp Sat Flow(s),veh/h/ln	696	1735	1799	1767	1735	1811	1462	0	0	1006	0	0
Q Serve(g_s), s	0.4	38.0	38.1	15.6	13.4	13.4	5.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.4	38.0	38.1	15.6	13.4	13.4	31.3	0.0	0.0	25.5	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.05	0.27		0.53	0.46		0.02
Lane Grp Cap(c), veh/h	443	998	1035	168	1243	1298	321	0	0	233	0	0
V/C Ratio(X)	0.01	0.60	0.60	0.97	0.30	0.30	0.85	0.00	0.00	0.67	0.00	0.00
Avail Cap(c_a), veh/h	443	998	1035	168	1243	1298	368	0	0	279	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	15.4	23.4	23.4	76.6	8.7	8.7	66.7	0.0	0.0	63.5	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.7	2.6	59.7	0.6	0.6	15.6	0.0	0.0	4.5	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	22.3	23.0	15.0	8.6	8.9	19.0	0.0	0.0	10.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	15.4	26.0	26.0	136.3	9.4	9.3	82.3	0.0	0.0	68.0	0.0	0.0
LnGrp LOS	B	C	C	F	A	A	F			E		
Approach Vol, veh/h		1224			937			273			155	
Approach Delay, s/veh		26.0			31.4			82.3			68.0	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	24.0	105.3		40.7		129.3		40.7				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	16.2	* 93		39.4		116.6		39.4				
Max Q Clear Time (g_c+I1), s	17.6	40.1		27.5		15.4		33.3				
Green Ext Time (p_c), s	0.0	9.8		0.6		4.9		0.8				

Intersection Summary		
HCM 7th Control Delay, s/veh	36.4	
HCM 7th LOS	D	

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	0	3	0	0	5	5	242	1	1	270	5
Future Vol, veh/h	3	0	3	0	0	5	5	242	1	1	270	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	2	0	100	0	0	20	100	2	100	2	3	60
Mvmt Flow	3	0	3	0	0	6	6	281	1	1	314	6

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	612	613	317	610	616	282	320	0	0	283	0	0
Stage 1	319	319	-	294	294	-	-	-	-	-	-	-
Stage 2	293	294	-	316	322	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.5	7.2	7.1	6.5	6.4	5.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4	4.2	3.5	4	3.48	3.1	-	-	2.218	-	-
Pot Cap-1 Maneuver	405	410	544	410	409	716	845	-	-	1280	-	-
Stage 1	692	656	-	719	674	-	-	-	-	-	-	-
Stage 2	715	673	-	699	655	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	398	406	544	403	405	716	845	-	-	1280	-	-
Mov Cap-2 Maneuver	398	406	-	403	405	-	-	-	-	-	-	-
Stage 1	692	656	-	713	668	-	-	-	-	-	-	-
Stage 2	703	668	-	694	654	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	12.95	10.07	0.19	0.03
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	36	-	-	460	716	6	-	-
HCM Lane V/C Ratio	0.007	-	-	0.015	0.008	0.001	-	-
HCM Ctrl Dly (s/v)	9.3	0	-	13	10.1	7.8	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0	0	-	-

Intersection	
Intersection Delay, s/veh	15.3
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	70	194	1	4	199	157	3	28	5	127	10	128
Future Vol, veh/h	70	194	1	4	199	157	3	28	5	127	10	128
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles, %	10	4	2	2	4	3	2	2	20	6	10	2
Mvmt Flow	77	213	1	4	219	173	3	31	5	140	11	141
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

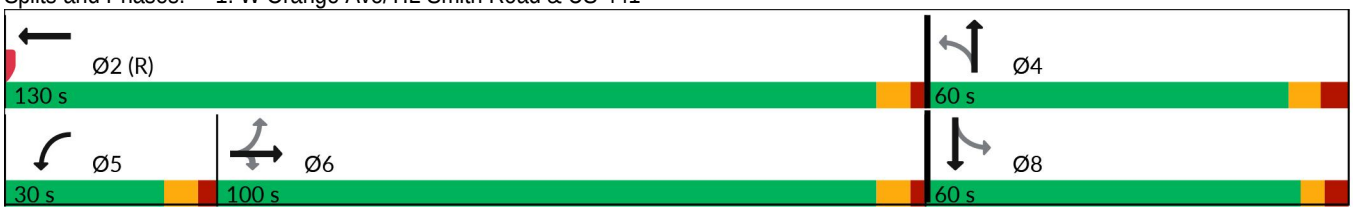
Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay, s/veh	16.1	17.6	10.3	11.9
HCM LOS	C	C	B	B

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	10%	0%	26%	100%	0%	93%	0%
Vol Thru, %	90%	0%	73%	0%	56%	7%	0%
Vol Right, %	0%	100%	0%	0%	44%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	31	5	265	4	356	137	128
LT Vol	3	0	70	4	0	127	0
Through Vol	28	0	194	0	199	10	0
RT Vol	0	5	1	0	157	0	128
Lane Flow Rate	34	5	291	4	391	151	141
Geometry Grp	5	5	4b	5	5	5	5
Degree of Util (X)	0.068	0.01	0.517	0.008	0.625	0.299	0.236
Departure Headway (Hd)	7.228	6.46	6.392	6.538	5.754	7.159	6.042
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	493	550	562	547	626	501	592
Service Time	5.011	4.242	4.445	4.287	3.502	4.918	3.8
HCM Lane V/C Ratio	0.069	0.009	0.518	0.007	0.625	0.301	0.238
HCM Control Delay, s/veh	10.5	9.3	16.1	9.3	17.7	13	10.7
HCM Lane LOS	B	A	C	A	C	B	B
HCM 95th-tile Q	0.2	0	3	0	4.3	1.2	0.9

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	3	879	203	54	875	216	1	8	0
Future Volume (vph)	3	879	203	54	875	216	1	8	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	30.0	130.0	60.0	60.0	60.0	60.0
Total Split (%)	52.6%	52.6%	52.6%	15.8%	68.4%	31.6%	31.6%	31.6%	31.6%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max
Act Effct Green (s)	104.1	104.1	104.1	11.8	123.2		51.6		53.2
Actuated g/C Ratio	0.55	0.55	0.55	0.06	0.65		0.27		0.28
v/c Ratio	0.02	0.49	0.26	0.55	0.43		0.85		0.03
Control Delay (s/veh)	22.0	28.1	15.9	90.2	20.8		84.7		0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Delay (s/veh)	22.0	28.1	15.9	90.2	20.8		84.7		0.1
LOS	C	C	B	F	C		F		A
Approach Delay (s/veh)		25.8			24.8		84.7		0.1
Approach LOS		C			C		F		A

Intersection Summary	
Cycle Length: 190	
Actuated Cycle Length: 190	
Offset: 51 (27%), Referenced to phase 2:WBT, Start of Green	
Natural Cycle: 95	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.85	
Intersection Signal Delay (s/veh): 32.7	Intersection LOS: C
Intersection Capacity Utilization 75.9%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	879	203	54	875	18	216	1	80	8	0	4
Future Volume (veh/h)	3	879	203	54	875	18	216	1	80	8	0	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	418	1856	1781	1811	1870	418	1811	1870	1856	1870	1870	1870
Adj Flow Rate, veh/h	3	945	218	58	941	19	232	1	86	9	0	4
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	100	3	8	6	2	100	6	2	3	2	2	2
Cap, veh/h	147	2982	1277	73	3300	67	331	1	110	310	6	126
Arrive On Green	0.85	0.85	0.85	0.04	0.93	0.93	0.28	0.28	0.28	0.28	0.00	0.28
Sat Flow, veh/h	131	3526	1510	1725	3562	72	1064	5	394	991	21	450
Grp Volume(v), veh/h	3	945	218	58	469	491	319	0	0	13	0	0
Grp Sat Flow(s),veh/h/ln	131	1763	1510	1725	1777	1857	1463	0	0	1461	0	0
Q Serve(g_s), s	0.7	10.7	4.9	6.3	5.0	5.0	37.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.3	10.7	4.9	6.3	5.0	5.0	38.1	0.0	0.0	1.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.04	0.73		0.27	0.69		0.31
Lane Grp Cap(c), veh/h	147	2982	1277	73	1646	1721	442	0	0	441	0	0
V/C Ratio(X)	0.02	0.32	0.17	0.80	0.29	0.29	0.72	0.00	0.00	0.03	0.00	0.00
Avail Cap(c_a), veh/h	147	2982	1277	206	1646	1721	442	0	0	441	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	2.6	3.1	2.6	90.2	0.7	0.7	62.8	0.0	0.0	49.6	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.3	0.3	17.6	0.4	0.4	5.7	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	5.5	2.3	5.7	0.7	0.7	21.4	0.0	0.0	0.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	2.8	3.4	2.9	107.8	1.1	1.1	68.5	0.0	0.0	49.7	0.0	0.0
LnGrp LOS	A	A	A	F	A	A	E			D		
Approach Vol, veh/h		1166			1018			319			13	
Approach Delay, s/veh		3.3			7.2			68.5			49.7	
Approach LOS		A			A			E			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		184.4		61.6	15.3	169.1		61.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		123.2		51.6	22.7	93.2		* 53				
Max Q Clear Time (g_c+I1), s		7.0		40.1	8.3	12.7		3.0				
Green Ext Time (p_c), s		6.6		1.5	0.1	9.0		0.0				

Intersection Summary	
HCM 7th Control Delay, s/veh	13.4
HCM 7th LOS	B

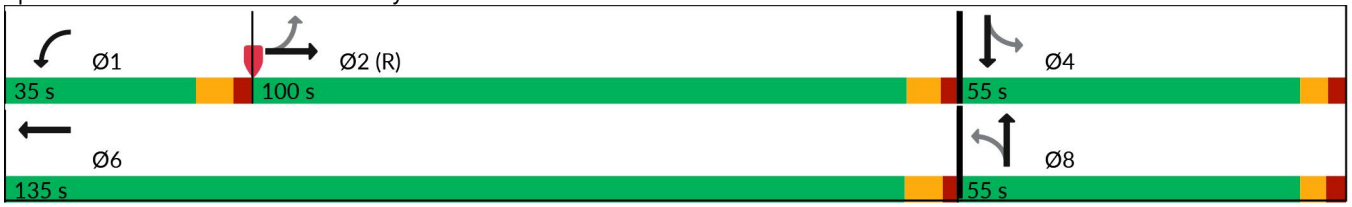
Notes

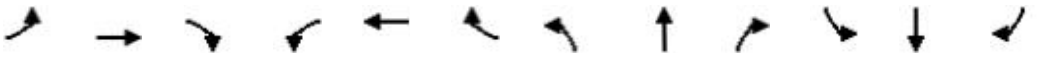
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	6	947	173	1146	52	82	49	37
Future Volume (vph)	6	947	173	1146	52	82	49	37
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	35.0	135.0	55.0	55.0	55.0	55.0
Total Split (%)	52.6%	52.6%	18.4%	71.1%	28.9%	28.9%	28.9%	28.9%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None
Act Effct Green (s)	102.8	102.8	23.2	133.5		42.5		42.5
Actuated g/C Ratio	0.54	0.54	0.12	0.70		0.22		0.22
v/c Ratio	0.03	0.53	0.82	0.51		0.92		0.52
Control Delay (s/veh)	14.3	14.3	109.3	14.5		92.9		72.9
Queue Delay	0.0	0.0	0.0	0.0		0.0		0.0
Total Delay (s/veh)	14.3	14.3	109.3	14.5		92.9		72.9
LOS	B	B	F	B		F		E
Approach Delay (s/veh)		14.3		26.3		92.9		72.9
Approach LOS		B		C		F		E

Intersection Summary	
Cycle Length: 190	
Actuated Cycle Length: 190	
Offset: 121 (64%), Referenced to phase 2:EBTL, Start of Green	
Natural Cycle: 75	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.92	
Intersection Signal Delay (s/veh): 31.8	Intersection LOS: C
Intersection Capacity Utilization 84.6%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	6	947	39	173	1146	76	52	82	212	49	37	7
Future Volume (veh/h)	6	947	39	173	1146	76	52	82	212	49	37	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1856	1856	1781	1870	1870	1870	1856	1870
Adj Flow Rate, veh/h	6	966	40	177	1169	78	53	84	216	50	38	7
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	3	3	8	2	2	2	3	2
Cap, veh/h	277	1903	79	196	2342	156	69	97	229	99	69	11
Arrive On Green	0.55	0.55	0.55	0.11	0.70	0.70	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	446	3477	144	1781	3354	224	209	427	1003	308	305	49
Grp Volume(v), veh/h	6	494	512	177	614	633	353	0	0	95	0	0
Grp Sat Flow(s),veh/h/ln	446	1777	1844	1781	1763	1815	1638	0	0	661	0	0
Q Serve(g_s), s	1.2	33.1	33.1	18.7	30.6	30.7	14.7	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	3.2	33.1	33.1	18.7	30.6	30.7	40.2	0.0	0.0	25.4	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.12	0.15		0.61	0.53		0.07
Lane Grp Cap(c), veh/h	277	972	1009	196	1231	1267	395	0	0	180	0	0
V/C Ratio(X)	0.02	0.51	0.51	0.90	0.50	0.50	0.89	0.00	0.00	0.53	0.00	0.00
Avail Cap(c_a), veh/h	277	972	1009	255	1231	1267	438	0	0	215	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	20.7	27.0	27.0	83.6	13.3	13.3	71.9	0.0	0.0	64.9	0.0	0.0
Incr Delay (d2), s/veh	0.1	1.9	1.8	27.5	1.4	1.4	18.9	0.0	0.0	2.4	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.2	20.6	21.3	15.2	17.9	18.3	26.3	0.0	0.0	7.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	20.8	28.9	28.8	111.1	14.7	14.7	90.8	0.0	0.0	67.3	0.0	0.0
LnGrp LOS	C	C	C	F	B	B	F			E		
Approach Vol, veh/h		1012			1424			353			95	
Approach Delay, s/veh		28.8			26.7			90.8			67.3	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	28.7	111.4		49.9		140.1		49.9				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	27.2	* 93		48.4		127.6		48.4				
Max Q Clear Time (g_c+I1), s	20.7	35.1		27.4		32.7		42.2				
Green Ext Time (p_c), s	0.2	7.2		0.5		10.3		1.1				

Intersection Summary												
HCM 7th Control Delay, s/veh			36.6									
HCM 7th LOS			D									

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	0	1	1	0	0	2	342	4	2	248	4
Future Vol, veh/h	4	0	1	1	0	0	2	342	4	2	248	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	75	0	2	2	0	0	100	2	25	2	2	25
Mvmt Flow	5	0	1	1	0	0	2	389	5	2	282	5

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	682	686	284	682	686	391	286	0	0	393	0	0
Stage 1	289	289	-	395	395	-	-	-	-	-	-	-
Stage 2	393	398	-	286	291	-	-	-	-	-	-	-
Critical Hdwy	7.85	6.5	6.22	7.12	6.5	6.2	5.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.85	5.5	-	6.12	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.85	5.5	-	6.12	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	4.175	4	3.318	3.518	4	3.3	3.1	-	-	2.218	-	-
Pot Cap-1 Maneuver	282	373	755	364	373	662	873	-	-	1165	-	-
Stage 1	586	677	-	630	608	-	-	-	-	-	-	-
Stage 2	508	606	-	721	675	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	281	370	755	361	370	662	873	-	-	1165	-	-
Mov Cap-2 Maneuver	281	370	-	361	370	-	-	-	-	-	-	-
Stage 1	584	675	-	628	606	-	-	-	-	-	-	-
Stage 2	506	604	-	718	674	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	16.42	14.99	0.05	0.06
HCM LOS	C	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	10	-	-	321	361	14	-	-
HCM Lane V/C Ratio	0.003	-	-	0.018	0.003	0.002	-	-
HCM Ctrl Dly (s/v)	9.1	0	-	16.4	15	8.1	0	-
HCM Lane LOS	A	A	-	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-	-

Intersection	
Intersection Delay, s/veh	19.6
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	146	238	1	6	211	181	2	12	6	160	25	68
Future Vol, veh/h	146	238	1	6	211	181	2	12	6	160	25	68
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	2	3	2	2	3	2	2	2	17	2	4	2
Mvmt Flow	155	253	1	6	224	193	2	13	6	170	27	72
Number of Lanes	0	1	0	1	1	0	0	1	1	0	1	1

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	2	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	2	2	1
HCM Control Delay, s/veh	23.7	19.9	10.5	13.7
HCM LOS	C	C	B	B

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	14%	0%	38%	100%	0%	86%	0%
Vol Thru, %	86%	0%	62%	0%	54%	14%	0%
Vol Right, %	0%	100%	0%	0%	46%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	14	6	385	6	392	185	68
LT Vol	2	0	146	6	0	160	0
Through Vol	12	0	238	0	211	25	0
RT Vol	0	6	1	0	181	0	68
Lane Flow Rate	15	6	410	6	417	197	72
Geometry Grp	5	5	4b	5	5	5	5
Degree of Util (X)	0.032	0.012	0.715	0.012	0.677	0.404	0.126
Departure Headway (Hd)	7.832	7.035	6.283	6.661	5.843	7.389	6.264
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	460	512	573	535	617	486	569
Service Time	5.532	4.735	4.347	4.426	3.607	5.163	4.038
HCM Lane V/C Ratio	0.033	0.012	0.716	0.011	0.676	0.405	0.127
HCM Control Delay, s/veh	10.8	9.8	23.7	9.5	20.1	15.1	9.9
HCM Lane LOS	B	A	C	A	C	C	A
HCM 95th-tile Q	0.1	0	5.8	0	5.2	1.9	0.4

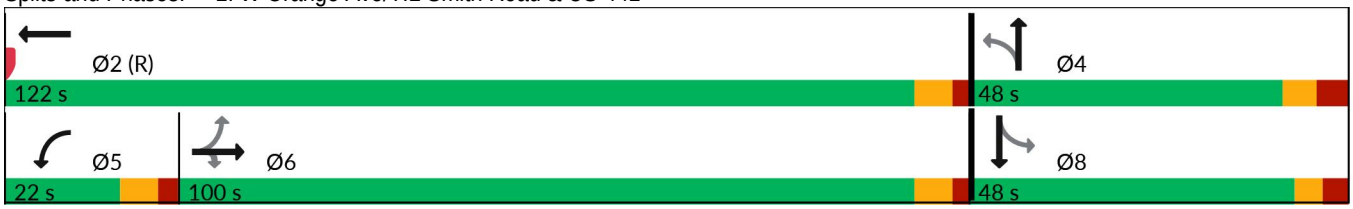
Buildout

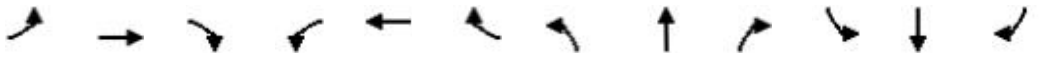
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	12	939	262	78	665	148	0	2	0
Future Volume (vph)	12	939	262	78	665	148	0	2	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	22.0	122.0	48.0	48.0	48.0	48.0
Total Split (%)	58.8%	58.8%	58.8%	12.9%	71.8%	28.2%	28.2%	28.2%	28.2%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max

Intersection Summary

Cycle Length: 170
Actuated Cycle Length: 170
Offset: 3 (2%), Referenced to phase 2:WBT, Start of Green
Natural Cycle: 95
Control Type: Actuated-Coordinated

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	939	262	78	665	0	148	0	33	2	0	1
Future Volume (veh/h)	12	939	262	78	665	0	148	0	33	2	0	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1055	1841	1752	1826	1781	1900	1767	1900	1530	1159	1900	418
Adj Flow Rate, veh/h	12	958	267	80	679	0	151	0	34	2	0	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	57	4	10	5	8	0	9	0	25	50	0	100
Cap, veh/h	420	3109	1320	98	3345	0	328	1	65	279	7	125
Arrive On Green	0.89	0.89	0.89	0.06	0.99	0.00	0.24	0.00	0.24	0.24	0.00	0.24
Sat Flow, veh/h	429	3497	1485	1739	3474	0	1194	5	270	1005	29	517
Grp Volume(v), veh/h	12	958	267	80	679	0	185	0	0	3	0	0
Grp Sat Flow(s),veh/h/ln	429	1749	1485	1739	1692	0	1469	0	0	1550	0	0
Q Serve(g_s), s	0.6	7.1	4.1	7.7	0.5	0.0	18.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.2	7.1	4.1	7.7	0.5	0.0	18.5	0.0	0.0	0.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.82		0.18	0.67		0.33
Lane Grp Cap(c), veh/h	420	3109	1320	98	3345	0	395	0	0	411	0	0
V/C Ratio(X)	0.03	0.31	0.20	0.82	0.20	0.00	0.47	0.00	0.00	0.01	0.00	0.00
Avail Cap(c_a), veh/h	420	3109	1320	150	3345	0	395	0	0	411	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	1.3	1.4	1.3	79.3	0.0	0.0	55.8	0.0	0.0	48.9	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.3	0.3	17.9	0.1	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	3.0	1.6	7.2	0.1	0.0	11.4	0.0	0.0	0.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	1.4	1.7	1.6	97.3	0.2	0.0	56.7	0.0	0.0	48.9	0.0	0.0
LnGrp LOS	A	A	A	F	A		E			D		
Approach Vol, veh/h		1237			759			185			3	
Approach Delay, s/veh		1.7			10.4			56.7			48.9	
Approach LOS		A			B			E			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		176.4		49.6	16.9	159.5		49.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		115.2		39.6	14.7	93.2		* 41				
Max Q Clear Time (g_c+I1), s		2.5		20.5	9.7	9.1		2.2				
Green Ext Time (p_c), s		5.7		0.9	0.1	11.1		0.0				

Intersection Summary		
HCM 7th Control Delay, s/veh	9.4	
HCM 7th LOS	A	

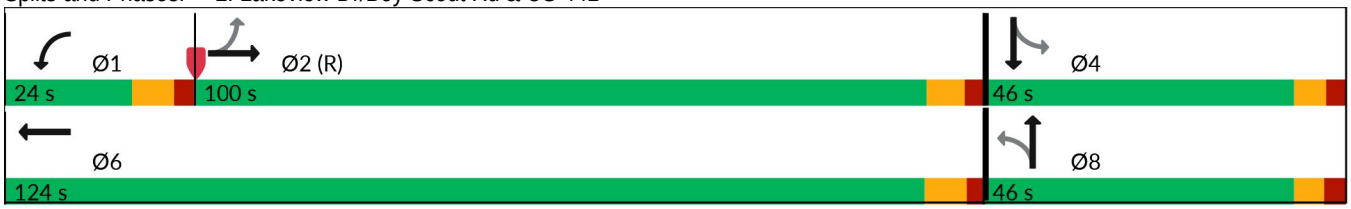
Notes

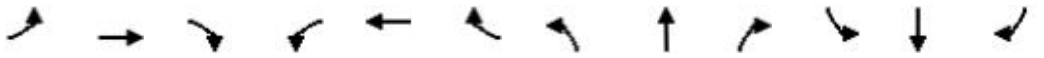
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	5	1098	159	711	70	52	67	76
Future Volume (vph)	5	1098	159	711	70	52	67	76
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	24.0	124.0	46.0	46.0	46.0	46.0
Total Split (%)	58.8%	58.8%	14.1%	72.9%	27.1%	27.1%	27.1%	27.1%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None

Intersection Summary
Cycle Length: 170
Actuated Cycle Length: 170
Offset: 167 (98%), Referenced to phase 2:EBTL, Start of Green
Natural Cycle: 80
Control Type: Actuated-Coordinated

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





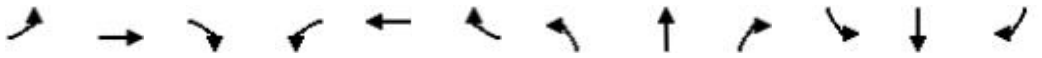
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	1098	49	159	711	17	70	52	141	67	76	3
Future Volume (veh/h)	5	1098	49	159	711	17	70	52	141	67	76	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1826	1693	1856	1826	1900	1885	1841	1870	1900	1885	1411
Adj Flow Rate, veh/h	5	1168	52	169	756	18	74	55	150	71	81	3
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	0	5	14	3	5	0	1	4	2	0	1	33
Cap, veh/h	447	1937	86	168	2472	59	98	67	161	112	119	4
Arrive On Green	0.57	0.57	0.57	0.10	0.71	0.71	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	707	3383	151	1767	3463	82	348	331	789	399	581	19
Grp Volume(v), veh/h	5	599	621	169	379	395	279	0	0	155	0	0
Grp Sat Flow(s),veh/h/ln	707	1735	1799	1767	1735	1811	1468	0	0	1000	0	0
Q Serve(g_s), s	0.5	38.3	38.3	16.2	13.6	13.6	6.4	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.5	38.3	38.3	16.2	13.6	13.6	31.9	0.0	0.0	25.5	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.05	0.27		0.54	0.46		0.02
Lane Grp Cap(c), veh/h	447	993	1030	168	1238	1293	326	0	0	235	0	0
V/C Ratio(X)	0.01	0.60	0.60	1.00	0.31	0.31	0.86	0.00	0.00	0.66	0.00	0.00
Avail Cap(c_a), veh/h	447	993	1030	168	1238	1293	369	0	0	276	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	15.6	23.7	23.7	76.9	8.9	8.9	66.5	0.0	0.0	63.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	2.7	2.6	70.3	0.6	0.6	16.2	0.0	0.0	4.5	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.2	22.5	23.2	15.9	8.7	9.0	19.5	0.0	0.0	10.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	15.7	26.4	26.3	147.2	9.5	9.5	82.7	0.0	0.0	67.5	0.0	0.0
LnGrp LOS	B	C	C	F	A	A	F			E		
Approach Vol, veh/h		1225			943			279			155	
Approach Delay, s/veh		26.3			34.2			82.7			67.5	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	24.0	104.7		41.3		128.7		41.3				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	16.2	* 93		39.4		116.6		39.4				
Max Q Clear Time (g_c+I1), s	18.2	40.3		27.5		15.6		33.9				
Green Ext Time (p_c), s	0.0	9.8		0.6		4.9		0.8				

Intersection Summary			
HCM 7th Control Delay, s/veh		37.7	
HCM 7th LOS		D	

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	0	6	0	0	5	6	242	1	1	270	11
Future Volume (Veh/h)	9	0	6	0	0	5	6	242	1	1	270	11
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Hourly flow rate (vph)	10	0	7	0	0	6	7	281	1	1	314	13
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)											904	
pX, platoon unblocked												
vC, conflicting volume	624	619	321	625	625	282	327			282		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	624	619	321	625	625	282	327			282		
tC, single (s)	7.1	6.5	7.2	7.1	6.5	6.4	5.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	4.2	3.5	4.0	3.5	3.1			2.2		
p0 queue free %	97	100	99	100	100	99	99			100		
cM capacity (veh/h)	395	404	541	392	400	716	838			1292		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	17	6	289	328
Volume Left	10	0	7	1
Volume Right	7	6	1	13
cSH	444	716	838	1292
Volume to Capacity	0.04	0.00*	0.00*	0.00*
Queue Length 95th (ft)	3	1	1	0
Control Delay (s/veh)	13.4	10.1	0.3	0.0
Lane LOS	B	B	A	A
Approach Delay (s/veh)	13.4	10.1	0.3	0.0
Approach LOS	B	B		

Intersection Summary				
Average Delay	0.6			
Intersection Capacity Utilization	31.4%	ICU Level of Service	A	
Analysis Period (min)	15			

* Value less than 0.01.

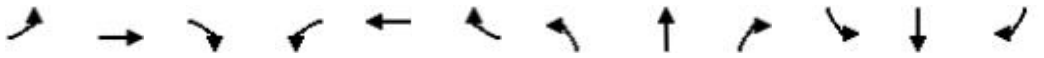
Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	9	0	6	0	0	5	6	242	1	1	270	11
Future Vol, veh/h	9	0	6	0	0	5	6	242	1	1	270	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	0	0	100	0	0	20	100	2	100	0	3	60
Mvmt Flow	10	0	7	0	0	6	7	281	1	1	314	13

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	618	619	320	612	625	282	327	0	0	283	0	0
Stage 1	323	323	-	296	296	-	-	-	-	-	-	-
Stage 2	295	297	-	316	329	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	7.2	7.1	6.5	6.4	5.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	4.2	3.5	4	3.48	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	404	407	541	408	404	716	839	-	-	1291	-	-
Stage 1	694	654	-	717	672	-	-	-	-	-	-	-
Stage 2	717	672	-	699	650	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	397	403	541	398	399	716	839	-	-	1291	-	-
Mov Cap-2 Maneuver	397	403	-	398	399	-	-	-	-	-	-	-
Stage 1	693	653	-	710	665	-	-	-	-	-	-	-
Stage 2	705	665	-	689	649	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	13.44	10.07	0.22	0.03
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	43	-	-	444	716	6	-	-
HCM Lane V/C Ratio	0.008	-	-	0.039	0.008	0.001	-	-
HCM Ctrl Dly (s/v)	9.3	0	-	13.4	10.1	7.8	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Traffic Volume (vph)	70	194	1	4	199	158	3	28	5	128	10	130
Future Volume (vph)	70	194	1	4	199	158	3	28	5	128	10	130
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	77	213	1	4	219	174	3	31	5	141	11	143

Direction, Lane #	EB 1	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total (vph)	291	4	393	34	5	152	143
Volume Left (vph)	77	4	0	3	0	141	0
Volume Right (vph)	1	0	174	0	5	0	143
Hadj (s)	0.15	0.50	-0.25	0.04	-0.36	0.57	-0.67
Departure Headway (s)	6.2	6.4	5.7	7.1	6.7	7.1	5.9
Degree Utilization, x	0.50	0.01	0.62	0.07	0.01	0.30	0.23
Capacity (veh/h)	555	534	604	433	461	472	570
Control Delay (s/veh)	15.3	8.3	16.4	9.4	8.6	11.9	9.4
Approach Delay (s/veh)	15.3	16.3		9.3		10.7	
Approach LOS	C	C		A		B	

Intersection Summary				
Delay	14.2			
Level of Service	B			
Intersection Capacity Utilization	58.6%	ICU Level of Service		B
Analysis Period (min)	15			

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1151	3	0	783	0	1
Future Volume (Veh/h)	1151	3	0	783	0	1
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1251	3	0	851	0	1
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage veh)						
Upstream signal (ft)				515		
pX, platoon unblocked					0.92	
vC, conflicting volume			1254		1678	627
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1254		1564	627
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	100
cM capacity (veh/h)			562		96	431

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	NB 1
Volume Total	834	420	426	426	1
Volume Left	0	0	0	0	0
Volume Right	0	3	0	0	1
cSH	1700	1700	1700	1700	431
Volume to Capacity	0.49	0.25	0.25	0.25	0.00*
Queue Length 95th (ft)	0	0	0	0	0
Control Delay (s/veh)	0.0	0.0	0.0	0.0	13.4
Lane LOS					B
Approach Delay (s/veh)	0.0		0.0		13.4
Approach LOS					B

Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	41.9%	ICU Level of Service	A
Analysis Period (min)	15		

* Value less than 0.01.

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1151	3	0	783	0	1
Future Vol, veh/h	1151	3	0	783	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	5	0	0
Mvmt Flow	1251	3	0	851	0	1

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	-	-	-	627
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	-	-	0	-	0	431
Stage 1	-	-	0	-	0	-
Stage 2	-	-	0	-	0	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	-	-	-	431
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0	0	13.37
HCM LOS			B

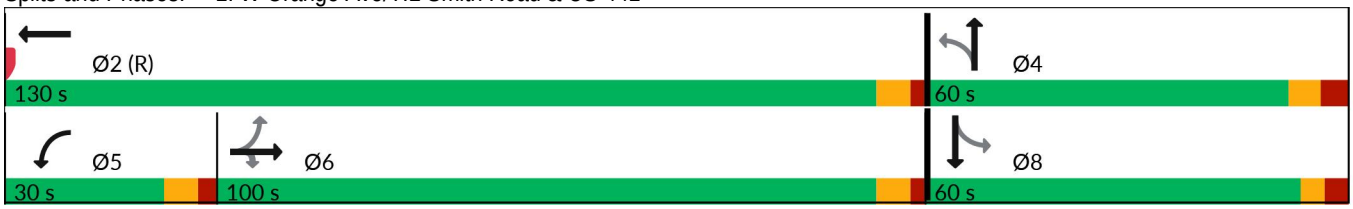
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBT
Capacity (veh/h)	431	-	-	-
HCM Lane V/C Ratio	0.003	-	-	-
HCM Ctrl Dly (s/v)	13.4	-	-	-
HCM Lane LOS	B	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	3	881	203	54	875	218	1	8	0
Future Volume (vph)	3	881	203	54	875	218	1	8	0
Turn Type	Perm	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases		6		5	2		4		8
Permitted Phases	6		6			4		8	
Detector Phase	6	6	6	5	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	15.0	15.0	15.0	5.0	20.0	5.0	5.0	5.0	5.0
Minimum Split (s)	31.8	31.8	31.8	12.3	27.8	46.4	46.4	24.8	24.8
Total Split (s)	100.0	100.0	100.0	30.0	130.0	60.0	60.0	60.0	60.0
Total Split (%)	52.6%	52.6%	52.6%	15.8%	68.4%	31.6%	31.6%	31.6%	31.6%
Yellow Time (s)	4.8	4.8	4.8	4.8	4.8	4.4	4.4	3.4	3.4
All-Red Time (s)	2.0	2.0	2.0	2.5	2.0	4.0	4.0	3.4	3.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	6.8	6.8	6.8	7.3	6.8		8.4		6.8
Lead/Lag	Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	Max	Max	Max	None	C-Max	None	None	Max	Max

Intersection Summary

Cycle Length: 190
Actuated Cycle Length: 190
Offset: 51 (27%), Referenced to phase 2:WBT, Start of Green
Natural Cycle: 95
Control Type: Actuated-Coordinated

Splits and Phases: 1: W Orange Ave/T.L Smith Road & US 441



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	881	203	54	875	18	218	1	80	8	0	4
Future Volume (veh/h)	3	881	203	54	875	18	218	1	80	8	0	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	418	1856	1781	1811	1870	418	1811	418	1856	1900	1900	1900
Adj Flow Rate, veh/h	3	947	218	58	941	19	234	1	86	9	0	4
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	100	3	8	6	2	100	6	100	3	0	0	0
Cap, veh/h	147	2981	1277	73	3300	67	99	0	25	320	6	131
Arrive On Green	0.85	0.85	0.85	0.04	0.93	0.93	0.28	0.28	0.28	0.28	0.00	0.28
Sat Flow, veh/h	131	3526	1510	1725	3562	72	238	1	88	1029	21	466
Grp Volume(v), veh/h	3	947	218	58	469	491	321	0	0	13	0	0
Grp Sat Flow(s),veh/h/ln	131	1763	1510	1725	1777	1857	327	0	0	1516	0	0
Q Serve(g_s), s	0.7	10.8	4.9	6.3	5.0	5.0	52.2	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.3	10.8	4.9	6.3	5.0	5.0	53.2	0.0	0.0	1.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.04	0.73		0.27	0.69		0.31
Lane Grp Cap(c), veh/h	147	2981	1277	73	1646	1721	124	0	0	457	0	0
V/C Ratio(X)	0.02	0.32	0.17	0.80	0.29	0.29	2.58	0.00	0.00	0.03	0.00	0.00
Avail Cap(c_a), veh/h	147	2981	1277	206	1646	1721	124	0	0	457	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	2.6	3.1	2.6	90.2	0.7	0.7	75.3	0.0	0.0	49.6	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.3	0.3	17.5	0.4	0.4	735.1	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.1	6.3	2.6	5.8	1.5	1.5	54.2	0.0	0.0	0.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	2.8	3.4	2.9	107.7	1.1	1.1	810.4	0.0	0.0	49.7	0.0	0.0
LnGrp LOS	A	A	A	F	A	A	F			D		
Approach Vol, veh/h		1168			1018			321			13	
Approach Delay, s/veh		3.3			7.2			810.4			49.7	
Approach LOS		A			A			F			D	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		184.4		61.6	15.3	169.1		61.6				
Change Period (Y+Rc), s		6.8		8.4	7.3	6.8		* 8.4				
Max Green Setting (Gmax), s		123.2		51.6	22.7	93.2		* 53				
Max Q Clear Time (g_c+I1), s		7.0		55.2	8.3	12.8		3.0				
Green Ext Time (p_c), s		7.9		0.0	0.1	10.5		0.0				

Intersection Summary		
HCM 7th Control Delay, s/veh	107.9	
HCM 7th LOS	F	

Notes

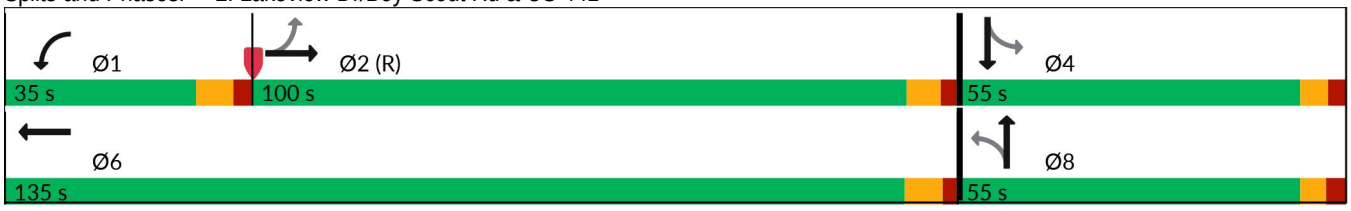
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

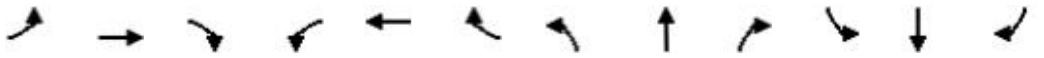
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations								
Traffic Volume (vph)	7	947	179	1146	52	82	49	37
Future Volume (vph)	7	947	179	1146	52	82	49	37
Turn Type	Perm	NA	Prot	NA	Perm	NA	Perm	NA
Protected Phases		2	1	6		8		4
Permitted Phases	2				8		4	
Detector Phase	2	2	1	6	8	8	4	4
Switch Phase								
Minimum Initial (s)	15.0	15.0	5.0	15.0	5.0	5.0	5.0	5.0
Minimum Split (s)	25.1	25.1	12.8	25.4	24.6	24.6	24.6	24.6
Total Split (s)	100.0	100.0	35.0	135.0	55.0	55.0	55.0	55.0
Total Split (%)	52.6%	52.6%	18.4%	71.1%	28.9%	28.9%	28.9%	28.9%
Yellow Time (s)	4.8	4.8	5.4	5.4	3.7	3.7	4.1	4.1
All-Red Time (s)	2.3	2.3	2.4	2.0	2.9	2.9	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.1	7.1	7.8	7.4		6.6		6.6
Lead/Lag	Lag	Lag	Lead					
Lead-Lag Optimize?	Yes	Yes	Yes					
Recall Mode	C-Max	C-Max	None	Max	None	None	None	None

Intersection Summary

Cycle Length: 190
Actuated Cycle Length: 190
Offset: 121 (64%), Referenced to phase 2:EBTL, Start of Green
Natural Cycle: 75
Control Type: Actuated-Coordinated

Splits and Phases: 2: Lakeview Dr/Boy Scout Rd & US 441





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	7	947	39	179	1146	76	52	82	218	49	37	7
Future Volume (veh/h)	7	947	39	179	1146	76	52	82	218	49	37	7
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1885	1856	1856	1781	1885	1870	1870	1856	1900
Adj Flow Rate, veh/h	7	966	40	183	1169	78	53	84	222	50	38	7
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	0	1	3	3	8	1	2	2	3	0
Cap, veh/h	280	1918	79	202	2337	156	69	97	235	99	69	11
Arrive On Green	0.54	0.54	0.54	0.11	0.70	0.70	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	453	3532	146	1795	3354	224	207	424	1022	305	301	48
Grp Volume(v), veh/h	7	494	512	183	614	633	359	0	0	95	0	0
Grp Sat Flow(s),veh/h/ln	453	1805	1874	1795	1763	1815	1652	0	0	654	0	0
Q Serve(g_s), s	1.4	32.7	32.7	19.1	30.8	30.9	14.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	3.1	32.7	32.7	19.1	30.8	30.9	40.5	0.0	0.0	25.7	0.0	0.0
Prop In Lane	1.00		0.08	1.00		0.12	0.15		0.62	0.53		0.07
Lane Grp Cap(c), veh/h	280	980	1018	202	1228	1264	401	0	0	179	0	0
V/C Ratio(X)	0.03	0.50	0.50	0.91	0.50	0.50	0.89	0.00	0.00	0.53	0.00	0.00
Avail Cap(c_a), veh/h	280	980	1018	257	1228	1264	442	0	0	212	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	21.0	27.3	27.3	83.3	13.4	13.4	71.8	0.0	0.0	64.7	0.0	0.0
Incr Delay (d2), s/veh	0.2	1.8	1.8	28.3	1.5	1.4	19.1	0.0	0.0	2.4	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.3	20.7	21.3	15.7	17.9	18.4	26.7	0.0	0.0	7.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	21.1	29.1	29.1	111.6	14.9	14.9	90.9	0.0	0.0	67.1	0.0	0.0
LnGrp LOS	C	C	C	F	B	B	F			E		
Approach Vol, veh/h		1013			1430			359			95	
Approach Delay, s/veh		29.1			27.2			90.9			67.1	
Approach LOS		C			C			F			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	29.2	110.6		50.3		139.7		50.3				
Change Period (Y+Rc), s	7.8	* 7.4		6.6		7.4		6.6				
Max Green Setting (Gmax), s	27.2	* 93		48.4		127.6		48.4				
Max Q Clear Time (g_c+I1), s	21.1	34.7		27.7		32.9		42.5				
Green Ext Time (p_c), s	0.2	7.2		0.5		10.3		1.1				

Intersection Summary												
HCM 7th Control Delay, s/veh			37.1									
HCM 7th LOS			D									

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	0	4	1	0	0	3	342	4	2	248	10
Future Volume (Veh/h)	10	0	4	1	0	0	3	342	4	2	248	10
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Hourly flow rate (vph)	11	0	5	1	0	0	3	389	5	2	282	11
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)											904	
pX, platoon unblocked												
vC, conflicting volume	689	692	288	694	695	392	293			394		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	689	692	288	694	695	392	293			394		
tC, single (s)	7.8	6.5	6.2	7.1	6.5	6.2	5.1			4.1		
tC, 2 stage (s)												
tF (s)	4.2	4.0	3.3	3.5	4.0	3.3	3.1			2.2		
p0 queue free %	96	100	99	100	100	100	100			100		
cM capacity (veh/h)	278	368	756	356	367	662	868			1176		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	16	1	397	295
Volume Left	11	1	3	2
Volume Right	5	0	5	11
cSH	346	356	868	1176
Volume to Capacity	0.05	0.00*	0.00*	0.00*
Queue Length 95th (ft)	4	0	0	0
Control Delay (s/veh)	15.9	15.1	0.1	0.1
Lane LOS	C	C	A	A
Approach Delay (s/veh)	15.9	15.1	0.1	0.1
Approach LOS	C	C		

Intersection Summary				
Average Delay	0.5			
Intersection Capacity Utilization	30.2%	ICU Level of Service	A	
Analysis Period (min)	15			

* Value less than 0.01.

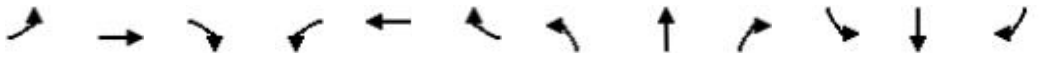
Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	0	4	1	0	0	3	342	4	2	248	10
Future Vol, veh/h	10	0	4	1	0	0	3	342	4	2	248	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	75	0	0	0	0	0	100	2	25	0	2	25
Mvmt Flow	11	0	5	1	0	0	3	389	5	2	282	11

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	688	692	288	684	695	391	293	0	0	393	0	0
Stage 1	292	292	-	398	398	-	-	-	-	-	-	-
Stage 2	395	400	-	286	298	-	-	-	-	-	-	-
Critical Hdwy	7.85	6.5	6.2	7.1	6.5	6.2	5.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.85	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.85	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	4.175	4	3.3	3.5	4	3.3	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	279	370	756	365	368	662	867	-	-	1176	-	-
Stage 1	583	675	-	632	606	-	-	-	-	-	-	-
Stage 2	507	605	-	725	671	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	277	367	756	361	365	662	867	-	-	1176	-	-
Mov Cap-2 Maneuver	277	367	-	361	365	-	-	-	-	-	-	-
Stage 1	582	673	-	629	603	-	-	-	-	-	-	-
Stage 2	504	602	-	719	669	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Ctrl Dly, s/v	16.15	15.02	0.08	0.06
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	15	-	-	339	361	14	-	-
HCM Lane V/C Ratio	0.004	-	-	0.047	0.003	0.002	-	-
HCM Ctrl Dly (s/v)	9.2	0	-	16.2	15	8.1	0	-
HCM Lane LOS	A	A	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Traffic Volume (vph)	146	238	1	6	211	182	2	12	6	161	25	70
Future Volume (vph)	146	238	1	6	211	182	2	12	6	161	25	70
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Hourly flow rate (vph)	155	253	1	6	224	194	2	13	6	171	27	74

Direction, Lane #	EB 1	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total (vph)	409	6	418	15	6	198	74
Volume Left (vph)	155	6	0	2	0	171	0
Volume Right (vph)	1	0	194	0	6	0	74
Hadj (s)	0.12	0.50	-0.28	0.07	-0.41	0.47	-0.68
Departure Headway (s)	6.2	6.6	5.8	7.6	7.2	7.3	6.2
Degree Utilization, x	0.71	0.01	0.67	0.03	0.01	0.40	0.13
Capacity (veh/h)	564	525	596	408	430	457	538
Control Delay (s/veh)	22.7	8.5	18.7	9.7	9.0	14.0	8.9
Approach Delay (s/veh)	22.7	18.6		9.5		12.6	
Approach LOS	C	C		A		B	

Intersection Summary				
Delay	18.5			
Level of Service	C			
Intersection Capacity Utilization	69.8%	ICU Level of Service		C
Analysis Period (min)	15			

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	992	3	0	1206	0	1
Future Volume (Veh/h)	992	3	0	1206	0	1
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1078	3	0	1311	0	1
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage veh)						
Upstream signal (ft)				515		
pX, platoon unblocked					0.83	
vC, conflicting volume			1081		1735	541
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1081		1481	541
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	100
cM capacity (veh/h)			653		99	491

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	NB 1
Volume Total	719	362	656	656	1
Volume Left	0	0	0	0	0
Volume Right	0	3	0	0	1
cSH	1700	1700	1700	1700	491
Volume to Capacity	0.42	0.21	0.39	0.39	0.00*
Queue Length 95th (ft)	0	0	0	0	0
Control Delay (s/veh)	0.0	0.0	0.0	0.0	12.3
Lane LOS					B
Approach Delay (s/veh)	0.0		0.0		12.3
Approach LOS					B

Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	37.5%	ICU Level of Service	A
Analysis Period (min)	15		

* Value less than 0.01.

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	992	3	0	1206	0	1
Future Vol, veh/h	992	3	0	1206	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	0	0	3	0	0
Mvmt Flow	1078	3	0	1311	0	1

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	-	-	-	541
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	-	-	0	-	0	491
Stage 1	-	-	0	-	0	-
Stage 2	-	-	0	-	0	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	-	-	-	491
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Ctrl Dly, s/v	0	0	12.35
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBT
Capacity (veh/h)	491	-	-	-
HCM Lane V/C Ratio	0.002	-	-	-
HCM Ctrl Dly (s/v)	12.4	-	-	-
HCM Lane LOS	B	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-

APPENDIX H
ITE Excerpts

Land Use: 157
High-Cube Cold Storage Warehouse

Description

A high-cube warehouse (HCW) is a building that typically has at least 200,000 gross square feet of floor area, has a ceiling height of 24 feet or more, and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. A typical HCW has a high level of on-site automation and logistics management. The automation and logistics enable highly-efficient processing of goods through the HCW. A high-cube warehouse can be free-standing or located in an industrial park.

A high-cube cold store warehouse has substantial temperature-controlled environments for frozen food and other perishable products.

A high-cube warehouse may contain a mezzanine. In a HCW setting, a mezzanine is a free-standing, semi-permanent structure that is commonly supported by structural steel columns and that is lined with racks or shelves. The gross floor area (GFA) values for the study sites in the database for this land use do NOT include the floor area of the mezzanine. The GFA values represent only the permanent ground-floor square footage.

The amount of office/employee welfare space that is provided within a HCW can be highly variable but is typically an insignificant portion of the overall building square footage. Within the trip generation database, common values are between 3,000 and 5,000 square feet for a Cold Storage HCW and between 5,000 and 10,000 square feet for Transload, Fulfillment Center, and Parcel Hub HCW (all of which are less than one percent of total GFA for a site). Therefore, for the trip generation data plots, any office space that is part of the normal operation of the warehouse is included in the total GFA.

Warehousing (Land Use 150), high-cube transload and short-term storage warehouse (Land Use 154), high-cube fulfillment center warehouse (Land Use 155), and high-cube parcel hub warehouse (Land Use 156) are related land uses.

Additional Data

The High-Cube Warehouse/Distribution Center-related land uses underwent specialized consideration through a commissioned study titled “High-Cube Warehouse Vehicle Trip Generation Analysis,” published in October 2016. The results of this study are posted on the ITE website at http://library.ite.org/pub/a3e6679a-e3a8-bf38-7f29-2961becdd498.

The sites were surveyed in the 2000s and the 2010s in California.

Source Numbers

619, 941, 942, 943

High-Cube Cold Storage Warehouse
(157)

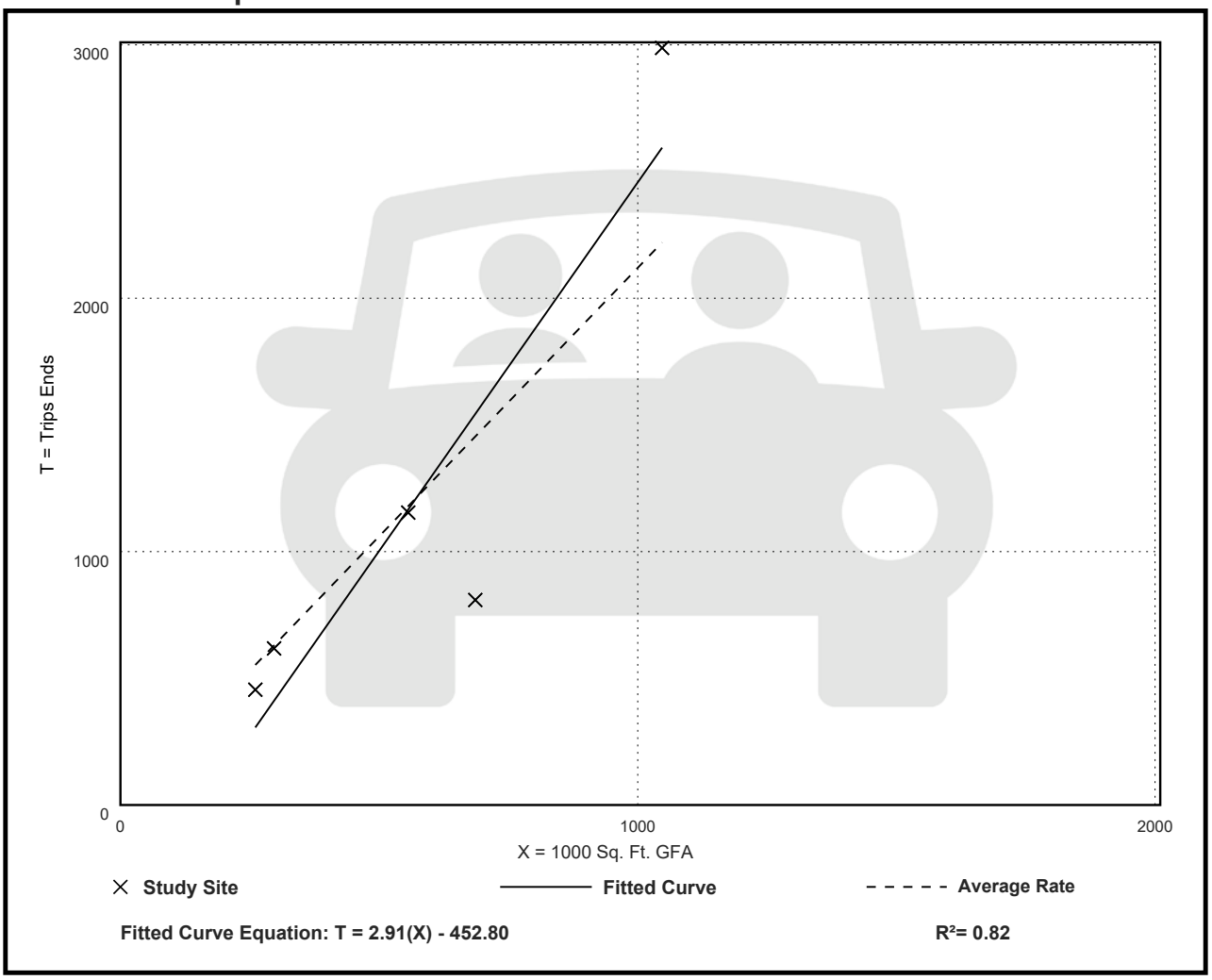
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 5
Avg. 1000 Sq. Ft. GFA: 569
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.12	1.18 - 2.85	0.73

Data Plot and Equation



Fitted Curve Equation: T = 2.91(X) - 452.80

R^2= 0.82

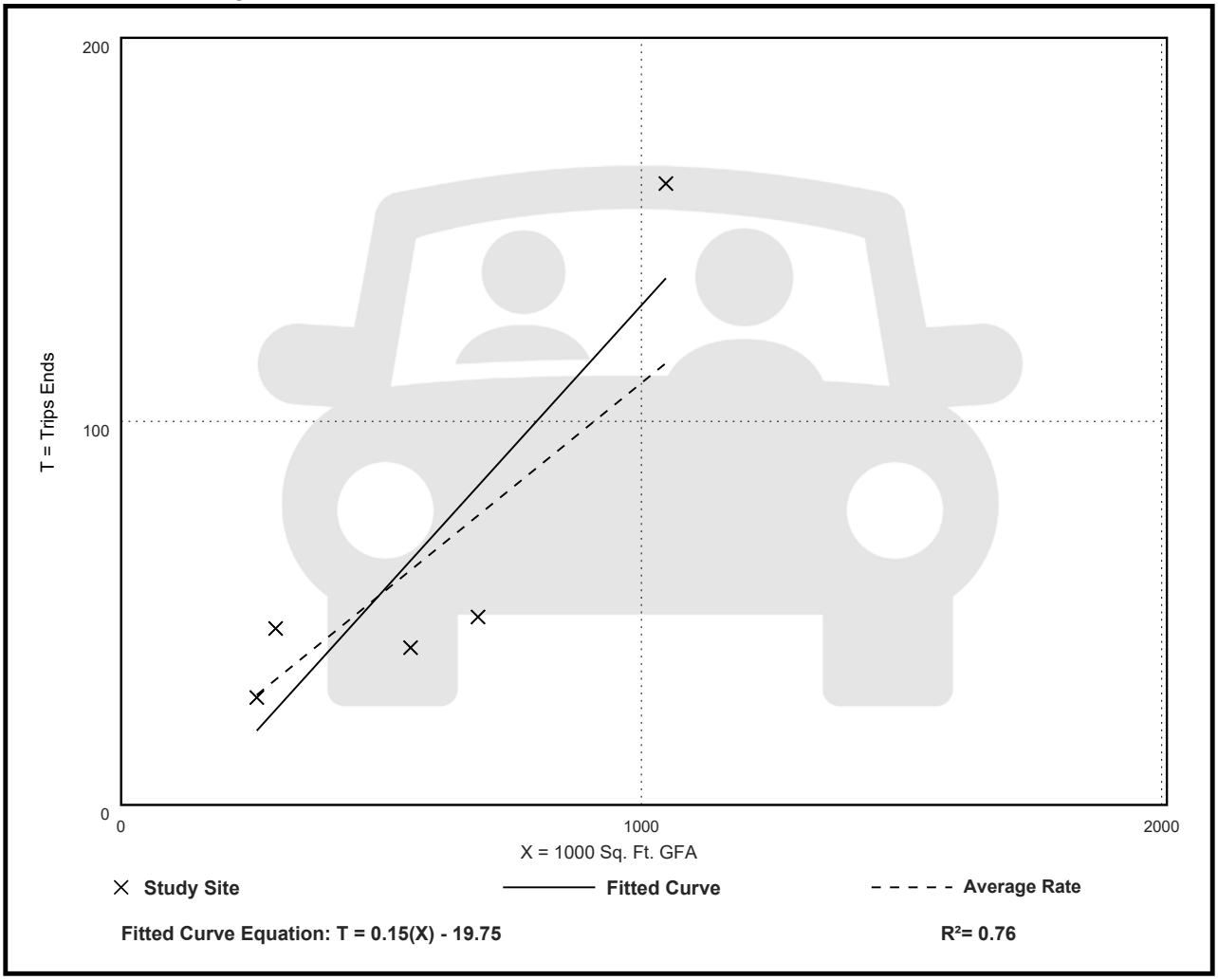
High-Cube Cold Storage Warehouse
(157)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 5
Avg. 1000 Sq. Ft. GFA: 569
Directional Distribution: Not Available

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.11	0.07 - 0.15	0.04

Data Plot and Equation



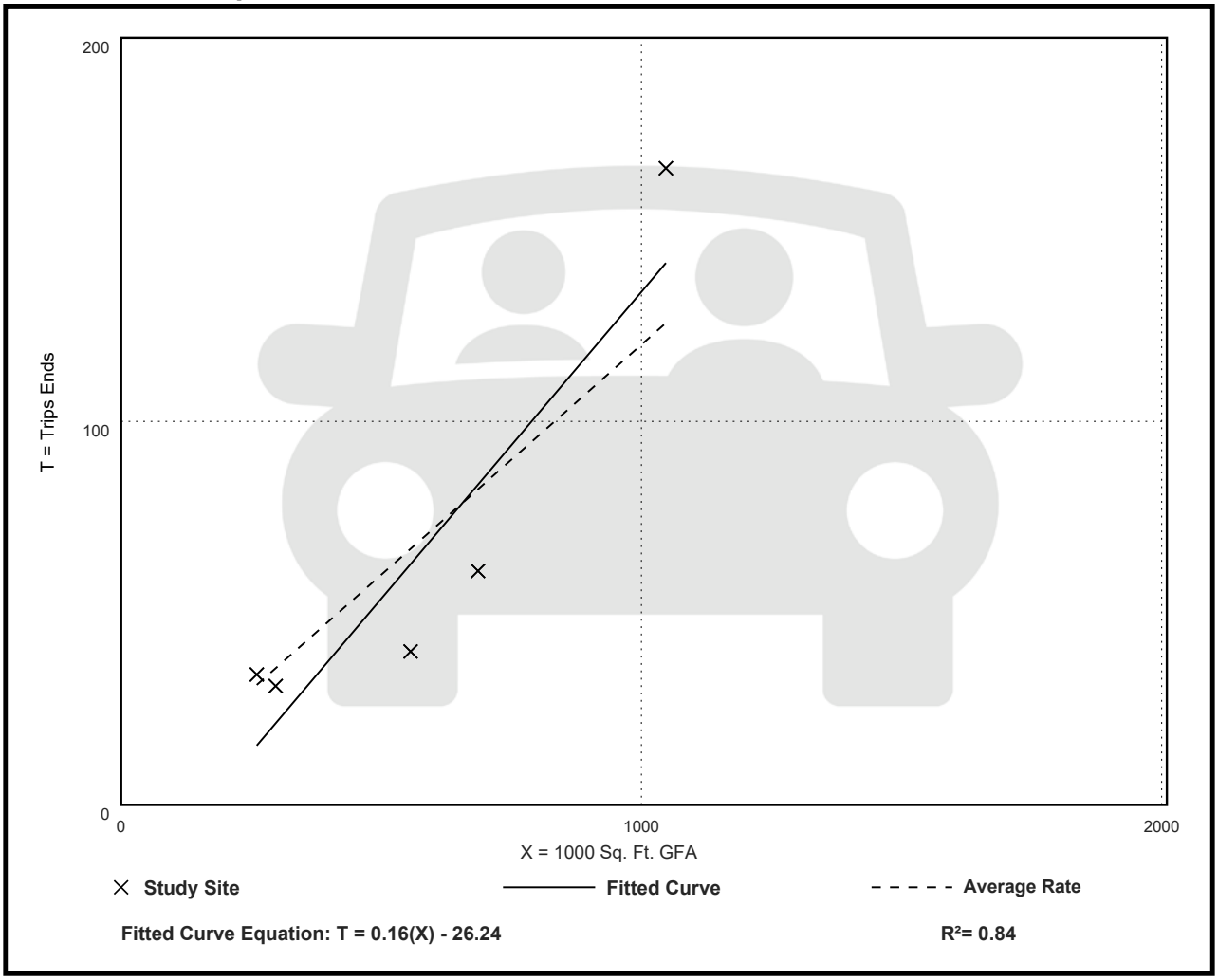
High-Cube Cold Storage Warehouse
(157)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 5
Avg. 1000 Sq. Ft. GFA: 569
Directional Distribution: Not Available

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.12	0.07 - 0.16	0.04

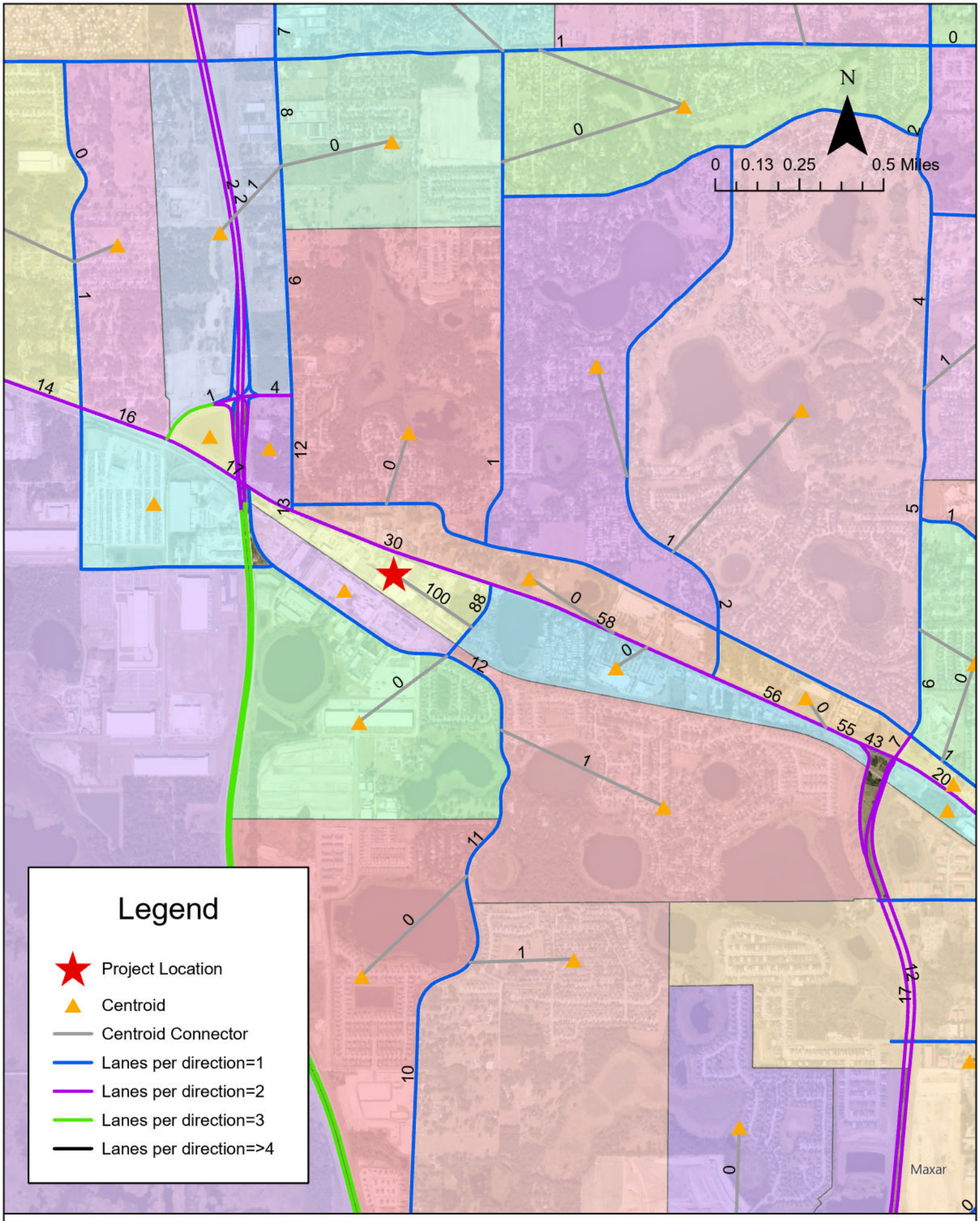
Data Plot and Equation



Fitted Curve Equation: T = 0.16(X) - 26.24

R^2= 0.84

APPENDIX I
CFRPMv7 Outputs



Trip Distribution - Apopka Cold Storage
CFRPMv7 - 2026 - March 2025

APPENDIX J
NCHRP Reports

Intersection #3 - Lake View & Mayflower / Project Driveway
AM Peak Hour

Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

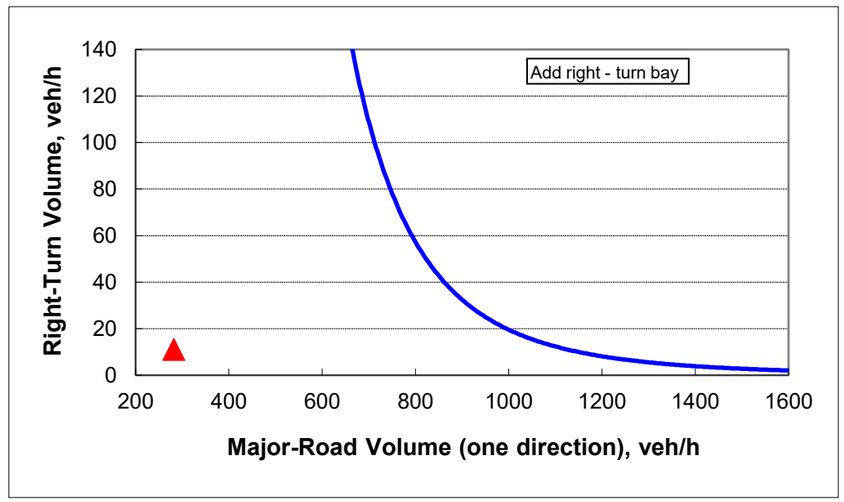
INPUT

Roadway geometry:	2-lane roadway

Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	282
Right-turn volume, veh/h:	11

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	8713
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	



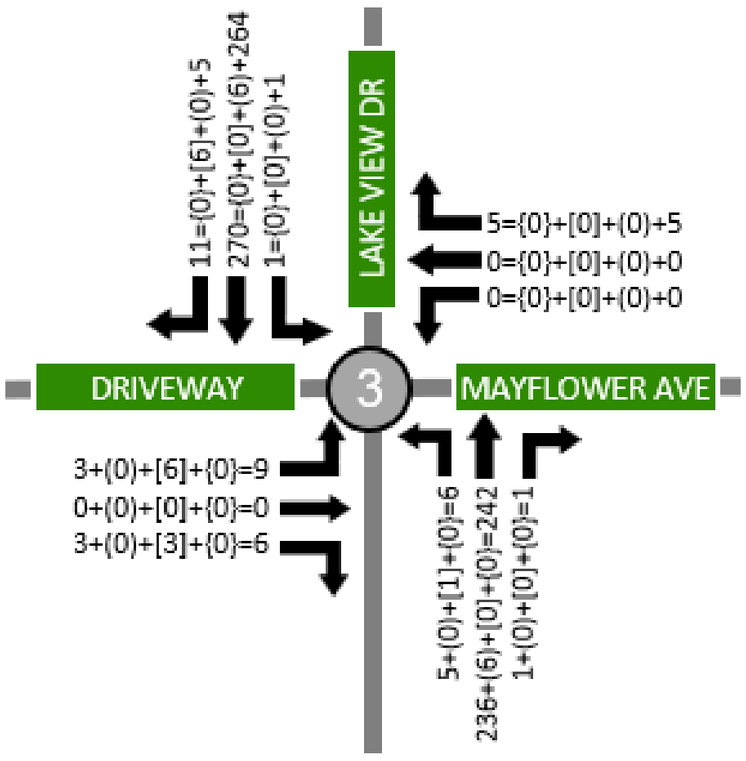


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

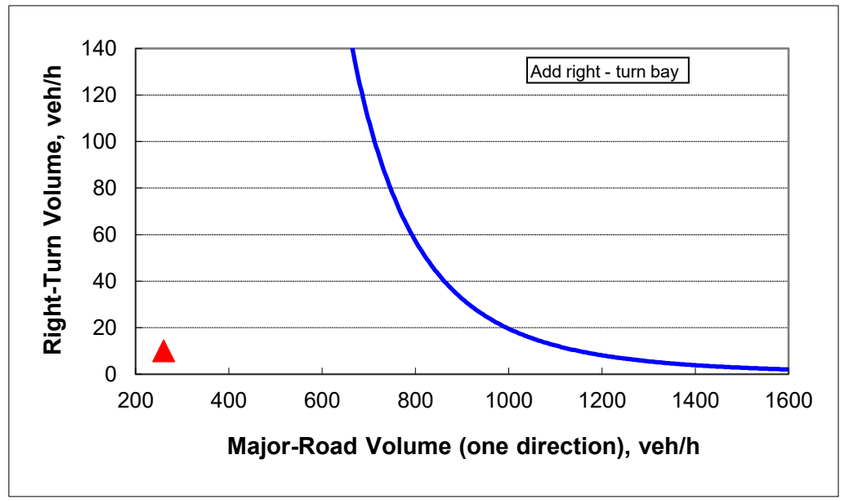
INPUT

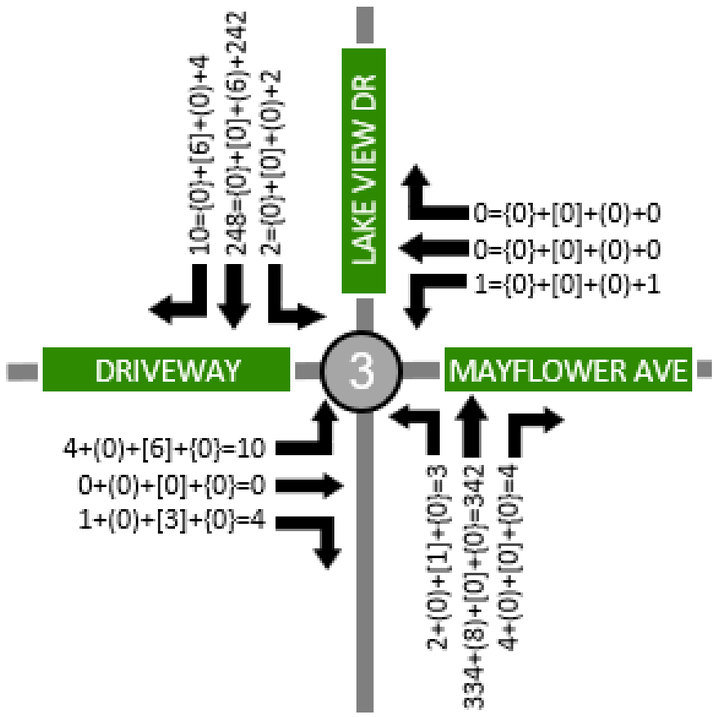
Roadway geometry:	2-lane roadway

Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	260
Right-turn volume, veh/h:	10

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	12887
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	





Intersection #3 - Lake View & Mayflower / Project Driveway

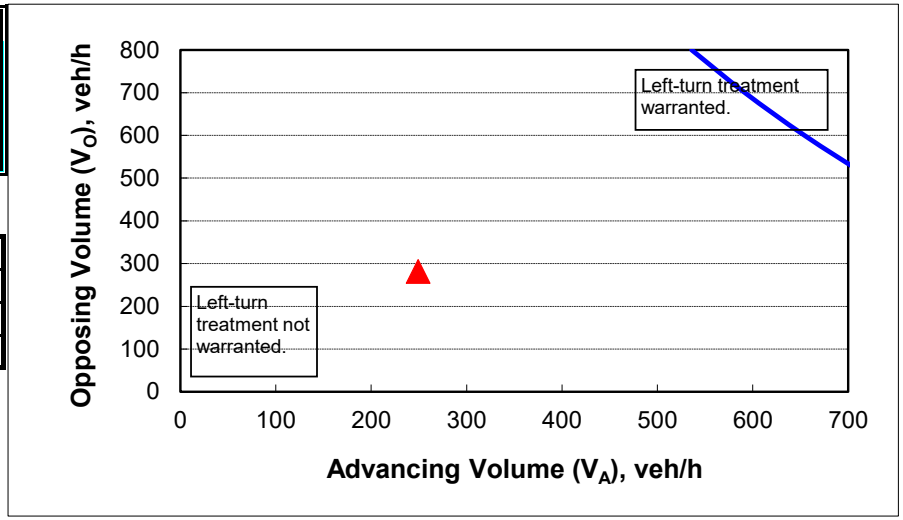
AM Peak Hour

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.

2-lane roadway (English)

INPUT

Variable	Value
85th percentile speed, mph:	30
Percent of left-turns in advancing volume (V_A), %:	2%
Advancing volume (V_A), veh/h:	249
Opposing volume (V_O), veh/h:	282

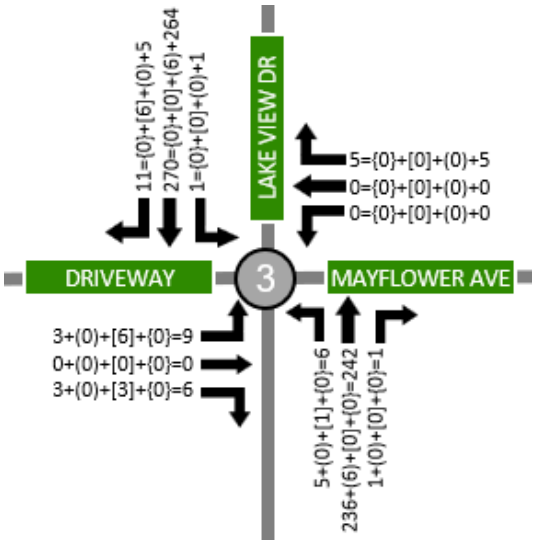


OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	914
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9



Intersection #3 - Lake View & Mayflower / Project Driveway

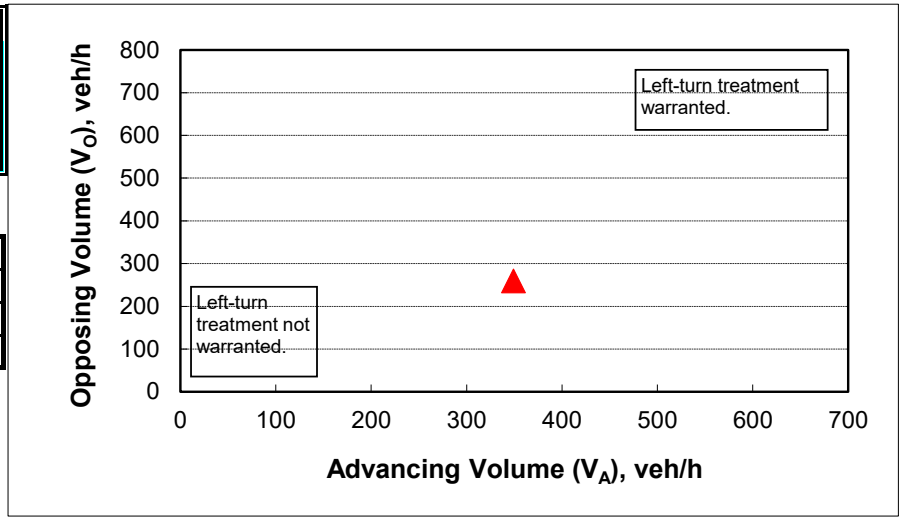
PM Peak Hour

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.

2-lane roadway (English)

INPUT

Variable	Value
85th percentile speed, mph:	30
Percent of left-turns in advancing volume (V_A), %:	1%
Advancing volume (V_A), veh/h:	349
Opposing volume (V_O), veh/h:	260



OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	1555
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

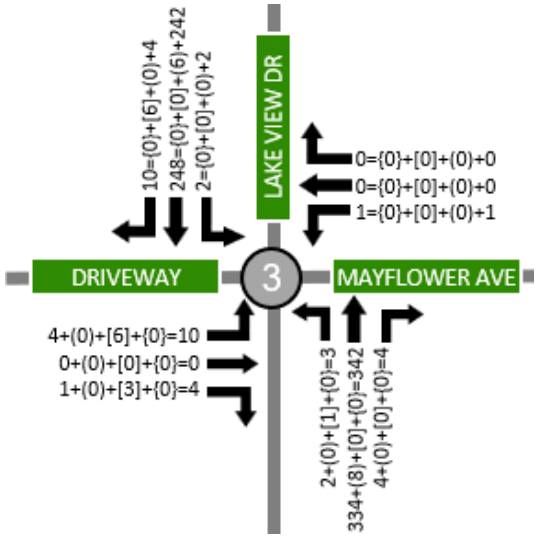


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

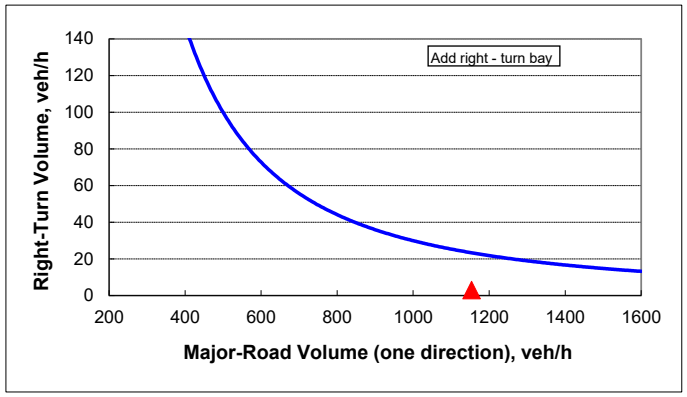
INPUT

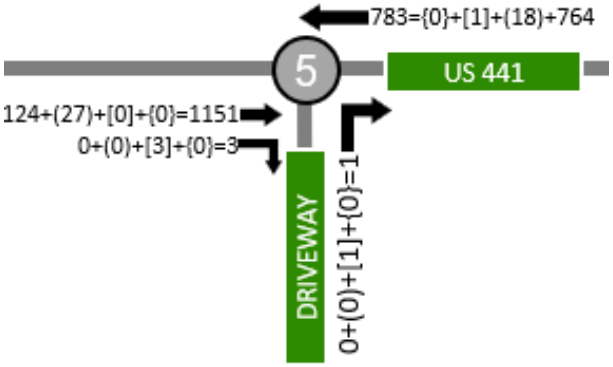
Roadway geometry:	4-lane roadway

Variable	Value
Major-road speed, mph:	45
Major-road volume (one direction), veh/h:	1154
Right-turn volume, veh/h:	3

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	23
Guidance for determining the need for a major-road right-turn bay for a 4-lane roadway:	
Do NOT add right-turn bay.	





APPENDIX K
Apopka CMS Tables

City of Apopka
2025 CMS Tables
Count Stations and Roadway Segments

Class	Roadway	Segment	Source	2022 Station	2025 Station	Lns	LOS Std	Speed Limit	Location	
									Lat	Long
Min Coll	10th St	Alabama Ave to Sheeler Ave	CITY	411	411	2L	E	30	28.665780°	-81.495760°
Min Coll	13th St	Ocoee-Apopka Rd to Park Ave	CITY	840	840	2L	E	25	28.662029°	-81.514872°
Min Coll	13th St	Park Ave to Apopka Blvd	CITY	841	841	2L	E	25	28.662083°	-81.500375°
Min Coll	2nd St (Monroe Ave)	Central Ave to Park Ave	CITY	401	401	2L	D	30	28.675534°	-81.511075°
Min Coll	5th St	Park Ave to Highland Ave	CITY	403	403	2L	D	30	28.671882°	-81.507758°
Min Coll	6th St	Park Ave to Alabama Ave	CITY	650	650	2L	D	30	28.670699°	-81.506454°
Min Coll	6th St	Alabama Ave to US 441	CITY	410	410	2L	D	30	28.670730°	-81.497702°
Min Coll	8th St	Park Ave to Highland Ave	CITY	404	404	2L	D	30	28.668232°	-81.507051°
Min Coll	9th St	Central Ave to Park Ave	CITY	333	333	2L	E	30	28.667006°	-81.510471°
Min Coll	Alabama Ave	Monroe Ave to US 441	CITY	409	409	2L	E	25	28.674095°	-81.501830°
Min Coll	Appy Ln	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	971	971	2L	E	35	28.742714°	-81.550574°
Min Coll	Binion Rd/Orange Ave	Lakeview Dr to US 441	COUNTY	554	404*	2L	E	40	28.688916°	-81.554052°
Min Coll	Binion Rd/Orange Ave	Boy Scout Rd to Lakeview Dr	COUNTY	553	(404, 327)*	2L	E	40	28.670248°	-81.550394°
Min Coll	Binion Rd/Orange Ave	Ocoee-Apopka Rd to Harmon Rd	COUNTY	28	28*	2L	E	55	28.635266°	-81.550070°
Min Coll	Binion Rd/Orange Ave	Harmon Rd to Boy Scout Rd	CITY	673	673	2L	E	55	28.657139°	-81.550721°
Min Coll	Boy Scout Rd	Binion Rd to Ocoee-Apopka Rd	CITY	556	556	2L	E	45	28.661952°	-81.538743°
Min Coll	Bradshaw Rd	US 441 to Ocoee-Apopka Rd	CITY	557	557	2L	E	45	28.673357°	-81.521741°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Hiawassee Rd to Overland Rd	COUNTY	33.1	33*	2L	E	35	28.641670°	-81.462885°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	8th St to Sheeler Rd	COUNTY	651	1008*	2L	E	45	28.664812°	-81.497702°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Overland Rd to US 441	CITY	671	671	2L	E	35	28.635611°	-81.454984°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Lakeville Rd to Hiawassee Rd	CITY	658	658	3L	E	40	28.651139°	-81.477106°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Sheeler Rd to Lakeville Rd	COUNTY	653	7033*	2L	E	40	28.654673°	-81.486935°
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	US 441 to 8th St	CITY	670	670	2L	E	45	28.671607°	-81.502026°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Keene Rd to McCormick Rd	COUNTY	565	(32, 7004)*	2L	E	45	28.632718°	-81.498788°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	M. Gladden Blvd to Cleveland St	COUNTY	328.1	328*	2L	E	30	28.665130°	-81.509370°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Votaw Rd to Orange St	COUNTY	426	426*	5L	E	35	28.680900°	-81.509500°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Welch Rd to Sandpiper Rd	COUNTY	21	21*	5L	E	45	28.698500°	-81.509200°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Ponkan Rd to Welch Rd	COUNTY	19	19*	5L	E	45	28.714500°	-81.509000°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	McCormick Rd to Clarcona-Ocoee Rd	CITY	7004	7004	2L	E	45	28.618562°	-81.499335°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Sandpiper Rd to Votaw Rd	CITY	516	516	5L	E	35	28.690042°	-81.509411°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	US 441 to M. Gladden Blvd	CITY	563	563	2L	E	30	28.670468°	-81.509453°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Orange St to US 441	CITY	580	580	5L	E	35	28.675129°	-81.509426°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Cleveland St to Keene Rd	COUNTY	564	7005*	2L	E	45	28.648251°	-81.505598°
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Kelly Park Rd to Ponkan Rd	COUNTY	18.1	18*	4LD	E	45	28.736700°	-81.509000°
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Harmon Rd to Bradshaw Rd	COUNTY	27	27*	2L	E	45	28.664380°	-81.522000°
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Bradshaw Rd to Park Ave	COUNTY	7083	7083*	2L	E	35	28.666410°	-81.519560°
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Alston Bay Blvd to Harmon Rd	COUNTY	559	(27, 29)*	4LD	E	45	28.647932°	-81.538075°
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Keene Rd to Alston Bay Blvd	CITY	29	29	2L	E	45	28.643530°	-81.538850°
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Binion Rd to Keene Rd	CITY	702	702	2L	E	45	28.638486°	-81.540218°
Min Coll	Christiana Ave	Monroe Ave to Votaw Rd	CITY	520	520	2L	E	30	28.680765°	-81.496916°
Min Coll	Cleveland St	Park Ave to Sheeler Rd	CITY	655	655	2L	E	40	28.654755°	-81.500445°
Min Coll	E 5th Street	S Central Ave to Park Avenue	CITY	414	414	2L	D	30	28.671878°	-81.510431°
Min Coll	Edgewood Dr	Monroe Ave to US 441	CITY	408	408	2L	E	30	28.674527°	-81.504032°
Min Coll	Errol Pkwy	Lake Francis Dr to Lake Alden Dr	CITY	508	508	2L	D	25	28.702969°	-81.537385°
Min Coll	Errol Pkwy	Lake Alden Dr to Old Dixie Hwy	CITY	509	509	2L	D	25	28.693377°	-81.539970°
Min Coll	Errol Pkwy	Old Dixie Hwy to US 441	CITY	541	541	2L	D	30	28.687534°	-81.535746°
Min Coll	General Electric Rd	Hermit Smith Rd to Orange Ave	CITY	931	931	2L	E	40	28.690962°	-81.560995°
Min Coll	Golden Gem Rd	Kelly Park Rd to Sadler Rd	CITY	909	909	2L	E	30	28.753260°	-81.576526°
Min Coll	Golden Gem Rd	Sadler Rd to Ponkan Rd	CITY	910	910	2L	E	30	28.742280°	-81.576496°
Min Coll	Greenacre Rd	Piedmont-Wekiwa Rd to Neil Rd	CITY	820	820	2L	E	25	28.655757°	-81.468117°
Min Coll	Haas Rd	Plymouth-Sorrento Rd (CR 437) to Mt Plymouth Rd	CITY	920	920	2L	E	40	28.772011°	-81.538826°
Min Coll	Harmon Rd	Binion Rd to Ocoee-Apopka Rd	CITY	972	972	2L	E	40	28.650962°	-81.544538°
Min Coll	Harmon Road	Ocoee Apopka Road to Marden Road	CITY	975	975	2L	E	40	28.651131°	-81.533072°
Min Coll	Hawthorne Ave	Ocoee-Apopka Rd to 13th St	CITY	561	561	2L	D	30	28.666087°	-81.517743°
Min Coll	Hawthorne Ave	US 441 to Ocoee-Apopka Rd	CITY	562	562	2L	D	30	28.670964°	-81.517774°
Min Coll	Hermit Smith Rd	US 441 to General Electric Rd	CITY	950	950	2L	E	35	28.695695°	-81.566961°
Min Coll	Hermit Smith Rd	Plymouth-Sorrento Rd (CR 437) to US 441	CITY	951	951	2L	E	35	28.705297°	-81.567431°
Min Coll	Hermit Smith Rd	General Electric Rd to US 441	CITY	952	952	2L	E	35	28.688880°	-81.566982°
Min Coll	Highland Ave	US 441 to 6th St	CITY	406	406	2L	E	25	28.671556°	-81.505338°
Min Coll	Highland Ave	Monroe Ave to US 441	CITY	405	405	2L	E	25	28.674632°	-81.505342°
Min Coll	Hogshead Rd	Hermit Smith Rd to Conrad Rd	CITY	973	973	2L	E	30	28.694550°	-81.569089°
Min Coll	Jason Dwelley Pkwy	Kelly Park Rd to Spinfisher Dr	CITY	956	956	2L	E	35	28.755867°	-81.542242°
Min Coll	Jason Dwelley Pkwy	Spinfisher Dr to White Dahlia Dr	CITY	958	958	2L	E	35	28.750786°	-81.542183°
Min Coll	Jason Dwelley Pkwy	White Dahlia Dr to Ponkan Rd	CITY	960	960	2L	E	35	28.743456°	-81.542192°
Min Coll	Keene Rd	Clarcona Rd to Sheeler Rd	COUNTY	7090	7090*	2L	E	45	28.640278°	-81.498606°
Min Coll	Keene Rd	Ocoee-Apopka Rd to Marden Rd	COUNTY	930	8066*	2L	E	45	28.640225°	-81.532039°
Min Coll	Keene Rd	Marden Rd to Clarcona Rd	CITY	568	568	2L	E	45	28.640271°	-81.509992°
Min Coll	Kelly Park Rd	Mt. Plymouth Rd to Rock Springs Rd	COUNTY	12.1	12*	2L	E	40	28.757374°	-81.513500°
Min Coll	Kelly Park Rd	SR 429 to Plymouth-Sorrento Rd (CR 437)	COUNTY	10.1	9*	2L	E	55	28.756804°	-81.561960°
Min Coll	Kelly Park Rd	Jason Dwelley Pkwy to Mt. Plymouth Rd	CITY	12	12	2L	E	40	28.757351°	-81.525135°
Min Coll	Kelly Park Rd	Round Lake Rd to SR 429	CITY	9.1	9.1	2L	E	55	28.756476°	-81.577190°
Min Coll	Kelly Park Rd	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	9	9	2L	E	55	28.757129°	-81.550858°
Min Coll	Kelly Park Road	SR 429 to Plymouth Sorrento Road	CITY	10.1	10.1	2L	E	55	28.756811°	-81.561733°
Min Coll	Kelly Park Road	Round Lake Road to Waypointe Blvd	CITY	9002	9002	2L	E	55	28.756364°	-81.585686°
Min Coll	King St	Peterson Rd to Orange Ave	CITY	585	585	2L	E	35	28.685603°	-81.550456°
Min Coll	Lake Ave/Marvin C Zanders Ave	US 441 to 4th St	CITY	402	402	2L	D	25	28.673413°	-81.513607°
Min Coll	Lake Ave/Marvin C Zanders Ave	Martin St to Orange St	CITY	513	513	2L	D	25	28.684532°	-81.513418°
Min Coll	Lake Ave/Marvin C Zanders Ave	Orange St to US 441	CITY	515	515	2L	D	25	28.675935°	-81.513618°
Min Coll	Lake Cortez Dr	SR 436 to Evelyn Dr	CITY	811	811	2L	E	25	28.673876°	-81.461467°
Min Coll	Lake Doe Blvd	US 441 to Dunn Cove Dr	CITY	1015	1015	2L	E	25	28.684591°	-81.534070°
Min Coll	Lake Francis Dr	Errol Pkwy to Vick Rd	CITY	504	504	2L	D	25	28.710596°	-81.528880°
Min Coll	Lake Francis Dr	Schopke Lester Rd to Errol Pkwy	CITY	505	505	2L	D	25	28.707944°	-81.538704°
Min Coll	Lakeville Rd	Beggs Rd to Clarcona Ocoee Rd	COUNTY	67	67*	2L	E	50	28.618316°	-81.480383°
Min Art	Lakeville Rd	Apopka Blvd to Wildwood St	CITY	657	657	2L	E	50	28.649221°	-81.480456°
Min Coll	Lakeville Rd	Wildwood St to Beggs Rd	COUNTY	30	(30, 31)*	2L	E	50	28.637006°	-81.480452°
Min Coll	Lester Rd	Schopke Lester Rd to Plymouth-Sorrento Rd (CR 437)	CITY	801	801	2L	E	35	28.713191°	-81.551688°
Min Coll	Lester Rd	Vick Rd to Schopke Lester Rd	CITY	506	506	2L	E	35	28.713611°	-81.535033°
Min Coll	Lester Rd	Rock Springs Rd to Vick Rd	CITY	583	583	2L	E	35	28.713597°	-81.524836°
Min Coll	Lust Rd	Binion Rd to Avian Pointe Blvd	CITY	526	526	2L	E	30	28.669164°	-81.551367°
Min Coll	Magee Avenue	US 441 to E 6th Street	CITY	413	413	2L	E	30	28.671358°	-81.500556°
Min Coll	Magee Avenue	Monroe Ave to US 441	CITY	412	412	2L	E	30	28.673639°	-81.500594°
Min Coll	Marden Rd	SR 414 to Keene Rd	CITY	569	569	2L	E	35	28.645976°	-81.525875°
Min Coll	Marden Rd	Marden Ridge Lp to SR 414	CITY	560	560	2L	E	35	28.653762°	-81.525762°
Min Coll	Marden Rd	Ocoee-Apopka Rd to Marden Ridge Lp	CITY	555	555	2L	E	35	28.659432°	-81.525874°
Min Coll	Marshall Lake Rd	SR 451 to Bradshaw Rd	CITY	584	584	2L	E	35	28.676753°	-81.523869°
Min Coll	Martin St	Park Ave to Lake Ave	CITY	519	519	2L	E	25	28.691231°	-81.510930°
Min Coll	Martin St	Maine Ave to Vick Rd	CITY	830	830	2L	E	25	28.691524°	-81.522007°
Min Coll	Midland Ave	US 441 to 6th St	CITY	407	407	2L	E	25	28.671750°	-81.504194°
Min Coll	Monroe Ave	Park Ave to Alabama Ave	CITY	603	603	2L	D	25	28.675544°	-81.505535°
Min Coll	Monroe Ave	Alabama Ave to Sheeler Rd	CITY	604	604	2L	D	25	28.674932°	-81.497225°
Min Coll	Mt. Plymouth Rd	Kelly Park Rd to Haas Rd	COUNTY	17	17*	2L	E	45	28.763460°	-81.520360°
Min Coll	Mt. Plymouth Rd	Haas Rd to Lake County Line	CITY	17.1	17.1	2L	E	45	28.776078°	-81.526318°
Min Coll	North Maine Ave	Martin St to Old Dixie Hwy	CITY	512	512	2L	D	25	28.685063°	-81.520552°
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Vick Rd to Bradshaw Rd	CITY	674	674	2L	E	35	28.681452°	-81.522817°
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Boy Scout Blvd to Errol Pkwy	CITY	510	510	2L	E	35	28.690886°	-81.541588°
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Errol Pkwy to Vick Rd	CITY	511	511	2L	E	35	28.686122°	-81.530771°
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Hawthorne Ave to Park Ave	CITY	514	514	2L	E	25	28.677949°	-81.514544°

City of Apopka
2025 CMS Tables
Count Stations and Roadway Segments

Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Bradshaw Rd to Hawthorne Ave	CITY	518	518	2L	E	25	28.679122°	-81.519422°
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Plymouth-Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	582	582	2L	E	35	28.693738°	-81.551315°
Min Coll	Ondich Rd	Effie Dr to Plymouth-Sorrento Rd (CR 437)	CITY	817	817	2L	E	30	28.771310°	-81.563610°
Min Coll	Ondich Rd	Round Lake Rd to Effie Dr	CITY	901	901	2L	E	30	28.771093°	-81.576296°
Min Coll	Overland Rd	Apopka Rd to Beggs Rd	CITY	672	672	2L	E	45	28.631368°	-81.459826°
Min Coll	Peterson Rd	Grand Avian Pkwy to King St	CITY	586	586	2L	E	35	28.631368°	-81.459826°
Min Art	Plymouth-Sorrento Rd	Appy Ln to Ponkan Rd	COUNTY	11	(11, 8164)*	2L	E	55	28.728940°	-81.559700°
Min Art	Plymouth-Sorrento Rd	County Line to Kelly Park Rd	COUNTY	14	14*	2L	E	55	28.758600°	-81.559800°
Min Art	Plymouth-Sorrento Rd	Lester Rd/Yothers Rd to SR 429 Connector Rd	CITY	542	542	2L	E	45	28.711013°	-81.557428°
Min Art	Plymouth-Sorrento Rd	SR 429 Connector Rd to US 441	CITY	543	543	2L	E	45	28.696130°	-81.556646°
Min Art	Plymouth-Sorrento Rd	Kelly Park Rd to Appy Ln	CITY	544	544	2L	E	55	28.752387°	-81.559812°
Min Art	Plymouth-Sorrento Rd	Ponkan Rd to Lester Rd/Yothers Rd	COUNTY	10	10*	2L	E	55	28.726200°	-81.558000°
Min Coll	Ponkan Rd	Plymouth-Sorrento Rd (CR 437) to Vick Rd	COUNTY	8115	(8115, 326)*	2L	E	45	28.728180°	-81.542870°
Min Coll	Ponkan Rd	Round Lake Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	13	(13, 14)*	2L	E	35	28.727500°	-81.560200°
Min Coll	Ponkan Rd	Vick Rd to Rock Springs Rd	COUNTY	326	326*	2L	E	45	28.728200°	-81.511400°
Min Coll	Rock Ridge Blvd	Rock Springs Rd to Haddington Ct	CITY	540	540	2L	E	30	28.738984°	-81.510805°
Min Coll	Roger Williams Rd	US 441 to SR 436	CITY	613	613	2L	E	30	28.668768°	-81.484694°
Min Coll	Rogers Rd	Lester Rd to Gray Stone	CITY	976	976	2L	E	30	28.715044°	-81.542323°
Min Coll	Round Lake Rd	Sadler Ave to Kelly Park Rd	COUNTY	8	8*	2L	E	55	28.755400°	-81.593200°
Min Coll	Round Lake Rd	Ponkan Rd to Sadler Ave	COUNTY	8067	(8, 8067)*	2L	E	50	28.737170°	-81.593040°
Min Coll	Round Lake Rd	Ondich Rd to Lake County Line	COUNTY	8178	6*	2L	E	50	28.757100°	-81.593200°
Min Coll	Round Lake Rd	Kelly Park Rd to Ondich Rd	COUNTY	6	6*	2L	E	55	28.757100°	-81.593200°
Min Coll	SR 429 Connector	US 441 to Plymouth-Sorrento Rd (CR 437)	CITY	980	980	4LD	E	35	28.650791°	-81.491611°
Min Coll	SR 429 Connector Road	US 441 to Plymouth Sorrento Road	CITY	3	3	4LD	E	35	28.697978°	-81.560531°
Maj Art	SR 436 (Semoran Blvd)	Thompson Rd to Roger Williams Rd	CITY	608	608	8LD	D	45	28.673045°	-81.486683°
Maj Art	SR 436 (Semoran Blvd)	US 441 to Sheeler Rd	FDOT	607	295	8LD	D	45	28.673035°	-81.494209°
Maj Art	SR 436 (Semoran Blvd)	Sheeler Rd to Thompson Rd	FDOT	620	295	8LD	D	45	28.673035°	-81.490389°
Maj Art	SR 436 (Semoran Blvd)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	621	295*	8LD	D	45	28.673020°	-81.474620°
Maj Art	SR 436 (Semoran Blvd)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	622	5*	6LD	D	45	28.672880°	-81.463570°
Min Coll	Sandpiper Rd	Ustler Rd to Thompson Rd	CITY	601	601	2L	E	40	28.694793°	-81.494719°
Min Coll	Sandpiper Rd	Park Ave to Ustler Rd	CITY	600	600	2L	E	40	28.694828°	-81.505093°
Min Coll	Schopke-Lester Rd	Lester Rd to Old Dixie Hwy	CITY	507	507	2L	E	35	28.701846°	-81.546392°
Min Coll	Sheeler Oaks Dr	Sheeler Rd to Saddleback Ridge	CITY	701	701	2L	E	45	28.650791°	-81.491611°
Min Art	Sheeler Rd	Cleveland St to Keene Rd	CITY	656	656	2L	E	45	28.648875°	-81.492849°
Min Art	Sheeler Rd	US 441 to Apopka Blvd	COUNTY	7006	7006*	2L	E	45	28.665300°	-81.492850°
Min Art	Sheeler Rd	SR 436 to US 441	CITY	605	605	3L	E	35	28.671674°	-81.492844°
Min Art	Sheeler Rd	Apopka Blvd to Cleveland St	COUNTY	7007	7007*	2L	E	45	28.655400°	-81.492900°
Min Coll	Summit St	Rock Springs Rd to Lake Ave	CITY	521	521	2L	E	30	28.687609°	-81.511615°
Min Coll	Tanglewild St	Rock Springs Rd to Ulster Rd	CITY	611	611	2L	E	30	28.691244°	-81.507973°
Min Coll	Thompson Rd	Votaw Rd to SR 436	COUNTY	24	24*	2L	E	35	28.675000°	-81.488700°
Min Coll	Thompson Rd	Welch Rd to Votaw Rd	COUNTY	429	429*	2L	E	45	28.687600°	-81.488600°
Maj Art	US 441 (Orange Blossom Tr)	Bradshaw Rd to Hawthorne Ave	CITY	552	552	5L	D	45	28.677953°	-81.519496°
Maj Art	US 441 (Orange Blossom Tr)	Boy Scout Blvd to Errol Pkwy	COUNTY	82.1	82*	4LD	D	45	28.689110°	-81.543330°
Maj Art	US 441 (Orange Blossom Tr)	SR 436 to Sheeler Rd	CITY	661	661	4LD	D	45	28.670839°	-81.493902°
Maj Art	US 441 (Orange Blossom Tr)	Church Dr/Yothers Rd to SR 429 Connector Rd	CITY	530	530	4LD	D	55	28.699877°	-81.573506°
Maj Art	US 441 (Orange Blossom Tr)	Highland Ave to Alabama Ave	CITY	609	609	5L	D	35	28.673094°	-81.503468°
Maj Art	US 441 (Orange Blossom Tr)	Ponkan Rd to Church Dr/Yothers Rd	COUNTY	2.1	2*	4LD	D	55	28.725520°	-81.599810°
Maj Art	US 441 (Orange Blossom Tr)	SR 429 Connector Rd to Plymouth Sorrento Rd (CR 437)	FDOT	940	2, 3	4LD	D	45	28.695148°	-81.559981°
Maj Art	US 441 (Orange Blossom Tr)	SR 451 to Bradshaw Rd	CITY	531	531	4LD	D	45	28.680323°	-81.522827°
Maj Art	US 441 (Orange Blossom Tr)	Errol Pkwy to SR 451	FDOT	551	82*	4LD	D	45	28.685048°	-81.532719°
Maj Art	US 441 (Orange Blossom Tr)	Central Ave to Park Ave	FDOT	5099	5099*	5L	D	35	28.673113°	-81.510488°
Maj Art	US 441 (Orange Blossom Tr)	Hawthorne Ave to Central Ave	FDOT	287	5099*	5L	D	35	28.675776°	-81.516276°
Maj Art	US 441 (Orange Blossom Tr)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	33	33*	4LD	D	55	28.644516°	-81.459745°
Maj Art	US 441 (Orange Blossom Tr)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	660	5096*	4LD	D	55	28.657240°	-81.473680°
Maj Art	US 441 (Orange Blossom Tr)	Plymouth Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	550	550	4LD	D	45	28.691622°	-81.551488°
Maj Art	US 441 (Orange Blossom Tr)	Alabama Ave to SR 436	FDOT	5096	5098*	4LD	D	35	28.673139°	-81.499675°
Maj Art	US 441 (Orange Blossom Tr)	Park Ave to Highland Ave	COUNTY	5098	5098*	5L	D	35	28.673114°	-81.508021°
Maj Art	US 441 (Orange Blossom Tr)	Sheeler Rd to Roger Williams Rd	COUNTY	7075	7075*	4LD	D	45	28.667460°	-81.488020°
Min Coll	Ustler Rd	Welch Rd to Sandpiper Rd	CITY	610	610	2L	E	30	28.698481°	-81.500913°
Min Coll	Ustler Rd	Sandpiper Rd to Tanglewild St	CITY	612	612	2L	E	30	28.692569°	-81.500943°
Min Coll	Vick Rd	Martin St to Welch Rd	CITY	502	502	2LD	E	35	28.701483°	-81.525636°
Min Coll	Vick Rd	Old Dixie Hwy to Ashworth Overlook Dr	COUNTY	8150	8150*	4LD	E	35	28.690322°	-81.525853°
Min Coll	Vick Rd	Lester Rd to Ponkan Rd	COUNTY	8151	8151*	2L	E	35	28.719295°	-81.525531°
Min Coll	Vick Rd	Welch Rd to Lake Francis Dr	CITY	503	503	2L	E	35	28.707993°	-81.525826°
Min Coll	Vick Rd	Ashworth Overlook Dr to Martin St	CITY	532	532	2LD	E	35	28.690322°	-81.525853°
Min Coll	Vick Rd	Lake Francis Dr to Lester Rd	CITY	533	533	2L	E	35	28.712257°	-81.525497°
Min Coll	Vick Rd	US 441 to Old Dixie Hwy	CITY	525	525	4LD	E	35	28.683391°	-81.526647°
Min Coll	Vick Road	Ponkan Road to Lester Road	CITY	534	534	2L	E	35	28.721450°	-81.525714°
Min Coll	Votaw Rd	Thompson Rd to Wekiva Springs Rd	CITY	627	627	2L	E	45	28.683800°	-81.474837°
Min Coll	Votaw Rd	Christiana Ave to Thompson Rd	CITY	626	626	2L	E	45	28.683874°	-81.493854°
Min Coll	Votaw Rd	Park Ave to Christiana Ave	CITY	625	625	2L	E	45	28.683904°	-81.501126°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Piedmont Lakes Blvd to US 441	CITY	606	606	5L	E	45	28.660010°	-81.470015°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Welch Rd to Votaw Rd	COUNTY	799	(799, 798)*	3L	E	45	28.705750°	-81.467700°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Votaw Rd to SR 436	COUNTY	25	25*	5L	E	45	28.680720°	-81.468170°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 436 to Piedmont Lakes Blvd	COUNTY	330	330*	5L	E	45	28.668800°	-81.467900°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	US 441 to CR 424 (Apopka Blvd)	COUNTY	331	331*	4LD	E	45	28.649848°	-81.470854°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	CR 424 (Apopka Blvd) to SR 414	COUNTY	222	7115*	4LD	E	45	28.639026°	-81.474743°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Beggs Rd to Clarcona-Ocoee Rd	COUNTY	65	65*	4LD	E	45	28.619543°	-81.476222°
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 414 to Beggs Rd	CITY	223	223	4LD	E	45	28.629558°	-81.476452°
Min Art	Welch Rd	Ustler Road to Thompson Rd	COUNTY	7049	7049*	2L	E	45	28.705980°	-81.498900°
Min Art	Welch Rd	Vick Rd to Rock Springs Rd	COUNTY	501	2017*	2L	E	35	28.705990°	-81.515240°
Min Art	Welch Rd	Thompson Rd to Wekiva Springs Rd	COUNTY	22	7049*	2L	E	45	28.705670°	-81.486220°
Min Art	Welch Rd	Rock Springs Rd to Ustler Road	CITY	624	624	3L	E	45	28.675534°	-81.511075°
Min Coll	Woodfield Oaks Dr	Arbor Way to Regal St	CITY	700	700	2L	E	25	28.644291°	-81.484661°
Min Coll	Yothers Rd	Hermit Smith Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	8152	8152*	2L	E	35	28.712870°	-81.558440°
Min Coll	Yothers Rd	US 441 to Hermit Smith Rd	CITY	800	800	2L	E	35	28.712693°	-81.574135°

Notes:

(*) - Per *2025 Orange County Traffic Counts Database*

City of Apopka
2025 CMS Tables
Service Volumes

Class	Roadway	Segment	Source	2022 Station	2025 Station	Lns	LOS Std	Speed Limit	Peak Hour Directional Service Volumes					Daily Service Volumes				
									A	B	C	D	E	A	B	C	D	E
Min Coll	10th St	Alabama Ave to Sheeler Ave	CITY	411	411	2L	E	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	13th St	Ocoee-Apopka Rd to Park Ave	CITY	840	840	2L	E	25	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	13th St	Park Ave to Apopka Blvd	CITY	841	841	2L	E	25	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	2nd St (Monroe Ave)	Central Ave to Park Ave	CITY	401	401	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	5th St	Park Ave to Highland Ave	CITY	403	403	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	6th St	Park Ave to Alabama Ave	CITY	650	650	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	6th St	Alabama Ave to US 441	CITY	410	410	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	8th St	Park Ave to Highland Ave	CITY	404	404	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	9th St	Central Ave to Park Ave	CITY	333	333	2L	E	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Alabama Ave	Monroe Ave to US 441	CITY	409	409	2L	E	25	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Appy Ln	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	971	971	2L	E	35	0	0	330	680	720	0	0	6,600	13,320	14,000
Min Coll	Binion Rd/Orange Ave	Lakeview Dr to US 441	COUNTY	554	404*	2L	E	40	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Binion Rd/Orange Ave	Boy Scout Rd to Lakeview Dr	COUNTY	553	(404, 327)*	2L	E	40	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Binion Rd/Orange Ave	Ocoee-Apopka Rd to Harmon Rd	COUNTY	28	28*	2L	E	55	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Binion Rd/Orange Ave	Harmon Rd to Boy Scout Rd	CITY	673	673	2L	E	55	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Boy Scout Rd	Binion Rd to Ocoee-Apopka Rd	CITY	556	556	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Bradshaw Rd	US 441 to Ocoee-Apopka Rd	CITY	557	557	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Hiawassee Rd to Overland Rd	COUNTY	33.1	33*	2L	E	35	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	8th St to Sheeler Rd	COUNTY	651	1008*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Overland Rd to US 441	CITY	671	671	2L	E	35	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Lakeville Rd to Hiawassee Rd	CITY	658	658	3L	E	40	0	0	870	920	920	0	0	17,600	18,600	18,600
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Sheeler Rd to Lakeville Rd	COUNTY	653	7033*	2L	E	40	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	US 441 to 8th St	CITY	670	670	2L	E	45	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Keene Rd to McCormick Rd	COUNTY	565	(32, 7004)*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	M. Gladden Blvd to Cleveland St	COUNTY	328.1	328*	2L	E	30	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Votaw Rd to Orange St	COUNTY	426	426*	5L	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Welch Rd to Sandpiper Rd	COUNTY	21	21*	5L	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Ponkan Rd to Welch Rd	COUNTY	19	19*	5L	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	McCormick Rd to Clarcona-Ocoee Rd	CITY	7004	7004	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Sandpiper Rd to Votaw Rd	CITY	516	516	5L	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	US 441 to M. Gladden Blvd	CITY	563	563	2L	E	30	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Orange St to US 441	CITY	580	580	5L	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Cleveland St to Keene Rd	COUNTY	564	7005*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Kelly Park Rd to Ponkan Rd	COUNTY	18.1	18*	4LD	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Harmon Rd to Bradshaw Rd	COUNTY	27	27*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Bradshaw Rd to Park Ave	COUNTY	7083	7083*	2L	E	35	0	0	370	750	800	0	0	7,300	14,800	15,600
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Alston Bay Blvd to Harmon Rd	COUNTY	559	(27, 29)*	4LD	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Keene Rd to Alston Bay Blvd	CITY	29	29	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Binion Rd to Keene Rd	CITY	702	702	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Christiana Ave	Monroe Ave to Votaw Rd	CITY	520	520	2L	E	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Cleveland St	Park Ave to Sheeler Rd	CITY	655	655	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	E 5th Street	S Central Ave to Park Avenue	CITY	414	414	2L	D	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Edgewood Dr	Monroe Ave to US 441	CITY	408	408	2L	E	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Errol Pkwy	Lake Francis Dr to Lake Alden Dr	CITY	508	508	2L	D	25	0	0	350	710	760	0	0	6,900	13,990	14,700
Min Coll	Errol Pkwy	Lake Alden Dr to Old Dixie Hwy	CITY	509	509	2L	D	25	0	0	330	680	720	0	0	6,600	13,320	14,000
Min Coll	Errol Pkwy	Old Dixie Hwy to US 441	CITY	541	541	2L	D	30	0	0	350	710	840	0	0	6,900	14,000	14,700
Min Coll	General Electric Rd	Hermit Smith Rd to Orange Ave	CITY	931	931	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Golden Gem Rd	Kelly Park Rd to Sadler Rd	CITY	909	909	2L	E	30	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Golden Gem Rd	Sadler Rd to Ponkan Rd	CITY	910	910	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Greenacre Rd	Piedmont-Wekiwa Rd to Neil Rd	CITY	820	820	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Haas Rd	Plymouth-Sorrento Rd (CR 437) to Mt Plymouth Rd	CITY	920	920	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Harmon Rd	Binion Rd to Ocoee-Apopka Rd	CITY	972	972	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Harmon Road	Ocoee Apopka Road to Marden Road	CITY	975	975	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Hawthorne Ave	Ocoee-Apopka Rd to 13th St	CITY	561	561	2L	D	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Hawthorne Ave	US 441 to Ocoee-Apopka Rd	CITY	562	562	2L	D	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Hermit Smith Rd	US 441 to General Electric Rd	CITY	950	950	2L	E	35	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Hermit Smith Rd	Plymouth-Sorrento Rd (CR 437) to US 441	CITY	951	951	2L	E	35	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Hermit Smith Rd	General Electric Rd to US 441	CITY	952	952	2L	E	35	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Highland Ave	US 441 to 6th St	CITY	406	406	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Highland Ave	Monroe Ave to US 441	CITY	405	405	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Hogshead Rd	Hermit Smith Rd to Conrad Rd	CITY	973	973	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Jason Dwelley Pkwy	Kelly Park Rd to Spinfisher Dr	CITY	956	956	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Jason Dwelley Pkwy	Spinfisher Dr to White Dahlia Dr	CITY	958	958	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Jason Dwelley Pkwy	White Dahlia Dr to Ponkan Rd	CITY	960	960	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Keene Rd	Clarcona Rd to Sheeler Rd	COUNTY	7090	7090*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Keene Rd	Ocoee-Apopka Rd to Marden Rd	COUNTY	930	8066*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Keene Rd	Marden Rd to Clarcona Rd	CITY	568	568	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Kelly Park Rd	Mt. Plymouth Rd to Rock Springs Rd	COUNTY	12.1	12*	2L	E	40	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	Kelly Park Rd	SR 429 to Plymouth-Sorrento Rd (CR 437)	COUNTY	10.1	9*	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	Kelly Park Rd	Jason Dwelley Pkwy to Mt. Plymouth Rd	CITY	12	12	2L	E	40	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	Kelly Park Rd	Round Lake Rd to SR 429	CITY	9.1	9.1	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600

Min Coll	Kelly Park Rd	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	9	9	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	Kelly Park Road	SR 429 to Plymouth Sorrento Road	CITY	10.1	10.1	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	Kelly Park Road	Round Lake Road to Waypointe Blvd	CITY	9002	9002	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Coll	King St	Peterson Rd to Orange Ave	CITY	585	585	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Ave/Marvin C Zanders Ave	US 441 to 4th St	CITY	402	402	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Ave/Marvin C Zanders Ave	Martin St to Orange St	CITY	513	513	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Ave/Marvin C Zanders Ave	Orange St to US 441	CITY	515	515	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Cortez Dr	SR 436 to Evelyn Dr	CITY	811	811	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Doe Blvd	US 441 to Dunn Cove Dr	CITY	1015	1015	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Francis Dr	Errol Pkwy to Vick Rd	CITY	504	504	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lake Francis Dr	Schopke Lester Rd to Errol Pkwy	CITY	505	505	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lakeville Rd	Beggs Rd to Clarcona Ocoee Rd	COUNTY	67	67*	2L	E	50	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Art	Lakeville Rd	Apopka Blvd to Wildwood St	CITY	657	657	2L	E	50	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Coll	Lakeville Rd	Wildwood St to Beggs Rd	COUNTY	30	(30, 31)*	2L	E	50	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Lester Rd	Schopke Lester Rd to Plymouth-Sorrento Rd (CR 437)	CITY	801	801	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lester Rd	Vick Rd to Schopke Lester Rd	CITY	506	506	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lester Rd	Rock Springs Rd to Vick Rd	CITY	583	583	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Lust Rd	Binion Rd to Avian Pointe Blvd	CITY	526	526	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Magee Avenue	US 441 to E 6th Street	CITY	413	413	2L	E	30	0	0	240	490	520	0	0	4,700	9,600	10,100
Min Coll	Magee Avenue	Monroe Ave to US 441	CITY	412	412	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Marden Rd	SR 414 to Keene Rd	CITY	569	569	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Marden Rd	Marden Ridge Lp to SR 414	CITY	560	560	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Marden Rd	Ocoee-Apopka Rd to Marden Ridge Lp	CITY	555	555	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Marshall Lake Rd	SR 451 to Bradshaw Rd	CITY	584	584	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Martin St	Park Ave to Lake Ave	CITY	519	519	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Martin St	Maine Ave to Vick Rd	CITY	830	830	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Midland Ave	US 441 to 6th St	CITY	407	407	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Monroe Ave	Park Ave to Alabama Ave	CITY	603	603	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Monroe Ave	Alabama Ave to Sheeler Rd	CITY	604	604	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Mt. Plymouth Rd	Kelly Park Rd to Haas Rd	COUNTY	17	17*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Mt. Plymouth Rd	Haas Rd to Lake County Line	CITY	17.1	17.1	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	North Maine Ave	Martin St to Old Dixie Hwy	CITY	512	512	2L	D	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Vick Rd to Bradshaw Rd	CITY	674	674	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Boy Scout Blvd to Errol Pkwy	CITY	510	510	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Errol Pkwy to Vick Rd	CITY	511	511	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Hawthorne Ave to Park Ave	CITY	514	514	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Bradshaw Rd to Hawthorne Ave	CITY	518	518	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Plymouth-Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	582	582	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Ondich Rd	Effie Dr to Plymouth-Sorrento Rd (CR 437)	CITY	817	817	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Ondich Rd	Round Lake Rd to Effie Dr	CITY	901	901	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Overland Rd	Apopka Rd to Beggs Rd	CITY	672	672	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Peterson Rd	Grand Avian Pkwy to King St	CITY	586	586	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Art	Plymouth-Sorrento Rd	Appy Ln to Ponkan Rd	COUNTY	11	(11, 8164)*	2L	E	55	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	Plymouth-Sorrento Rd	County Line to Kelly Park Rd	COUNTY	14	14*	2L	E	55	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Art	Plymouth-Sorrento Rd	Lester Rd/Yothers Rd to SR 429 Connector Rd	CITY	542	542	2L	E	45	0	0	890	950	950	0	0	18,100	19,000	19,000
Min Art	Plymouth-Sorrento Rd	SR 429 Connector Rd to US 441	CITY	543	543	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	Plymouth-Sorrento Rd	Kelly Park Rd to Appy Ln	CITY	544	544	2L	E	55	0	0	890	950	950	0	0	18,100	19,000	19,000
Min Art	Plymouth-Sorrento Rd	Ponkan Rd to Lester Rd/Yothers Rd	COUNTY	10	10*	2L	E	55	0	0	870	920	920	0	0	16,800	17,700	17,700
Min Coll	Ponkan Rd	Plymouth-Sorrento Rd (CR 437) to Vick Rd	COUNTY	8115	(8113, 8284)*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Ponkan Rd	Round Lake Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	13	(13, 14)*	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Ponkan Rd	Vick Rd to Rock Springs Rd	COUNTY	326	326*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Rock Ridge Blvd	Rock Springs Rd to Haddington Ct	CITY	540	540	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Roger Williams Rd	US 441 to SR 436	CITY	613	613	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Rogers Rd	Lester Rd to Gray Stone	CITY	976	976	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Round Lake Rd	Sadler Ave to Kelly Park Rd	COUNTY	8	8*	2L	E	55	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Round Lake Rd	Ponkan Rd to Sadler Ave	COUNTY	8067	(8, 8067)*	2L	E	50	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Round Lake Rd	Ondich Rd to Lake County Line	COUNTY	8178	6*	2L	E	50	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Round Lake Rd	Kelly Park Rd to Ondich Rd	COUNTY	6	6*	2L	E	55	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	SR 429 Connector	US 441 to Plymouth-Sorrento Rd (CR 437)	CITY	980	980	4LD	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Coll	SR 429 Connector Road	US 441 to Plymouth Sorrento Road	CITY	3	3	4LD	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Maj Art	SR 436 (Semoran Blvd)	Thompson Rd to Roger Williams Rd	CITY	608	608	8LD	D	45	0	0	3,970	4,040	4,040	0	0	78,800	80,100	80,100
Maj Art	SR 436 (Semoran Blvd)	US 441 to Sheeler Rd	FDOT	607	295	8LD	D	45	0	0	3,970	4,040	4,040	0	0	78,800	80,100	80,100
Maj Art	SR 436 (Semoran Blvd)	Sheeler Rd to Thompson Rd	FDOT	620	295	8LD	D	45	0	0	3,970	4,040	4,040	0	0	78,800	80,100	80,100
Maj Art	SR 436 (Semoran Blvd)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	621	295*	8LD	D	45	0	0	3,970	4,040	4,040	0	0	78,800	80,100	80,100
Maj Art	SR 436 (Semoran Blvd)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	622	5*	6LD	D	45	0	0	2,940	3,020	3,020	0	0	58,400	59,900	59,900
Min Coll	Sandpiper Rd	Ustler Rd to Thompson Rd	CITY	601	601	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Sandpiper Rd	Park Ave to Ustler Rd	CITY	600	600	2L	E	40	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Schopke-Lester Rd	Lester Rd to Old Dixie Hwy	CITY	507	507	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Sheeler Oaks Dr	Sheeler Rd to Saddleback Ridge	CITY	701	701	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Art	Sheeler Rd	Cleveland St to Keene Rd	CITY	656	656	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	Sheeler Rd	US 441 to Apopka Blvd	COUNTY	7006	7006*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700
Min Art	Sheeler Rd	SR 436 to US 441	CITY	605	605	3L	E	35	0	0	690	1,550	1,620	0	0	13,800	30,780	32,100
Min Art	Sheeler Rd	Apopka Blvd to Cleveland St	COUNTY	7007	7007*	2L	E	45	0	0	830	880	880	0	0	16,800	17,700	17,700

City of Apopka
2025 CMS Tables
Service Volumes

Min Coll	Summit St	Rock Springs Rd to Lake Ave	CITY	521	521	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Tanglewild St	Rock Springs Rd to Ulster Rd	CITY	611	611	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Thompson Rd	Votaw Rd to SR 436	COUNTY	24	24*	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Thompson Rd	Welch Rd to Votaw Rd	COUNTY	429	429*	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Maj Art	US 441 (Orange Blossom Tr)	Bradshaw Rd to Hawthorne Ave	CITY	552	552	5L	D	45	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Boy Scout Blvd to Errol Pkwy	COUNTY	82.1	82*	4LD	D	45	2,270	2,520	2,600	2,600	2,600	48,300	53,600	55,400	55,400	55,400
Maj Art	US 441 (Orange Blossom Tr)	SR 436 to Sheeler Rd	CITY	661	661	4LD	D	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Maj Art	US 441 (Orange Blossom Tr)	Church Dr/Yothers Rd to SR 429 Connector Rd	CITY	530	530	4LD	D	55	2,370	2,480	2,480	2,480	2,480	47,200	49,500	49,500	49,500	49,500
Maj Art	US 441 (Orange Blossom Tr)	Highland Ave to Alabama Ave	CITY	609	609	5L	D	35	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Ponkan Rd to Church Dr/Yothers Rd	COUNTY	2.1	2*	4LD	D	55	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Maj Art	US 441 (Orange Blossom Tr)	SR 429 Connector Rd to Plymouth Sorrento Rd (CR 437)	FDOT	940	2, 3	4LD	D	45	2,370	2,480	2,480	2,480	2,480	47,200	49,500	49,500	49,500	49,500
Maj Art	US 441 (Orange Blossom Tr)	SR 451 to Bradshaw Rd	CITY	531	531	4LD	D	45	2,270	2,520	2,600	2,600	2,600	48,300	53,600	55,400	55,400	55,400
Maj Art	US 441 (Orange Blossom Tr)	Errol Pkwy to SR 451	FDOT	551	82*	4LD	D	45	2,270	2,520	2,600	2,600	2,600	48,300	53,600	55,400	55,400	55,400
Maj Art	US 441 (Orange Blossom Tr)	Central Ave to Park Ave	FDOT	5099	5099*	5L	D	35	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Hawthorne Ave to Central Ave	FDOT	287	5099*	5L	D	35	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	33	33*	4LD	D	55	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Maj Art	US 441 (Orange Blossom Tr)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	660	5096*	4LD	D	55	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Maj Art	US 441 (Orange Blossom Tr)	Plymouth Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	550	550	4LD	D	45	2,370	2,480	2,480	2,480	2,480	47,200	49,500	49,500	49,500	49,500
Maj Art	US 441 (Orange Blossom Tr)	Alabama Ave to SR 436	FDOT	5096	5098*	4LD	D	35	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Park Ave to Highland Ave	COUNTY	5098	5098*	5L	D	35	1,980	2,160	2,160	2,160	2,160	52,500	57,100	57,100	57,100	57,100
Maj Art	US 441 (Orange Blossom Tr)	Sheeler Rd to Roger Williams Rd	COUNTY	7075	7075*	4LD	D	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Coll	Ustler Rd	Welch Rd to Sandpiper Rd	CITY	610	610	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Ustler Rd	Sandpiper Rd to Tanglewild St	CITY	612	612	2L	E	30	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Vick Rd	Martin St to Welch Rd	CITY	502	502	2LD	E	35	0	0	390	790	840	0	0	7,700	15,500	16,400
Min Coll	Vick Rd	Old Dixie Hwy to Ashworth Overlook Dr	COUNTY	8150	8150*	4LD	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Coll	Vick Rd	Lester Rd to Ponkan Rd	COUNTY	8151	8151*	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Vick Rd	Welch Rd to Lake Francis Dr	CITY	503	503	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Vick Rd	Ashworth Overlook Dr to Martin St	CITY	532	532	2LD	E	35	0	0	390	790	840	0	0	7,700	15,500	16,400
Min Coll	Vick Rd	Lake Francis Dr to Lester Rd	CITY	533	533	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Vick Rd	US 441 to Old Dixie Hwy	CITY	525	525	4LD	E	35	0	0	730	1,630	1,700	0	0	14,500	32,400	33,800
Min Coll	Vick Road	Ponkan Road to Lester Road	CITY	534	534	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Votaw Rd	Thompson Rd to Wekiva Springs Rd	CITY	627	627	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Votaw Rd	Christiana Ave to Thompson Rd	CITY	626	626	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Coll	Votaw Rd	Park Ave to Christiana Ave	CITY	625	625	2L	E	45	0	0	750	790	790	0	0	15,100	15,900	15,900
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Piedmont Lakes Blvd to US 441	CITY	606	606	5L	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Welch Rd to Votaw Rd	COUNTY	799	(799, 798)*	3L	E	45	0	610	930	1,260	1,690	0	12,300	18,900	25,400	34,200
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Votaw Rd to SR 436	COUNTY	25	25*	5L	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 436 to Piedmont Lakes Blvd	COUNTY	330	330*	5L	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	US 441 to CR 424 (Apopka Blvd)	COUNTY	331	331*	4LD	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	CR 424 (Apopka Blvd) to SR 414	COUNTY	222	7115*	4LD	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Beggs Rd to Clarcona-Ocoee Rd	COUNTY	65	65*	4LD	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 414 to Beggs Rd	CITY	223	223	4LD	E	45	0	0	1,910	2,000	2,000	0	0	37,900	39,800	39,800
Min Art	Welch Rd	Ustler Road to Thompson Rd	COUNTY	7049	7049*	2L	E	45	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Art	Welch Rd	Vick Rd to Rock Springs Rd	COUNTY	501	2017*	2L	E	35	0	0	390	790	840	0	0	7,700	15,540	16,400
Min Art	Welch Rd	Thompson Rd to Wekiva Springs Rd	COUNTY	22	7049*	2L	E	45	0	580	890	1,200	1,610	0	11,700	18,000	24,200	32,600
Min Art	Welch Rd	Rock Springs Rd to Ustler Road	CITY	624	624	3L	E	45	0	610	930	1,260	1,690	0	12,300	18,900	25,400	34,200
Min Coll	Woodfield Oaks Dr	Arbor Way to Regal St	CITY	700	700	2L	E	25	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Yothers Rd	Hermit Smith Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	8152	8152*	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000
Min Coll	Yothers Rd	US 441 to Hermit Smith Rd	CITY	800	800	2L	E	35	0	0	330	680	720	0	0	6,600	13,300	14,000

Notes:

(*) - Per *2025 Orange County Traffic Counts Database*

City of Apopka
2025 CMS Tables
Existing (2025) LOS

Class	Roadway	Segment	Source	2022 Station	2025 Station	Lns	LOS Std	Speed Limit	Daily		AM Peak Hour (7-9 am)						PM Peak Hour (4-6 pm)					
									Volume	LOS	NB/EB	SB/WB	Time	K	D	LOS	NB/EB	SB/WB	Time	K	D	LOS
Min Coll	10th St	Alabama Ave to Sheeler Ave	CITY	411	411	2L	E	30	467	C	18	19	07:00	0.08	0.51	C	18	18	16:00	0.08	0.5	C
Min Coll	13th St	Ocoee-Apopka Rd to Park Ave	CITY	840	840	2L	E	25	3,017	C	101	130	08:00	0.08	0.56	C	137	120	17:00	0.09	0.53	C
Min Coll	13th St	Park Ave to Apopka Blvd	CITY	841	841	2L	E	25	3,788	C	150	88	07:00	0.06	0.63	C	129	196	17:00	0.09	0.6	C
Min Coll	2nd St (Monroe Ave)	Central Ave to Park Ave	CITY	401	401	2L	D	30	897	C	31	32	08:00	0.07	0.51	C	40	50	16:00	0.1	0.56	C
Min Coll	5th St	Park Ave to Highland Ave	CITY	403	403	2L	D	30	1,778	C	113	96	07:00	0.12	0.54	C	83	63	17:00	0.08	0.57	C
Min Coll	6th St	Park Ave to Alabama Ave	CITY	650	650	2L	D	30	2,283	C	48	115	07:00	0.07	0.71	C	69	165	16:00	0.1	0.71	C
Min Coll	6th St	Alabama Ave to US 441	CITY	410	410	2L	D	30	1,435	C	50	57	07:00	0.07	0.53	C	57	87	17:00	0.1	0.6	C
Min Coll	8th St	Park Ave to Highland Ave	CITY	404	404	2L	D	30	3,069	C	86	92	07:00	0.06	0.52	C	127	164	16:00	0.09	0.56	C
Min Coll	9th St	Central Ave to Park Ave	CITY	333	333	2L	E	30	3,797	C	134	114	08:00	0.07	0.54	C	181	130	17:00	0.08	0.58	C
Min Coll	Alabama Ave	Monroe Ave to US 441	CITY	409	409	2L	E	25	297	C	9	8	07:00	0.06	0.53	C	20	7	16:00	0.09	0.74	C
Min Coll	Appy Ln	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	971	971	2L	E	35	1,224	C	89	95	08:00	0.15	0.52	C	49	36	17:00	0.07	0.58	C
Min Coll	Binion Rd/Orange Ave	Lakeview Dr to US 441	COUNTY	554	404*	2L	E	40	6,029	C	239	348	7:15	0.1	0.59	C	320	230	16:30	0.09	0.58	C
Min Coll	Binion Rd/Orange Ave	Boy Scout Rd to Lakeview Dr	COUNTY	553	(404, 327)*	2L	E	40	11,510	C	414	565	7:00	0.09	0.58	C	566	447	14:45	0.09	0.56	C
Min Coll	Binion Rd/Orange Ave	Ocoee-Apopka Rd to Harmon Rd	COUNTY	28	28*	2L	E	55	7,257	C	357	216	7:00	0.08	0.62	C	308	367	14:45	0.09	0.54	C
Min Coll	Binion Rd/Orange Ave	Harmon Rd to Boy Scout Rd	CITY	673	673	2L	E	55	9,014	C	314	484	07:00	0.09	0.61	C	376	341	17:00	0.08	0.52	C
Min Coll	Boy Scout Rd	Binion Rd to Ocoee-Apopka Rd	CITY	556	556	2L	E	45	2,992	C	111	111	08:00	0.07	0.5	C	129	133	16:00	0.09	0.51	C
Min Coll	Bradshaw Rd	US 441 to Ocoee-Apopka Rd	CITY	557	557	2L	E	45	8,963	C	347	277	07:00	0.07	0.56	C	405	292	17:00	0.08	0.58	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Hiawassee Rd to Overland Rd	COUNTY	33.1	33*	2L	E	35	7,400	D	440	160	08:00	0.08	0.73	D	200	350	17:00	0.07	0.64	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	8th St to Sheeler Rd	COUNTY	651	1008*	2L	E	45	5,068	C	166	223	07:00	0.08	0.57	C	212	280	17:00	0.1	0.57	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Overland Rd to US 441	CITY	671	671	2L	E	35	6,157	C	259	216	7:15	0.08	0.55	C	282	157	16:45	0.07	0.64	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Lakeville Rd to Hiawassee Rd	CITY	658	658	3L	E	40	12,357	C	491	333	7:15	0.07	0.6	C	421	667	16:30	0.09	0.61	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Sheeler Rd to Lakeville Rd	COUNTY	653	7033*	2L	E	40	9,481	C	364	306	7:00	0.07	0.54	C	405	465	17:00	0.09	0.53	C
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	US 441 to 8th St	CITY	670	670	2L	E	45	2,343	C	42	80	08:00	0.05	0.66	C	97	136	17:00	0.1	0.58	C
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Keene Rd to McCormick Rd	COUNTY	565	(32, 7004)*	2L	E	45	34,702	F	1,239	1,353	07:00	0.07	0.52	F	1,445	1,556	17:00	0.09	0.52	F
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	M. Gladden Blvd to Cleveland St	COUNTY	328.1	328*	2L	E	30	10,804	D	361	353	07:00	0.07	0.51	C	436	389	16:00	0.08	0.53	D
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Votaw Rd to Orange St	COUNTY	426	426*	5L	E	35	22,637	D	651	988	6:45	0.07	0.6	D	1,030	793	16:45	0.08	0.57	D
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Welch Rd to Sandpiper Rd	COUNTY	21	21*	5L	E	45	25,374	C	1,384	698	7:00	0.08	0.66	C	954	1,359	17:00	0.09	0.59	C
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Ponkan Rd to Welch Rd	COUNTY	19	19*	5L	E	45	24,553	C	754	1,179	6:45	0.08	0.61	C	1,361	906	17:00	0.09	0.6	C
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	McCormick Rd to Clarcona-Ocoee Rd	CITY	7004	7004	2L	E	45	15,230	C	505	588	8:00	0.07	0.54	C	667	540	17:15	0.08	0.55	C
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Sandpiper Rd to Votaw Rd	CITY	516	516	5L	E	35	22,569	D	605	1,076	7:15	0.07	0.64	D	1,126	749	16:30	0.08	0.6	D
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	US 441 to M. Gladden Blvd	CITY	563	563	2L	E	30	11,434	D	428	296	7:00	0.06	0.59	D	493	396	16:30	0.08	0.55	D
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Orange St to US 441	CITY	580	580	5L	E	35	25,032	D	872	941	7:00	0.07	0.52	D	994	861	16:45	0.07	0.54	D
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Cleveland St to Keene Rd	COUNTY	564	7005*	2L	E	45	10,179	C	337	377	07:00	0.07	0.53	C	416	403	16:00	0.08	0.51	C
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Kelly Park Rd to Ponkan Rd	COUNTY	18.1	18*	4LD	E	45	16,631	C	469	832	08:00	0.08	0.64	C	905	655	17:00	0.09	0.58	C
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Harmon Rd to Bradshaw Rd	COUNTY	27	27*	2L	E	45	15,272	C	568	600	08:00	0.08	0.51	C	598	1,933	17:00	0.17	0.76	F
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Bradshaw Rd to Park Ave	COUNTY	7083	7083*	2L	E	35	8,924	D	352	308	7:30	0.07	0.53	C	413	345	14:45	0.08	0.54	D
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Alston Bay Blvd to Harmon Rd	COUNTY	559	(27, 29)*	4LD	E	45	29,461	F	1,170	1,187	7:30	0.08	0.5	F	1,175	2,553	14:45	0.13	0.68	F
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Keene Rd to Alston Bay Blvd	CITY	29	29	2L	E	45	15,179	C	629	573	7:15	0.08	0.52	C	603	554	17:00	0.08	0.52	C
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Binion Rd to Keene Rd	CITY	702	702	2L	E	45	16,693	C	717	635	7:30	0.08	0.53	C	733	565	16:30	0.08	0.56	C
Min Coll	Christiana Ave	Monroe Ave to Votaw Rd	CITY	520	520	2L	E	30	2,166	C	54	64	07:00	0.05	0.54	C	69	167	17:00	0.11	0.71	C
Min Coll	Cleveland St	Park Ave to Sheeler Rd	CITY	655	655	2L	E	40	1,761	C	64	63	07:00	0.07	0.5	C	71	68	17:00	0.08	0.51	C
Min Coll	E 5th Street	S Central Ave to Park Avenue	CITY	414	414	2L	D	30	2,117	C	107	62	07:00	0.08	0.63	C	137	87	16:00	0.11	0.61	C
Min Coll	Edgewood Dr	Monroe Ave to US 441	CITY	408	408	2L	E	30	5,010	D	184	101	07:00	0.06	0.65	C	261	420	17:00	0.14	0.62	D
Min Coll	Errol Pkwy	Lake Francis Dr to Lake Alden Dr	CITY	508	508	2L	D	25	2,351	C	96	53	08:00	0.06	0.64	C	86	142	16:00	0.1	0.62	C
Min Coll	Errol Pkwy	Lake Alden Dr to Old Dixie Hwy	CITY	509	509	2L	D	25	4,014	C	194	94	08:00	0.07	0.67	C	133	242	17:00	0.09	0.65	C
Min Coll	Errol Pkwy	Old Dixie Hwy to US 441	CITY	541	541	2L	D	30	6,954	D	181	250	08:00	0.06	0.58	C	463	201	17:00	0.1	0.7	D
Min Coll	General Electric Rd	Hermit Smith Rd to Orange Ave	CITY	931	931	2L	E	40	2,195	C	60	59	07:00	0.05	0.5	C	50	122	16:00	0.08	0.71	C
Min Coll	Golden Gem Rd	Kelly Park Rd to Sadler Rd	CITY	909	909	2L	E	30	1,843	C	92	52	07:00	0.08	0.64	C	76	102	17:00	0.1	0.57	C
Min Coll	Golden Gem Rd	Sadler Rd to Ponkan Rd	CITY	910	910	2L	E	30	1,108	C	51	35	07:00	0.08	0.59	C	51	61	17:00	0.1	0.54	C
Min Coll	Greenacre Rd	Piedmont-Wekiwa Rd to Neil Rd	CITY	820	820	2L	E	25	3,762	C	129	137	08:00	0.07	0.52	C	164	152	17:00	0.08	0.52	C
Min Coll	Haas Rd	Plymouth-Sorrento Rd (CR 437) to Mt Plymouth Rd	CITY	920	920	2L	E	40	1,440	C	54	79	07:00	0.09	0.59	C	73	52	17:00	0.09	0.58	C
Min Coll	Harmon Rd	Binion Rd to Ocoee-Apopka Rd	CITY	972	972	2L	E	40	5,426	C	363	131	07:00	0.09	0.73	C	152	279	17:00	0.08	0.65	C
Min Coll	Harmon Road	Ocoee Apopka Road to Marden Road	CITY	975	975	2L	E	40	4,050	C	253	183	08:00	0.11	0.58	C	165	162	17:00	0.08	0.5	C
Min Coll	Hawthorne Ave	Ocoee-Apopka Rd to 13th St	CITY	561	561	2L	D	30	1,129	C	24	36	08:00	0.05	0.6	C	56	42	16:00	0.09	0.57	C
Min Coll	Hawthorne Ave	US 441 to Ocoee-Apopka Rd	CITY	562	562	2L	D	30	1,084	C	28	18	08:00	0.04	0.61	C	53	48	16:00	0.09	0.52	C
Min Coll	Hermit Smith Rd	US 441 to General Electric Rd	CITY	950	950	2L	E	35	2,821	C	110	64	07:00	0.06	0.63	C	58	173	16:00	0.08	0.75	C
Min Coll	Hermit Smith Rd	Plymouth-Sorrento Rd (CR 437) to US 441	CITY	951	951	2L	E	35	991	C	37	34	08:00	0.07	0.52	C	73	31	16:00	0.1	0.7	C
Min Coll	Hermit Smith Rd	General Electric Rd to US 441	CITY	952	952	2L	E	35	215	C	3	11	07:00	0.07	0.79	C	20	3	16:00	0.11	0.87	C
Min Coll	Highland Ave	US 441 to 6th St	CITY	406	406	2L	E	25	698	C	68	37	07:00	0.15	0.65	C	28	37	16:00	0.09	0.57	C
Min Coll	Highland Ave	Monroe Ave to US 441	CITY	405	405	2L	E	25	1,267	C	44	21	07:00	0.05	0.68	C	92	34	16:00	0.1	0.73	C
Min Coll	Hogshead Rd	Hermit Smith Rd to Conrad Rd	CITY	973	973	2L	E	30	1,313	C	52	70	07:00	0.09	0.57	C	44	68	16:00	0.09	0.61	C
Min Coll	Jason Dwelley Pkwy	Kelly Park Rd to Spinfisher Dr	CITY	956	956	2L	E	35	3,869	C	215	269	08:00	0.13	0.56	C	196	164	17:00	0.09	0.54	C
Min Coll	Jason Dwelley Pkwy	Spinfisher Dr to White Dahlia Dr	CITY	958	958	2L	E	35	2,684	C	166	214	08:00	0.14	0.56	C	116	116	16:00	0.09	0.5	C
Min Coll	Jason Dwelley Pkwy	White Dahlia Dr to Ponkan Rd	CITY	960	960	2L	E	35	2,910	C	161	231	08:00	0.13	0.59	C	110	142	17:00	0.09	0.56	C
Min Coll	Keene Rd	Clarcona Rd to Sheeler Rd	COUNTY	7090	7090*	2L	E	45	10,394	C	398	416	7:00	0.08	0.51	C	452	439	16:30	0.09	0.51	C
Min Coll	Keene Rd	Ocoee-Apopka Rd to Marden Rd	COUNTY	930	8066*	2L	E	45	4,936	C	233	191	7:00	0.09	0.55	C	252	178	16:45	0.09	0.59	C
Min Coll	Keene Rd	Marden Rd to Clarcona Rd	CITY	568	568	2L	E	45	6,057	C	223	221	07:00	0.07	0.5	C	302	223	17:00	0.09	0.58	C
Min Coll	Kelly Park Rd	Mt. Plymouth Rd to Rock Springs Rd	COUNTY	12.1	12*	2L	E	40	12,225	C	603	392	6:45	0.08	0.61	C	512	641	16:30	0.09	0.56	C
Min Coll	Kelly Park Rd	SR 429 to Plymouth-Sorrento Rd (CR 437)	COUNTY	10.1	9*	2L	E	55	11,657	B	355	793	6:30	0.1	0.69	C	656	419	16:30	0.09	0.61	C
Min Coll	Kelly Park Rd	Jason Dwelley Pkwy to Mt. Plymouth Rd	CITY	12	12	2L	E	40	5,749	B	240	241	07:00	0.08	0.5	B	310	285	17:00	0.1	0.52	B
Min Coll	Kelly Park Rd	Round Lake Rd to SR 429	CITY	9.1	9.1	2L	E	55	10,679	B	351	417	07:00	0.07	0.54	B	523	580	17:00	0.1	0.53	B
Min Coll	Kelly Park Rd	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	9	9	2L	E	55	7,405	B	223	414	07:00	0.09	0.65	B	420	271	16:00	0.09	0.61	B
Min Coll	Kelly Park Road	SR 429 to Plymouth Sorrento Road	CITY	10.1	10.1	2L	E	55	7,123	B	313	263	07:00	0.08	0.54	B	291	352	17:00	0.09	0.55	B
Min Coll	Kelly Park Road	Round Lake Road to Waypointe Blvd	CITY	9002	9002	2L	E	55	12,779	C	357	734	07:00	0.09	0.67	C	719	409	16:00	0.09	0.64	C
Min Coll	King St	Peterson Rd to Orange Ave	CITY	585	585	2L	E	35	1,570	C	58	53	08:00	0.07	0.52	C	58	46	16:00	0.07	0.56	C
Min Coll	Lake Ave/Marvin C Zanders Ave	US 441 to 4th St	CITY	402	402	2L	D	25	2,252	C	132	56	08:00	0.08	0.7	C	131	85	16:00	0.1	0.61	C
Min Coll	Lake Ave/Marvin C Zanders Ave	Martin St to Orange St	CITY	513	513	2L	D	25	2,185	C	64	142	07:00	0.09	0.69	C	150	64	17:00	0.1	0.7	C
Min Coll	Lake Ave/Marvin C Zanders Ave	Orange St to US 441	CITY	515	515	2L	D	25	1,137	C	56	32	08:00	0.08	0.64	C	48	78	17:00	0.11	0.62	C
Min Coll	Lake Cortez Dr	SR 436 to Evelyn Dr	CITY	811	811	2L	E	25	692	C	27	19	07:00	0.07	0.59	C	53	12	16:00	0.09	0.82	C
Min Coll	Lake Doe Blvd	US 441 to Dunn Cove Dr	CITY	1015	1015	2L	E	25	3,559	C	102	169	08:00	0.08	0.62	C	190	99	17:00	0.08	0.66	C
Min Coll	Lake Francis Dr	Errol Pkwy to Vick Rd	CITY	504	504	2L	D	25	3,159	C	132	81	08:00	0.07	0.62	C	126	167	17:00	0.09	0.57	C
Min Coll	Lake Francis Dr	Schopke Lester Rd to Errol Pkwy	CITY	505	505	2L	D	25	1,173	C	38	47	08:00	0.07	0.55	C	53	54	17:00	0.09	0.5	C
Min Coll	Lakeville Rd	Beggs Rd to Clarcona Ocoee Rd	COUNTY	67	67*	2L	E	50	5,718	C	329	314	7:30	0.11	0.51	C	222	278	14:30	0.09	0.56	C
Min Art	Lakeville Rd	Apopka Blvd to Wildwood St	CITY	657	657	2L	E	50	3,693	C	137	90	7:30	0.06	0.6	C	133	169	17:00	0.08	0.56	C
Min Coll	Lakeville Rd	Wildwood St to Beggs Rd	COUNTY	30	(30, 31)*	2L	E	50	7,629	C	396	305	07:00	0.09	0.56	C	378	373	16:00	0.1	0.5	C

City of Apopka
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Min Coll	Lester Rd	Schopke Lester Rd to Plymouth-Sorrento Rd (CR 437)	CITY	801	801	2L	E	35	5,494	C	155	297	07:00	0.08	0.66	C	292	179	17:00	0.09	0.62	C
Min Coll	Lester Rd	Vick Rd to Schopke Lester Rd	CITY	506	506	2L	E	35	6,465	C	339	218	08:00	0.09	0.61	D	260	297	17:00	0.09	0.53	C
Min Coll	Lester Rd	Rock Springs Rd to Vick Rd	CITY	583	583	2L	E	35	5,964	C	266	193	08:00	0.08	0.58	C	240	298	17:00	0.09	0.55	C
Min Coll	Lust Rd	Binion Rd to Avian Pointe Blvd	CITY	526	526	2L	E	30	1,666	C	111	31	07:00	0.09	0.78	C	45	85	17:00	0.08	0.65	C
Min Coll	Magee Avenue	US 441 to E 6th Street	CITY	413	413	2L	E	30	939	C	25	32	08:00	0.06	0.56	C	33	60	16:00	0.1	0.65	C
Min Coll	Magee Avenue	Monroe Ave to US 441	CITY	412	412	2L	E	30	1,864	C	43	37	07:00	0.04	0.54	C	159	54	16:00	0.11	0.75	C
Min Coll	Marden Rd	SR 414 to Keene Rd	CITY	569	569	2L	E	35	2,371	C	113	109	08:00	0.09	0.51	C	141	74	17:00	0.09	0.66	C
Min Coll	Marden Rd	Marden Ridge Lp to SR 414	CITY	560	560	2L	E	35	6,969	D	301	358	08:00	0.09	0.54	D	281	260	17:00	0.08	0.52	C
Min Coll	Marden Rd	Ocoee-Apopka Rd to Marden Ridge Lp	CITY	555	555	2L	E	35	5,936	C	271	325	08:00	0.1	0.55	C	228	240	17:00	0.08	0.51	C
Min Coll	Marshall Lake Rd	SR 451 to Bradshaw Rd	CITY	584	584	2L	E	35	1,187	C	45	87	07:00	0.11	0.66	C	99	21	16:00	0.1	0.82	C
Min Coll	Martin St	Park Ave to Lake Ave	CITY	519	519	2L	E	25	3,019	C	143	156	08:00	0.1	0.52	C	125	141	17:00	0.09	0.53	C
Min Coll	Martin St	Maine Ave to Vick Rd	CITY	830	830	2L	E	25	4,337	C	240	138	07:00	0.09	0.63	C	142	164	16:00	0.07	0.54	C
Min Coll	Midland Ave	US 441 to 6th St	CITY	407	407	2L	E	25	1,322	C	44	32	08:00	0.06	0.58	C	68	66	16:00	0.1	0.51	C
Min Coll	Monroe Ave	Park Ave to Alabama Ave	CITY	603	603	2L	D	25	3,230	C	151	56	07:00	0.06	0.73	C	133	268	17:00	0.12	0.67	C
Min Coll	Monroe Ave	Alabama Ave to Sheeler Rd	CITY	604	604	2L	D	25	4,325	C	156	103	07:00	0.06	0.6	C	205	281	17:00	0.11	0.58	C
Min Coll	Mt. Plymouth Rd	Kelly Park Rd to Haas Rd	COUNTY	17	17*	2L	E	45	8,104	C	261	423	7:00	0.08	0.62	C	471	332	16:45	0.1	0.59	C
Min Coll	Mt. Plymouth Rd	Haas Rd to Lake County Line	CITY	17.1	17.1	2L	E	45	6,388	C	358	205	07:00	0.09	0.64	C	251	368	16:00	0.1	0.59	C
Min Coll	North Maine Ave	Martin St to Old Dixie Hwy	CITY	512	512	2L	D	25	5,335	C	272	247	07:00	0.1	0.52	C	257	167	17:00	0.08	0.61	C
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Vick Rd to Bradshaw Rd	CITY	674	674	2L	E	35	9,644	D	545	268	07:00	0.08	0.67	D	473	377	17:00	0.09	0.56	D
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Boy Scout Blvd to Errol Pkwy	CITY	510	510	2L	E	35	5,020	C	211	165	07:00	0.07	0.56	C	230	293	17:00	0.1	0.56	C
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Errol Pkwy to Vick Rd	CITY	511	511	2L	E	35	7,681	D	188	360	07:00	0.07	0.66	D	416	350	17:00	0.1	0.54	D
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Hawthorne Ave to Park Ave	CITY	514	514	2L	E	25	3,304	C	172	77	08:00	0.08	0.69	C	166	186	17:00	0.11	0.53	C
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Bradshaw Rd to Hawthorne Ave	CITY	518	518	2L	E	25	5,162	C	141	213	07:00	0.07	0.6	C	270	220	17:00	0.09	0.55	C
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Plymouth-Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	582	582	2L	E	35	2,583	C	87	85	07:00	0.07	0.51	C	146	125	17:00	0.1	0.54	C
Min Coll	Ondich Rd	Effie Dr to Plymouth-Sorrento Rd (CR 437)	CITY	817	817	2L	E	30	833	C	27	53	07:00	0.1	0.66	C	52	49	16:00	0.12	0.51	C
Min Coll	Ondich Rd	Round Lake Rd to Effie Dr	CITY	901	901	2L	E	30	1,040	C	38	66	07:00	0.1	0.63	C	60	62	16:00	0.12	0.51	C
Min Coll	Overland Rd	Apopka Rd to Beggs Rd	CITY	672	672	2L	E	45	5,780	C	178	218	07:00	0.07	0.55	C	275	256	16:00	0.09	0.52	C
Min Coll	Peterson Rd	Grand Avian Pkwy to King St	CITY	586	586	2L	E	35	1,482	C	57	56	08:00	0.08	0.5	C	50	49	16:00	0.07	0.51	C
Min Art	Plymouth-Sorrento Rd	Appy Ln to Ponkan Rd	COUNTY	11	(11, 8164)*	2L	E	55	8,771	C	346	360	6:45	0.08	0.51	C	473	467	16:45	0.11	0.5	C
Min Art	Plymouth-Sorrento Rd	County Line to Kelly Park Rd	COUNTY	14	14*	2L	E	55	11,502	B	407	625	7:00	0.09	0.61	C	656	381	17:00	0.09	0.63	C
Min Art	Plymouth-Sorrento Rd	Lester Rd/Yothers Rd to SR 429 Connector Rd	CITY	542	542	2L	E	45	11,192	C	277	622	7:45	0.08	0.69	C	602	376	17:00	0.09	0.62	C
Min Art	Plymouth-Sorrento Rd	SR 429 Connector Rd to US 441	CITY	543	543	2L	E	45	8,554	C	271	330	07:00	0.07	0.55	C	433	342	16:00	0.09	0.56	C
Min Art	Plymouth-Sorrento Rd	Kelly Park Rd to Appy Ln	CITY	544	544	2L	E	55	7,570	C	224	296	08:00	0.07	0.57	C	344	375	16:00	0.09	0.52	C
Min Art	Plymouth-Sorrento Rd	Ponkan Rd to Lester Rd/Yothers Rd	COUNTY	10	10*	2L	E	55	11,623	C	443	546	07:00	0.09	0.55	C	638	475	17:00	0.1	0.57	C
Min Coll	Ponkan Rd	Plymouth-Sorrento Rd (CR 437) to Vick Rd	COUNTY	8115	(8115, 326)*	2L	E	45	5,402	C	443	203	7:15	0.12	0.69	C	350	372	16:00	0.13	0.52	C
Min Coll	Ponkan Rd	Round Lake Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	13	(13, 14)*	2L	E	35	10,818	D	554	501	8:15	0.1	0.53	D	492	492	17:15	0.09	0.5	D
Min Coll	Ponkan Rd	Vick Rd to Rock Springs Rd	COUNTY	326	326*	2L	E	45	5,402	C	237	164	8:00	0.07	0.59	C	249	372	17:15	0.11	0.6	C
Min Coll	Rock Ridge Blvd	Rock Springs Rd to Haddington Ct	CITY	540	540	2L	E	30	3,811	C	200	55	07:00	0.07	0.78	C	111	190	17:00	0.08	0.63	C
Min Coll	Roger Williams Rd	US 441 to SR 436	CITY	613	613	2L	E	30	3,142	C	105	237	07:00	0.11	0.69	C	93	165	17:00	0.08	0.64	C
Min Coll	Rogers Rd	Lester Rd to Gray Stone	CITY	976	976	2L	E	30	1,979	C	72	143	08:00	0.11	0.67	C	110	69	17:00	0.09	0.61	C
Min Coll	Round Lake Rd	Sadler Ave to Kelly Park Rd	COUNTY	8	8*	2L	E	55	6,796	C	379	361	7:15	0.11	0.51	C	344	306	16:15	0.1	0.53	C
Min Coll	Round Lake Rd	Ponkan Rd to Sadler Ave	COUNTY	8067	(8, 8067)*	2L	E	50	6,796	C	379	361	7:15	0.11	0.51	C	344	306	16:15	0.1	0.53	C
Min Coll	Round Lake Rd	Ondich Rd to Lake County Line	COUNTY	8178	6*	2L	E	50	3,945	C	191	239	7:15	0.11	0.56	C	209	189	16:00	0.1	0.53	C
Min Coll	Round Lake Rd	Kelly Park Rd to Ondich Rd	COUNTY	6	6*	2L	E	55	3,945	C	191	239	7:15	0.11	0.56	C	209	189	16:00	0.1	0.53	C
Min Coll	SR 429 Connector	US 441 to Plymouth-Sorrento Rd (CR 437)	CITY	980	980	4LD	E	35	18,213	D	689	654	07:00	0.07	0.51	C	545	760	17:00	0.07	0.58	D
Min Coll	SR 429 Connector Road	US 441 to Plymouth Sorrento Road	CITY	3	3	4LD	E	35	19,094	D	744	770	07:00	0.08	0.51	D	549	767	17:00	0.07	0.58	D
Maj Art	SR 436 (Semoran Blvd)	Thompson Rd to Roger Williams Rd	CITY	608	608	8LD	D	45	41,214	C	1,628	1,059	07:00	0.07	0.61	C	1,431	1,781	17:00	0.08	0.55	C
Maj Art	SR 436 (Semoran Blvd)	US 441 to Sheeler Rd	FDOT	607	295	8LD	D	45	44,041	C	1,744	1,411	08:00	0.07	0.55	C	1,789	1,964	17:00	0.09	0.52	C
Maj Art	SR 436 (Semoran Blvd)	Sheeler Rd to Thompson Rd	FDOT	620	295	8LD	D	45	44,041	C	1,744	1,411	7:15	0.07	0.55	C	1,789	1,964	17:15	0.09	0.52	C
Maj Art	SR 436 (Semoran Blvd)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	621	295*	8LD	D	45	44,041	C	1,744	1,411	7:00	0.07	0.55	C	1,789	1,964	17:00	0.09	0.52	C
Maj Art	SR 436 (Semoran Blvd)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	622	5*	6LD	D	45	56,744	C	2,306	1,753	07:00	0.07	0.57	C	2,139	2,289	17:00	0.08	0.52	C
Min Coll	Sandpiper Rd	Ustler Rd to Thompson Rd	CITY	601	601	2L	E	40	5,175	C	325	108	07:00	0.08	0.75	C	193	320	17:00	0.1	0.62	C
Min Coll	Sandpiper Rd	Park Ave to Ustler Rd	CITY	600	600	2L	E	40	4,129	C	275	80	07:00	0.09	0.77	C	163	260	16:00	0.1	0.61	C
Min Coll	Schopke-Lester Rd	Lester Rd to Old Dixie Hwy	CITY	507	507	2L	E	35	3,864	C	79	173	07:00	0.07	0.69	C	221	128	17:00	0.09	0.63	C
Min Coll	Sheeler Oaks Dr	Sheeler Rd to Saddleback Ridge	CITY	701	701	2L	E	45	2,015	C	61	73	7:30	0.07	0.54	C	96	94	16:45	0.09	0.51	C
Min Art	Sheeler Rd	Cleveland St to Keene Rd	CITY	656	656	2L	E	45	8,522	C	313	296	7:30	0.07	0.51	C	353	420	16:45	0.09	0.54	C
Min Art	Sheeler Rd	US 441 to Apopka Blvd	COUNTY	7006	7006*	2L	E	45	10,248	C	380	336	7:30	0.07	0.53	C	427	437	16:45	0.08	0.51	C
Min Art	Sheeler Rd	SR 436 to US 441	CITY	605	605	3L	E	35	9,915	C	285	270	7:30	0.06	0.51	C	447	417	16:45	0.09	0.52	C
Min Art	Sheeler Rd	Apopka Blvd to Cleveland St	COUNTY	7007	7007*	2L	E	45	10,897	C	447	313	08:00	0.07	0.59	C	438	477	17:00	0.08	0.52	C
Min Coll	Summit St	Rock Springs Rd to Lake Ave	CITY	521	521	2L	E	30	3,600	C	232	131	08:00	0.1	0.64	C	134	161	17:00	0.08	0.55	C
Min Coll	Tanglewild St	Rock Springs Rd to Ulster Rd	CITY	611	611	2L	E	30	1,044	C	33	39	08:00	0.07	0.54	C	63	53	16:00	0.11	0.54	C
Min Coll	Thompson Rd	Votaw Rd to SR 436	COUNTY	24	24*	2L	E	35	11,626	D	351	644	7:30	0.09	0.65	D	670	412	17:45	0.09	0.62	D
Min Coll	Thompson Rd	Welch Rd to Votaw Rd	COUNTY	429	429*	2L	E	45	10,443	C	329	605	7:15	0.09	0.65	C	545	495	17:15	0.1	0.52	C
Maj Art	US 441 (Orange Blossom Tr)	Bradshaw Rd to Hawthorne Ave	CITY	552	552	5L	D	45	39,455	A	1,291	1,466	7:15	0.07	0.53	A	1,511	1,207	17:00	0.07	0.56	A
Maj Art	US 441 (Orange Blossom Tr)	Boy Scout Blvd to Errol Pkwy	COUNTY	82.1	82*	4LD	D	45	34,862	A	1,077	1,372	7:15	0.07	0.56	A	1,351	1,297	17:00	0.08	0.51	A
Maj Art	US 441 (Orange Blossom Tr)	SR 436 to Sheeler Rd	CITY	661	661	4LD	D	45	24,396	C	1,305	556	6:45	0.08	0.7	C	730	912	16:30	0.07	0.56	C
Maj Art	US 441 (Orange Blossom Tr)	Church Dr/Yothers Rd to SR 429 Connector Rd	CITY	530	530	4LD	D	55	42,264	A	2,150	1,726	6:45	0.09	0.55	A	1,253	1,860	16:30	0.07	0.6	A
Maj Art	US 441 (Orange Blossom Tr)	Highland Ave to Alabama Ave	CITY	609	609	5L	D	35	49,066	A	2,054	1,232	7:15	0.07	0.63	B	1,800	1,553	16:45	0.07	0.54	A
Maj Art	US 441 (Orange Blossom Tr)	Ponkan Rd to Church Dr/Yothers Rd	COUNTY	2.1	2*	4LD	D	55	37,801	C	1,649	1,278	7:15	0.08	0.56	C	1,344	1,857	16:45	0.08	0.58	C
Maj Art	US 441 (Orange Blossom Tr)	SR 429 Connector Rd to Plymouth Sorrento Rd (CR 437)	FDOT	940	2, 3	4LD	D	45	41,761	A	1,649	1,815	7:00	0.08	0.52	A	1,823	1,857	15:45	0.09	0.5	A
Maj Art	US 441 (Orange Blossom Tr)	SR 451 to Bradshaw Rd	CITY	531	531	4LD	D	45	40,918	A	1,391	1,291	7:00	0.07	0.52	A	1,315	1,728	15:45	0.07	0.57	A
Maj Art	US 441 (Orange Blossom Tr)	Errol Pkwy to SR 451	FDOT	551	82*	4LD	D	45	34,862	A	1,077	1,372	7:15	0.07	0.56	A	1,351	1,297	16:30	0.08	0.51	A
Maj Art	US 441 (Orange Blossom Tr)	Central Ave to Park Ave	FDOT	5099	5099*	5L	D	35	38,448	A	1,508	1,114	7:30	0.07	0.58	A	1,378	1,526	17:00	0.08	0.53	A
Maj Art	US 441 (Orange Blossom Tr)	Hawthorne Ave to Central Ave	FDOT	287	5099*	5L	D	35	38,448	A	1,508	1,114	7:15	0.07	0.58	A	1,378	1,526	16:30	0.08	0.53	A
Maj Art	US 441 (Orange Blossom Tr)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	33	33*	4LD	D	55	33,726	C	1,051	1,402	07:00	0.07	0.57	C	1,529	1,091	16:00	0.08	0.58	C
Maj Art	US 441 (Orange Blossom Tr)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	660	5096*	4LD	D	55	30,443	C	1,193	974	07:00	0.07	0.55	C	989	1,377	17:00	0.08	0.58	C
Maj Art	US 441 (Orange Blossom Tr)	Plymouth Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	550	550	4LD	D	45	28,844	A	1,235	828	07:00	0.07	0.6	A	1,050	1,149	17:00	0.08	0.52	A
Maj Art	US 441 (Orange Blossom Tr)	Alabama Ave to SR 436	FDOT	5096	5098*	4LD	D	35	47,365	A	1,517	1,783	07:00	0.07	0.54	A	1,626	1,597	17:00	0.07	0.5	A
Maj Art	US 441 (Orange Blossom Tr)	Park Ave to Highland Ave	COUNTY	5098	5098*	5L	D	35	47,365	A	1,517	1,783	07:00	0.07	0.54	A	1,626	1,597	17:00	0.07	0.5	A
Maj Art	US 441 (Orange Blossom Tr)	Sheeler Rd to Roger Williams Rd	COUNTY	7075	7075*	4LD	D	45	29,511	C	942	1,272	07:00	0.08	0.57	C	1,207	942	17:00	0.07	0.56	C
Min Coll	Ustler Rd	Welch Rd to Sandpiper Rd	CITY	610	610	2L	E	30	1,072	C	38	31	08:00	0.06	0.55	C	56	64	16:00	0.11	0.53	C
Min Coll	Ustler Rd	Sandpiper Rd to Tanglewild St	CITY	612	612	2L	E	30	669	C	15	19	08:00	0.05	0.56	C	34	52	17:00	0.13	0.6	C
Min Coll	Vick Rd	Martin St to Welch Rd	CITY	502	502	2LD	E	35	13,133	D	549	366	7:45	0.07	0.6	D	422	656	16:45	0.08	0.61	D
Min Coll	Vick Rd	Old Dixie Hwy to Ashworth Overlook Dr	COUNTY	8150	8150*	4LD	E	35	16,902	D	623	1,011	8:15	0.1	0.62	D	828	742	17:15	0.09	0.53	D
Min Coll	Vick Rd	Lester Rd to Ponkan Rd	COUNTY	8151	8151*	2L	E	35	6,050	C	327	372	07:00	0.12	0.53	D	371	292	17:00	0.11	0.56	D
Min Coll	Vick Rd	Welch Rd to Lake Francis Dr	CITY	503	503	2L	E	35	12,213	D	338	613	08:00	0.08	0.64	D	590	460	17:00	0.09	0.56	D
Min Coll	Vick Rd	Ashworth Overlook Dr to Martin St	CITY	532	532	2LD	E	35	14,883	D	461	697	07:00	0.08	0.6	D	746	435	17:00	0.08	0.63	D
Min Coll	Vick Rd	Lake Francis Dr to Lester Rd	CITY	533	533	2L	E	35	8,294	D	264	456	08:00	0.09	0.63	D	432	388	16:00	0.1	0.53	D

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Min Coll	Vick Rd	US 441 to Old Dixie Hwy	CITY	525	525	4LD	E	35	16,163	D	579	742	08:00	0.08	0.56	D	760	553	17:00	0.08	0.58	D
Min Coll	Vick Road	Ponkan Road to Lester Road	CITY	534	534	2L	E	35	6,498	C	283	372	08:00	0.1	0.57	D	309	341	16:00	0.1	0.52	D
Min Coll	Votaw Rd	Thompson Rd to Wekiva Springs Rd	CITY	627	627	2L	E	45	8,699	C	413	224	08:00	0.07	0.65	C	306	480	17:00	0.09	0.61	C
Min Coll	Votaw Rd	Christiana Ave to Thompson Rd	CITY	626	626	2L	E	45	7,770	C	260	203	07:00	0.06	0.56	C	357	445	17:00	0.1	0.55	C
Min Coll	Votaw Rd	Park Ave to Christiana Ave	CITY	625	625	2L	E	45	7,721	C	224	289	08:00	0.07	0.56	C	340	438	17:00	0.1	0.56	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Piedmont Lakes Blvd to US 441	CITY	606	606	5L	E	45	32,915	C	893	1,049	8:00	0.06	0.54	C	1,858	1,024	16:45	0.09	0.64	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Welch Rd to Votaw Rd	COUNTY	799	(799, 798)*	3L	E	45	25,074	D	939	1,266	7:45	0.09	0.57	E	1,199	1,128	17:00	0.09	0.52	D
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Votaw Rd to SR 436	COUNTY	25	25*	5L	E	45	25,677	C	770	1,335	7:00	0.08	0.63	C	1,125	1,018	17:00	0.08	0.52	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 436 to Piedmont Lakes Blvd	COUNTY	330	330*	5L	E	45	31,540	C	1,000	1,000	7:30	0.06	0.5	C	1,532	1,187	16:30	0.09	0.56	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	US 441 to CR 424 (Apopka Blvd)	COUNTY	331	331*	4LD	E	45	25,939	C	899	856	7:00	0.07	0.51	C	1,054	1,073	15:00	0.08	0.5	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	CR 424 (Apopka Blvd) to SR 414	COUNTY	222	7115*	4LD	E	45	22,710	C	891	864	6:45	0.08	0.51	C	957	941	16:30	0.08	0.5	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Beggs Rd to Clarcona-Ocoee Rd	COUNTY	65	65*	4LD	E	45	24,831	C	872	1,040	07:00	0.08	0.54	C	1,117	918	17:00	0.08	0.55	C
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 414 to Beggs Rd	CITY	223	223	4LD	E	45	25,932	C	1,012	1,026	08:00	0.08	0.5	C	1,014	1,061	17:00	0.08	0.51	C
Min Art	Welch Rd	Ustler Road to Thompson Rd	COUNTY	7049	7049*	2L	E	45	19,067	D	844	594	8:00	0.08	0.59	C	673	1,023	16:30	0.09	0.6	D
Min Art	Welch Rd	Vick Rd to Rock Springs Rd	COUNTY	501	2017*	2L	E	35	11,774	D	535	350	7:00	0.08	0.6	D	546	533	16:45	0.09	0.51	D
Min Art	Welch Rd	Thompson Rd to Wekiva Springs Rd	COUNTY	22	7049*	2L	E	45	19,067	D	844	594	7:00	0.08	0.59	C	673	1,023	16:45	0.09	0.6	D
Min Art	Welch Rd	Rock Springs Rd to Ustler Road	CITY	624	624	3L	E	45	18,612	C	870	479	07:00	0.07	0.64	C	638	781	16:00	0.08	0.55	C
Min Coll	Woodfield Oaks Dr	Arbor Way to Regal St	CITY	700	700	2L	E	25	702	C	43	17	08:00	0.09	0.72	C	25	31	17:00	0.08	0.55	C
Min Coll	Yothers Rd	Hermit Smith Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	8152	8152*	2L	E	35	4,140	C	280	161	7:15	0.11	0.63	C	203	174	16:45	0.09	0.54	C
Min Coll	Yothers Rd	US 441 to Hermit Smith Rd	CITY	800	800	2L	E	35	2,374	C	65	140	07:00	0.09	0.68	C	129	79	17:00	0.09	0.62	C

Notes:
(*) - *Per 2025 Orange County Traffic Counts Database*

City of Apopka
2025 CMS Tables
Historical ADT Volumes

Class	Roadway	Segment	Source	2022 Station	2025 Station	Historical Daily Volumes																										
						2025	2024	2023	2022	2021[15]	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1995	1994	1993	88 / 89
Mn Coll	10th St	Alabama Ave to Sheeler Ave	CITY	411	411	467	469	475	471	485	500	498	502	562	447	482	467	259	532	410	215	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	13th St	Ocoee-Apopka Rd to Park Ave	CITY	840	840	3,017	2,871	2,771	2,697	2,488	2,278	2,570	2,553	2,428	3,285	2,307	2,417	1,599	1,820	2,432	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	13th St	Park Ave to Apopka Blvd	CITY	841	841	3,788	3,692	3,642	3,639	3,450	3,260	3,677	3,724	3,414	3,384	2,862	2,430	2,057	2,480	2,491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	2nd St (Monroe Ave)	Central Ave to Park Ave	CITY	401	401	897	947	994	1,025	1,100	1,174	1,147	1,088	1,061	1,040	960	959	1,267	1,282	1,160	997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	5th St	Park Ave to Highland Ave	CITY	403	403	1,778	2,708	2,836	3,921	3,818	3,714	1,978	1,014	594	759	704	598	714	718	515	1,908	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	6th St	Park Ave to Alabama Ave	CITY	650	650	2,283	3,126	3,084	4,585	3,558	2,528	2,137	2,535	2,209	2,752	1,963	2,029	1,895	2,045	1,824	2,223	2,824	3,284	3,628	3,633	2,996	3,135	3,114	2,172	2,803	2,101	2,450	2,748	2,126	2,565	2,707	2,623	1,549
Mn Coll	8th St	Alabama Ave to US 441	CITY	410	410	1,435	1,848	1,699	2,560	1,674	787	CST	693	345	564	559	599	609	618	606	681	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	8th St	Park Ave to Highland Ave	CITY	404	404	3,089	4,231	4,097	6,389	4,559	2,730	2,664	2,508	2,534	2,767	2,170	2,601	2,622	2,497	2,374	2,548	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	9th St	Central Ave to Park Ave	CITY	333	333	3,797	4,081	4,264	4,461	4,773	5,086	4,661	4,049	3,954	3,998	3,343	3,116	3,059	2,908	2,572	2,784	2,729	3,049	---	---	3,529	3,298	4,198	---	---	---	3,723	3,366	---	---	---	---
Mn Coll	Alabama Ave	Monroe Ave to US 441	CITY	409	409	297	336	353	366	422	479	336	670	786	1,003	382	367	444	380	329	261	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Appy Ln	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	971	971	1,224	1,328	1,297	1,513	1,315	1,116	1,070	903	771	900	689	555	550	271	272	227	265	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Binion Rd/Orange Ave	Lakeview Dr to US 441	COUNTY	554	404*	6,099	5,661	5,661	5,241	5,035	4,698	4,335	4,423	4,289	3,967	4,009	3,590	3,178	4,416	3,611	4,191	4,399	3,929	4,317	3,861	3,430	3,683	3,862	3,948	3,507	3,806	6,668	5,469	4,534	---	---	---
Mn Coll	Binion Rd/Orange Ave	Boy Scout Rd to Lakeview Dr	COUNTY	553	(404, 327)*	8,813	6,769	6,579	7,452	7,061	6,669	5,495	6,089	5,638	5,319	4,774	4,419	3,846	4,987	5,113	5,219	5,120	4,961	4,884	4,837	4,018	4,255	3,797	3,743	4,036	4,159	6,459	6,801	5,889	4,966	5,963	5,812	4,018
Mn Coll	Binion Rd/Orange Ave	Ocoee-Apopka Rd to Harmon Rd	COUNTY	28	28*	7,282	5,535	5,553	5,391	5,000	4,609	4,249	3,857	4,171	3,844	3,580	3,324	3,090	4,141	4,099	440	3,848	3,713	4,305	4,144	4,234	4,058	3,863	4,885	4,181	---	---	---	---	---	---	---
Mn Coll	Binion Rd/Orange Ave	Harmon Rd to Boy Scout Rd	CITY	673	673	9,014	7,958	7,352	6,015	5,831	5,647	5,407	5,029	4,585	4,253	3,899	3,767	3,090	4,141	4,099	440	3,848	3,713	4,305	4,144	4,234	4,058	3,863	4,885	4,181	---	---	---	---	---	---	---
Mn Coll	Boy Scout Rd	Binion Rd to Ocoee-Apopka Rd	CITY	556	556	2,992	2,567	2,297	1,790	1,643	1,495	1,401	1,347	1,286	1,115	1,082	933	889	980	1,401	1,205	1,023	870	1,033	1,137	687	709	559	483	684	629	587	531	486	---	---	---	---
Mn Coll	Bradshaw Rd	US 441 to Ocoee-Apopka Rd	CITY	557	557	8,963	8,276	7,849	7,474	6,579	5,685	7,134	6,823	4,579	4,329	3,458	3,351	3,021	3,053	3,980	2,944	3,792	2,626	2,667	4,612	4,271	2,727	3,521	3,868	2,451	2,479	2,403	3,994	3,178	3,096	3,251	3,164	372
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	Hiawassee Rd to Overland Rd	COUNTY	33.1	33*	7,749	7,398	7,268	7,194	6,825	6,455	7,923	7,943	7,443	7,515	7,218	6,811	6,722	6,510	6,093	6,249	6,387	7,866	7,653	8,506	8,056	17,041	12,175	N/A	8,012	8,671	7,549	---	---	---	---	---
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	6th St to Sheeler Rd	COUNTY	651	1008*	4,985	4,898	4,924	4,781	4,520	4,259	4,725	4,710	4,566	4,629	4,013	3,910	4,217	4,170	3,920	4,137	4,610	5,429	5,715	6,310	5,730	5,892	6,053	4,267	7,141	5,417	5,920	5,707	5,411	5,432	5,114	4,776	3,669
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	Overland Rd to US 441	CITY	671	671	6,157	5,953	5,856	5,888	5,437	4,986	6,034	5,792	5,196	5,541	4,748	5,230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	Lakeville Rd to Hiawassee Rd	CITY	658	658	12,357	12,178	12,042	12,259	11,530	10,801	12,180	11,748	11,735	11,564	11,091	9,693	11,284	10,347	9,948	10,173	10,953	12,331	12,100	12,215	13,590	12,657	12,128	10,157	15,451	15,457	13,560	12,223	9,834	8,469	7,335	---	---
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	Sheeler Rd to Lakeville Rd	COUNTY	653	7033*	9,464	8,819	9,359	8,955	8,672	8,389	9,386	9,166	9,050	8,873	8,325	7,577	8,092	7,583	7,090	7,557	8,157	9,391	10,407	10,829	10,471	9,510	10,010	10,898	11,667	10,452	10,337	10,308	7,992	8,425	5,215	7,374	4,032
Mn Art	CR 424 (Alabama Ave/Apopka Blvd)	US 441 to 6th St	CITY	670	670	2,343	2,366	2,462	2,496	2,576	2,657	3,010	2,700	3,419	4,651	2,353	2,478	3,251	3,844	3,814	2,081	4,250	4,900	11,111	9,757	2,474	2,146	2,580	2,293	N.C.	2,457	2,678	2,788	2,779	2,763	3,986	2,436	3,491
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Keene Rd to McCormick Rd	COUNTY	585	(32, 7004)*	17,569	17,128	16,241	15,366	14,423	13,481	14,974	14,508	14,831	13,945	13,302	12,899	12,077	11,890	11,419	10,569	10,788	10,444	12,002	11,334	7,760	12,454	11,890	12,197	12,338	13,782	13,193	11,754	---	---	---	---
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	M. Gladden Blvd to Cleveland St	COUNTY	328.1	328*	10,985	11,280	11,410	11,186	10,988	10,791	11,507	11,360	12,219	10,674	10,442	9,551	8,776	9,028	8,444	8,350	9,754	8,582	10,264	10,704	9,801	9,657	12,799	10,329	10,204	8,329	10,040	11,151	11,323	9,534	11,829	10,355	8,416
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Votaw Rd to Orange St	COUNTY	426	426*	22,457	21,149	22,946	22,719	22,690	22,661	22,830	22,536	23,636	23,842	21,855	22,406	21,130	18,979	22,458	23,278	22,742	22,388	24,347	24,888	25,616	24,421	24,778	21,384	23,062	19,600	20,080	19,972	20,417	20,333	20,660	15,482	14,500
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Welch Rd to Sandpiper Rd	COUNTY	21	21*	25,667	26,426	24,859	24,135	23,950	23,766	24,272	23,827	24,393	21,222	22,029	21,530	21,075	22,035	23,240	23,361	21,435	22,211	22,299	23,771	21,724	21,844	19,290	16,176	16,999	16,499	16,816	16,079	14,598	14,416	12,639	11,565	15,131
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Ponkan Rd to Welch Rd	COUNTY	19	19*	24,048	24,063	23,417	23,080	25,429	27,778	24,304	20,180	24,207	22,072	19,585	20,930	18,786	19,287	22,625	22,004	18,894	21,817	22,682	24,614	20,868	20,611	23,624	CST	17,417	18,701	16,681	15,961	15,590	12,208	13,236	13,985	13,385
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	McCormick Rd to Clarcona-Ocoee Rd	CITY	7004	7004	15,230	21,455	21,234	33,275	24,330	15,386	16,178	15,659	16,393	15,286	14,159	13,962	11,792	13,290	11,119	11,804	11,905	12,188	13,239	11,719	12,490	11,525	15,841	N/A	12,045	12,616	13,756	14,847	12,700	---	---	---	---
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Sandpiper Rd to Votaw Rd	CITY	516	516	22,569	23,228	23,164	25,324	23,009	20,693	23,717	22,852	22,978	21,998	21,560	20,280	19,095	19,958	19,995	20,702	20,907	21,121	21,808	22,662	23,837	21,898	22,251	20,412	18,017	19,253	19,645	17,648	17,109	---	---	---	---
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	US 441 to M. Gladden Blvd	CITY	563	563	11,434	12,123	12,626	13,503	13,725	13,948	14,548	13,181	15,028	15,230	13,011	12,582	12,258	11,017	12,347	11,113	11,698	12,203	12,951	12,305	12,212	13,252	13,283	12,023	12,552	11,798	13,555	13,721	12,991	10,743	15,538	13,202	13,082
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Orange St to US 441	CITY	580	580	25,032	22,581	21,980	18,203	20,643	22,501	23,481	14,974	14,508	14,831	13,945	13,302	12,899	12,077	11,890	11,419	10,569	10,788	10,444	12,002	11,334	7,760	12,454	11,890	12,197	12,338	13,782	13,193	11,754	---	---	---	---
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Cleveland St to Keene Rd	COUNTY	564	7005*	10,441	10,738	10,272	10,170	9,795	9,420	10,208	10,196	10,976	10,546	9,869	9,118	8,949	9,044	8,067	7,916	8,207	7,891	9,381	8,287	8,119	8,552	8,589	8,159	9,293	8,439	9,601	11,557	9,310	7,903	9,194	9,027	6,953
Mn Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Kelly Park Rd to Ponkan Rd	COUNTY	18.1	18*	16,860	20,071	20,037	17,241	17,409	17,577	17,338	17,102	18,129	18,122	16,751	16,123	15,434	15,315	16,453	15,730	15,664	11,313	CST	19,573	12,590	12,461	10,723	17,651	15,110	14,637	16,085	14,715	12,242	---	---	---	---
Mn Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Harmon Rd to Bradshaw Rd	CITY	27	27*	14,653	12,965	14,873	14,581	13,983	13,385	11,436	9,844	9,158	8,741	7,581	8,554	5,857	5,630	5,202	5,596	5,297	4,998	6,198	5,561	5,339	5,357	6,771	5,159	5,166	5,032	7,419	6,030	5,934	4,398	6,150	6,137	6,629
Mn Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Bradshaw Rd to Alston Bay Blvd	COUNTY	7083	7083*	9,980	8,045	8,045	7,110	6,178	5,538	6,888	6,637	5,166	5,430	4,220	3,425	3,707	3,425	3,707	3,644	3,325	4,170	4,612	4,388	3,795	3,879	3,935	5,290	8,050	4,775	4,635	5,484	5,276	5,056	---	---	---
Mn Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Alston Bay Blvd to Harmon Rd	COUNTY	559	(27, 29)*	14,716	13,258	14,045	12,831	11,875	10,919	10,768	6,562	6,187	6,027	7,136	5,188	6,106	5,131	12,413	5,795	11,361	5,071	6,083	5,400	4,336	4,247	4,815	4,094	4,524	4,195	5,400	5,690	4,952	4,525	4,869	4,810	5,513
Mn Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Keene Rd to Alston Bay Blvd	CITY	29	29	15,179	14,503	14,014	12,799	13,119	13,440	11,626	9,236	6,734	6,547	5,635	6,714	7,640	8,027	12,952	6,373	6,049	4,862	5,324	5,722	5,672	---	---	---	---	---	---	---	---	---	---	---	---
Mn Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Binion Rd to Keene Rd	CITY	702	702	16,693	16,455	16,154	15,460	15,843	16,225	14,135	11,914	11,902	11,072	7,964	8,186	7,640	8,027	12,952	6,373	6,049	4,862	5,324	5,722	5,672	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Christiana Ave	Monroe Ave to US 441	CITY	520	520	2,166	2,492	1,980	1,746	1,825	1,904	2,170	2,197	2,154	2,162	2,149	1,991	1,689	2,034	2,082	2,034	2,082	2,034	2,285	3,442	2,762	1,762	4,129	2,073	2,843	N.C.	N.C.	2,252	3,737	---	---	---	---
Mn Coll	Cleveland St	Park Ave to Sheeler Rd	CITY	655	655	1,761	1,783	1,808	1,861	1,839	1,816	1,960	2,034	2,006	2,008	2,279	2,309	1,758	1,819	2,007	2,081	1,878	2,003	3,198	2,514	1,882	2,247	1,779	2,537	2,092	2,066	2,510	2,272	2,226	---	---	---	---
Mn Coll	E 5th Street	S Central Ave to Park Avenue	CITY	414	414	2,117	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Edgewood Dr	Monroe Ave to US 441	CITY	408	408	5,010	4,969	4,441	5,018	3,562	2,106	2,281	2,507	2,458	2,490	2,201	2,255	2,321	2,350	2,182	2,111	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Errol Pkwy	Lake Pointe Dr to Lake Alden Dr	CITY	508	508	2,351	2,395	2,487	2,487	2,375	2,507	2,526	2,577	2,442	2,290	2,283	2,179	2,616	2,593	2,800	2,816	2,711	2,568	2,841	2,587	2,677	2,527	2,400	2,428	2,021	1,803	2,011	3,083	3,516	3,233	3,268	3,521	---
Mn Coll	Errol Pkwy	Lake Alden Dr to Old Dixie Hwy	CITY	509	509	4,014	4,019	4,048	4,029	4,093	4,157	4,177	3,969	7,760	7,508	7,633	7,349	7,378	7,780	4,174	7,562	7,729	7,166	3,873	3,774	4,669	4,994	5,354	5,367	3,084	4,509	3,499	2,957	3,150	3,023	---	---	---
Mn Coll	Errol Pkwy	Old Dixie Hwy to US 441	CITY	541	541	6,954	7,934	8,222	9,886	9,148	8,409	9,012	8,027	6,849	6,464	8,186	6,271	6,710	9,166	8,078	7,607	7,440	6,833	7,575	7,200	6,405	6,282	5,217	3,768	---	---	---	---	---	---	---	---	---
Mn Coll	General Electric Rd	Hermit Smith Rd to Orange Ave	CITY	931	931	2,195	2,159	1,966	2,012	1,697	1,382	1,003	679	786	755	532	393	390	395	410	354	415	466	800	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Golden Gem Rd	Kelly Park Rd to Sadler Rd	CITY	909	909	1,843	1,330	1,160	420	331	294	263	328	306	989	716	243	230	192	160	700	5,236	1,194	2,199	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Golden Gem Rd	Sadler Rd to Ponkan Rd	CITY	910	910	1,108	846	698	387	313	239	263	328	306	989	716	243	230	192	160	700	5,236	1,194	2,199	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Greenacre Rd	Piedmont-Wekiwa Rd to Nat Rd	CITY	820	820	3,762	3,949	4,154	4,040	4,697	5,353	4,558	3,833	4,243	4,368	2,395	3,589	3,150	2,503	2,813	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Haas Rd	Plymouth-Sorrento Rd (CR 437) to Mt Plymouth Rd	CITY	920	920	1,440	1,356	1,239	1,176	1,028	880	739	788	1,338	1,325	677	606	546	597	501	581	595	642	575	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Harmon Rd	Binion Rd to Ocoee-Apopka Rd	CITY	972	972	5,426	4,672	4,482	3,266	2,620	1,973	1,634	1,293	886	432	552	524	388	279	CST	CST	770	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Harmon Road	Ocoee Apopka Road to Marden Road	CITY	975	975	4,050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Hawthorne Ave	Ocoee-Apopka Rd to 13th St	CITY	561	561	1,129	1,163	1,251	1,219	1,406	1,593	1,613	1,667	1,584	1,474	1,403	1,461	1,345	1,407	1,329	1,259	1,341	1,337	1,526	1,640	1,655	1,719	1,683	1,490	1,640	2,902	1,716	2,079	1,955	2,186	2,394	1,878	1,445
Mn Coll	Hawthorne Ave	US 441 to Ocoee-Apopka Rd	CITY	562	562	1,084	1,113	1,235	1,235	1,552	1,845	1,906	1,858	1,457	1,724	1,645	1,461	1,163	1,286	1,818	1,557	1,557	1,917	1,465	1,890	1,429	1,578	1,719	1,468	1,669	1,683	1,841	1,747	1,609	1,346	---	---	---
Mn Coll	Hermit Smith Rd	US 441 to General Electric Rd	CITY	950	950	2,821	2,689	2,401	2,425	1,903	1,380	1,169	953	1,000	665	691	859	525	555	509	1,013	1,107	1,226	1,750	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Hermit Smith Rd	Plymouth-Sorrento Rd (CR 437) to US 441	CITY	951	951	991	1,022	1,009	1,100	998	895	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Hermit Smith Rd	General Electric Rd to US 441	CITY	952	952	215	261	301	356	384	411	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Highland Ave	US 441 to 6th St	CITY	406	406	898	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Highland Ave	Monroe Ave to US 441	CITY	405	405	1,267	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Hogshead Rd	Hermit Smith Rd to Conrad Rd	CITY	973	973	1,313	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Jason Dwelley Pkwy	Kelly Park Rd to Spinfisher Dr	CITY	956	956	3,869	3,527	3,193	3,055	2,416	1,777	2,181	2,139	2,568	2,369	2,089	1,743	1,841	1,803	1,431	1,844	1,593	1,277	2,613	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Jason Dwelley Pkwy	Spinfisher Dr to Wild Dahlia Dr	CITY	958	958	2,684	2,760	2,613	2,534	2,416	1,777	2,181	2,139	2,568	2,369	2,089	1,743	1,841	1,803	1,431	1,844	1,593	1,277	2,613	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Jason Dwelley Pkwy	White Dahlia Dr to Ponkan Rd	CITY	960	960	2,910	2,745	2,584	2,578	2,178	1,777	2,181	2,139	2,568	2,369	2,089	1,743	1,841	1,803	1,431	1,844	1,593	1,277	2,613	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mn Coll	Keene Rd	Clarcona Rd to Sheeler Rd	COUNTY	7090	7090*	10,392	10,149	10,605	10,193	9,828	9,463	9,407	9,061	9,381	6,163	7,784	8,174	7,990	8,991	7,402	6,247	6,157	5,287	5,507	5,808	6,651	5,531	2,183	N.C.	3,164	N.C.	N.C.	1,888	1,609	---	---	---	---
Mn Coll	Keene Rd	Ocoee-Apopka Rd to Marden Rd	COUNTY	930	8066*	5,029	5,318	5,358	5,305	5,317	5,330	4,896	4,054	3,758	3,463	2,841	3,909	2,959	3,389	2,475	2,298	2,203	2,101	2,742	4,051	2,873	2,310	3,069	N/A	2,053	5,086	1,997	N/A	2,289	---	---	---	---
Mn Coll	Keene Rd	Marden Rd to Clarcona Rd	CITY	568	568	6,057	6,002	6,151	6,158	5,028	5,570	5,530	5,333	5,016	4,666	4,217	4,674	3,246	2,844	3,022	2,873	6,069	N/A	3,245	3,880	3,769	N/A	3,086	1,997	N/A	3,086	1,997	N/A	2,289	---	---	---	---
Mn Coll	Kelly Park Rd	Mt. Plymouth Rd to Rock Springs Rd	COUNTY	12.1	12*	12,469	11,679	11,320	8,967	9,904	10,842	10,700	10,431	11,242	3,229	10,376	9,600	9,761	9,778	9,145	10,241	10,036	9,831	11,627	4,034	3,280	3,638	3,993	N/A	3,573	3,451	3,565	3,904	4,454	---	---	---	---
Mn Coll	Kelly Park Rd	SR 429 to Plymouth-Sorrento Rd (CR 437)	COUNTY	10.1	9*	11,819	11,327	11,768	11,887	10,354	8,821	10,103	10,392	5,677	2,901	2,921	2,944	2,830	2,629	2,515	2,496	2,545	2,568	3,748	2,465	2,292	2,310	3,069	2,601	2,053	5,086	1,997	N/A	2,289	0	0	0	0
Mn Coll	Kelly Park Rd	Jason Dwelley Pkwy to Mt. Plymouth Rd	CITY	12	12	5,749	5,911	5,901	5,891	6,138	6,385	5,258	5,110	6,833	4,717	5,059	4,771	4,944	3,444	3,193	3,474	3,410	3,359	5,920	4,034	3,280	3,638	3,993	N/A	3,573	3,451	3,565	3,904	4,454	---	---	---	---
Mn Coll	Kelly Park Rd	Round Lake Rd to SR 429	CITY	9.1	9.1	10,679	10,201	10,603	10,144	9,603	9,062	8,606	8,424	4,254	6,597	6,546	6,227	6,273	5,920	5,567	5,214	5,086	4,958	6,296	4,493	2,575	2,545	2,689	2,601	2,053	5,086	1,997	N/A	2,289	---	---	---	---
Mn Coll	Kelly Park Rd	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	9	9	7,405	7,237	6,835	6,982	6,108	5,233	5,236	5,297	5,896	4,021	3,898	3,616	3,599	3,278	3,089	3,531	3,332	3,228	4,875

City of Apopka
2025 CMS Tables
Historical ADT Volumes

Min Art	Plymouth-Sorrento Rd	Kelly Park Rd to Appy Ln	CITY	544	544	7,570	7,104	6,926	6,244	6,389	6,535	6,465	6,298	10,542	11,640	10,200	9,536	9,016	8,672	7,901	7,775	7,733	7,068	7,978	8,589	7,893	7,764	10,631	8,247	6,896	---	---	---	---	---	---	---	---
Min Art	Plymouth-Sorrento Rd	Ponkan Rd to Lester Rd(Yothers Rd	COUNTY	10	10*	11,360	9,794	9,550	9,272	7,987	8,661	8,066	8,264	9,572	13,134	12,106	10,883	10,171	8,435	8,323	8,743	8,730	9,241	9,960	10,742	9,047	8,963	9,232	10,557	6,982	8,080	6,276	6,505	6,310	5,493	6,295	8,121	5,000
Min Coll	Ponkan Rd	Plymouth-Sorrento Rd (CR 437) to Vick Rd	COUNTY	8115	(13, 14)*	5,264	5,216	4,881	4,410	4,423	4,436	4,721	4,787	4,637	5,215	5,063	4,927	4,013	4,919	3,924	3,036	3,430	3,458	5,389	3,687	4,730	3,602	3,410	2,312	N.C.	3,252	2,505	2,457	2,334	2,560	2,736	2,355	1,000
Min Coll	Ponkan Rd	Round Lake Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	13	(13, 14)*	5,412	5,274	4,198	4,240	4,208	4,176	4,535	4,564	4,955	4,345	3,830	3,274	3,354	3,380	3,191	3,070	3,223	3,216	5,077	3,893	3,802	3,230	4,503	2,977	N.C.	3,128	3,016	2,944	2,860	---	---	---	---
Min Coll	Ponkan Rd	Vick Rd to Rock Springs Rd	COUNTY	326	326*	5,495	5,468	5,396	5,451	5,192	4,933	5,520	5,442	4,930	4,245	3,758	3,726	4,949	4,757	5,158	4,967	4,874	4,277	4,563	4,612	3,720	4,163	2,596	3,755	3,178	3,375	3,269	2,803	2,177	---	---	---	---
Min Coll	Rock Ridge Blvd	Rock Springs Rd to Haddington Ct	CITY	540	540	3,811	2,736	2,951	668	2,696	4,724	4,579	4,912	5,274	5,475	5,576	4,767	5,115	5,335	5,858	5,365	5,236	4,833	6,023	N.C.	6,014	5,617	4,718	---	---	---	---	---	---	---	---	---	---
Min Coll	Roger Williams Rd	US 441 to SR 436	CITY	613	613	3,142	3,619	3,549	4,608	3,666	2,725	3,048	3,115	3,269	3,483	3,182	3,008	3,187	2,829	2,819	2,807	3,003	N.C.	N.C.	N.C.	3,400	3,207	3,427	N.C.	3,104	N.C.	N.C.	3,256	3,645	---	---	---	---
Min Coll	Rogers Rd	Lester Rd to Gray Stone	CITY	976	976	1,979	2,128	1,921	2,103	1,847	1,591	429	405	381	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Round Lake Rd	Sadler Ave to Kelly Park Rd	COUNTY	8	8*	6,993	6,177	5,496	5,552	5,217	4,882	5,103	4,888	3,985	4,544	4,182	3,833	3,768	3,304	4,105	3,837	3,340	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Round Lake Rd	Ponkan Rd to Sadler Ave	COUNTY	8067	(8, 8067)*	4,891	4,310	3,880	2,246	2,258	2,270	2,209	2,189	4,540	3,122	2,398	2,372	3,766	3,304	4,105	3,837	3,340	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Round Lake Rd	Ondich Rd to Lake County Line	COUNTY	8178	6*	4,020	4,209	4,085	3,807	3,714	3,620	2,259	2,970	6,611	3,809	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Round Lake Rd	Kelly Park Rd to Ondich Rd	COUNTY	6	6*	4,020	4,209	4,085	4,126	4,390	4,655	4,247	3,606	2,284	4,071	3,630	3,471	3,438	3,168	5,173	4,656	2,971	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	SR 429 Connector	US 441 to Plymouth-Sorrento Rd (CR 437)	CITY	980	980	18,213	17,809	17,397	17,005	16,575	16,144	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	SR 429 Connector Road	US 441 to Plymouth Sorrento Road	CITY	3	3	19,094	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maj Art	SR 436 (Semoran Blvd)	Thompson Rd to Roger Williams Rd	CITY	608	608	41,214	42,124	42,950	43,352	44,940	46,529	45,322	41,156	39,920	37,235	43,213	33,967	34,150	33,720	35,070	34,504	34,709	36,769	38,360	39,235	39,372	36,541	35,340	28,422	CST.	CST.	32,951	33,462	33,947	35,872	36,221	36,249	33,622
Maj Art	SR 436 (Semoran Blvd)	US 441 to Sheeler Rd	FDOT	607	295	44,429	43,766	44,685	43,454	22,500	25,690	CST.	25,558	24,540	23,804	24,039	22,982	21,440	21,263	22,888	22,972	23,221	23,971	25,981	24,426	26,470	24,756	24,419	19,123	CST.	CST.	20,009	20,117	20,187	29,266	32,652	30,906	21,031
Maj Art	SR 436 (Semoran Blvd)	Sheeler Rd to Thompson Rd	FDOT	620	295	44,429	43,766	44,685	43,454	31,500	36,022	35,576	34,797	34,334	33,520	33,464	29,827	29,188	29,133	29,243	29,765	30,338	31,427	34,158	34,384	33,723	31,095	30,388	22,950	CST.	CST.	30,483	22,402	22,695	---	---	---	---
Maj Art	SR 436 (Semoran Blvd)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	621	295*	44,429	43,766	44,685	45,136	42,023	38,910	45,609	45,098	45,651	41,909	42,004	38,728	36,104	36,292	36,886	36,970	36,789	37,088	41,723	42,813	40,356	42,068	39,491	29,103	CST.	CST.	34,847	38,659	37,119	---	---	---	---
Maj Art	SR 436 (Semoran Blvd)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	622	5*	56,304	56,057	59,612	57,876	56,419	54,962	57,438	56,719	57,425	56,220	58,406	51,843	49,818	49,679	50,188	47,989	51,421	53,464	55,859	55,942	48,410	52,339	50,554	47,838	47,337	CST.	47,710	47,123	46,426	---	---	---	---
Min Coll	Sandpiper Rd	Ustler Rd to Thompson Rd	CITY	601	601	5,175	5,075	5,278	4,860	5,540	6,220	6,219	6,220	5,880	5,597	5,049	5,091	4,605	5,187	5,173	4,656	4,739	5,115	5,340	5,298	4,981	4,610	3,436	3,799	3,660	3,498	3,668	2,455	1,713	---	---	---	---
Min Coll	Sandpiper Rd	Park Ave to Ustler Rd	CITY	600	600	4,129	4,027	4,199	3,863	4,386	4,310	5,088	6,111	4,868	4,738	3,828	4,371	3,842	4,288	4,105	3,837	3,832	4,210	4,391	4,216	3,796	3,700	4,280	3,450	2,829	2,739	3,114	2,391	1,614	---	---	---	---
Min Coll	Schopke-Lester Rd	Lester Rd to Old Dixie Hwy	CITY	507	507	3,864	3,736	3,598	3,543	3,295	3,059	3,140	3,139	3,202	3,718	3,416	2,940	2,587	2,863	2,700	2,409	CST.	CST.	2,164	2,079	1,373	1,358	1,204	600	1,156	1,231	1,788	1,717	1,661	1,198	1,355	1,755	1,123
Min Coll	Sheeler Oaks Dr	Sheeler Rd to Saddleback Ridge	CITY	701	701	2,015	1,990	1,992	1,963	1,970	1,977	2,050	2,138	2,144	2,367	2,161	2,030	1,995	1,883	1,832	1,870	2,170	2,061	2,289	N.C.	2,387	2,600	2,373	N.C.	2,549	N.C.	N.C.	2,477	2,632	---	---	---	---
Min Art	Sheeler Rd	Cleveland St to Keene Rd	CITY	656	656	8,522	8,432	8,923	7,560	9,960	12,360	10,140	7,756	6,941	6,711	5,155	6,011	5,696	5,707	5,443	5,042	7,339	5,608	8,005	7,013	6,181	6,118	8,299	8,148	7,014	6,225	8,243	5,308	5,612	---	---	---	---
Min Art	Sheeler Rd	US 441 to Apopka Blvd	COUNTY	7006	7006*	10,417	10,142	9,957	9,667	9,443	9,219	8,023	9,664	9,650	9,087	8,846	8,962	8,958	9,055	7,977	8,020	8,279	9,152	9,747	9,995	9,488	10,814	12,594	10,585	11,808	10,327	12,296	11,800	11,778	10,320	11,625	11,561	8,617
Min Art	Sheeler Rd	SR 436 to US 441	CITY	605	605	9,915	9,766	10,052	9,609	10,335	11,081	11,625	12,073	10,677	9,188	9,548	9,081	9,002	8,916	9,369	8,863	9,304	11,379	12,242	11,644	12,257	11,518	10,915	12,072	11,122	11,002	11,278	10,873	10,801	9,650	10,479	9,653	9,529
Min Art	Sheeler Rd	Apopka Blvd to Cleveland St	COUNTY	7007	7007*	11,054	9,637	9,957	9,667	10,025	10,384	10,144	9,820	9,683	9,290	8,944	9,368	8,476	8,634	8,188	8,360	8,546	9,377	10,260	10,520	9,998	9,965	12,618	10,989	10,699	9,126	10,376	10,614	10,862	9,246	10,833	9,172	5,566
Min Coll	Summit St	Rock Springs Rd to Lake Ave	CITY	521	521	3,600	3,642	3,638	3,701	3,665	3,629	3,557	2,934	3,464	3,161	2,377	2,652	2,542	2,628	2,223	2,484	2,535	2,465	N.C.	N.C.	2,387	2,289	2,543	N.C.	2,523	N.C.	N.C.	2,587	3,201	---	---	---	---
Min Coll	Tanglewild St	Rock Springs Rd to Ustler Rd	CITY	611	611	1,044	1,005	1,042	931	1,076	1,222	1,230	1,220	1,343	1,407	1,358	1,222	1,063	1,330	1,205	1,286	1,426	N.C.	1,374	N.C.	1,276	1,847	1,857	N.C.	1,257	N.C.	N.C.	N.C.	432	---	---	---	---
Min Coll	Thompson Rd	Votaw Rd to SR 436	COUNTY	24	24*	11,810	11,556	11,716	11,834	11,147	10,460	12,071	11,872	9,123	10,094	9,975	10,004	9,235	9,112	8,581	8,778	8,491	9,498	9,950	8,912	9,082	12,129	8,620	8,679	7,356	7,874	8,094	8,462	8,252	9,698	10,576	9,176	8,126
Min Coll	Thompson Rd	Welch Rd to Votaw Rd	COUNTY	429	429*	10,254	10,517	10,617	10,308	10,657	11,007	11,508	9,775	9,956	10,324	10,046	8,507	9,491	9,258	9,087	8,053	8,586	9,235	9,084	9,676	8,899	8,583	8,389	9,305	7,943	8,106	3,106	3,671	4,275	7,505	7,870	7,046	5,792
Maj Art	US 441 (Orange Blossom Tr)	Bradshaw Rd to Hawthorne Ave	CITY	552	552	39,455	42,664	42,514	47,767	44,551	41,335	38,266	33,433	37,855	34,901	39,072	39,450	39,900	35,561	36,478	35,755	36,964	40,548	43,576	42,183	43,205	44,467	40,401	31,789	39,976	37,794	34,477	35,634	34,535	32,261	32,147	39,648	31,050
Maj Art	US 441 (Orange Blossom Tr)	Boy Scout Blvd to Errol Pkwy	COUNTY	82.1	82*	35,479	34,472	33,953	33,617	31,472	31,927	30,430	30,073	29,698	28,354	29,279	28,354	26,706	39,208	39,459	39,864	38,653	39,608	42,843	41,095	42,774	39,707	54,033	37,888	35,459	31,870	32,418	36,645	36,556	31,669	32,571	30,662	33,754
Maj Art	US 441 (Orange Blossom Tr)	SR 436 to Sheeler Rd	CITY	661	661	24,396	23,491	24,014	22,150	24,066	25,982	28,380	27,330	22,309	26,145	22,442	21,478	21,783	23,628	24,069	24,016	24,259	27,473	29,324	28,292	35,319	34,659	38,846	N.C.	33,764	28,904	30,326	27,243	27,295	22,524	26,426	25,706	23,148
Maj Art	US 441 (Orange Blossom Tr)	Church Dr/Yothers Rd to SR 429 Connector Rd	CITY	530	530	42,264	38,928	37,998	33,531	34,298	35,066	37,394	39,359	42,949	40,596	41,556	34,850	32,294	29,502	29,683	30,760	33,179	31,349	33,724	35,461	35,165	35,218	31,800	30,012	28,560	35,640	33,085	32,543	34,475	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	Highland Ave to Alabama Ave	CITY	609	609	49,066	41,984	41,886	29,182	37,517	45,851	47,029	46,921	48,366	48,366	45,608	43,830	41,976	43,926	44,864	45,563	45,966	45,765	52,363	50,262	48,598	53,699	48,155	41,311	43,696	42,123	43,786	45,430	44,205	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	Ponkan Rd to Church Dr/Yothers Rd	COUNTY	2.1	2*	39,306	36,259	35,621	35,268	34,750	34,231	34,225	34,459	35,151	36,687	34,515	33,778	30,858	28,488	32,475	25,129	28,825	29,389	31,553	31,370	30,939	30,719	39,990	N.C.	28,275	25,573	26,335	31,892	26,272	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	SR 429 Connector Rd to Plymouth Sorrento Rd (CR 437)	FDOT	940	2, 3	40,943	38,197	35,621	34,959	25,362	26,827	25,546	27,659	25,872	23,345	24,974	23,070	22,697	32,452	33,470	31,997	36,321	32,843	34,414	35,461	35,165	35,218	31,800	30,012	28,560	35,640	33,085	32,543	34,475	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	SR 451 to Bradshaw Rd	CITY	531	531	40,918	42,957	42,255	46,907	42,284	37,662	37,882	37,808	35,337	35,119	36,704	34,988	33,853	36,048	36,640	37,163	38,286	42,337	45,956	44,570	42,754	42,641	40,977	36,886	40,389	34,481	33,647	36,406	33,702	33,570	35,022	38,339	36,264
Maj Art	US 441 (Orange Blossom Tr)	Errol Pkwy to SR 451	FDOT	551	82*	35,479	34,472	33,953	28,488	32,500	42,841	40,407	37,524	38,707	35,670	37,365	35,685	33,849	46,591	45,495	47,466	47,192	47,120	48,795	47,538	49,273	49,359	42,919	37,639	40,389	34,481	33,647	36,406	33,702	33,570	35,022	38,339	36,264
Maj Art	US 441 (Orange Blossom Tr)	Central Ave to Park Ave	FDOT	5099	5099*	38,855	37,823	N/A	38,119	31,472	41,089	39,849	37,822	38,688	35,149	44,735	35,286	40,366	34,333	36,670	31,667	27,147	38,647	43,905	42,974	45,402	47,870	43,837	53,199	36,116	37,663	CST.	42,179	43,084	34,240	41,432	36,908	36,596
Maj Art	US 441 (Orange Blossom Tr)	Hawthorne Ave to Central Ave	FDOT	287	5099*	38,855	37,823	N/A	38,119	27,500	46,312	43,651	35,774	36,457	37,902	40,802	35,256	33,589	36,195	36,758	36,227	36,348	40,860	42,998	41,957	43,626	42,242	44,342	34,899	38,789	36,603	34,053	35,949	35,674	33,241	41,260	37,689	34,407
Maj Art	US 441 (Orange Blossom Tr)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	33	33*	35,631	27,967	31,899	31,274	32,514	33,753	CST.	33,297	32,706	31,703	32,403	32,925	32,802	33,791	33,852	34,494	34,921	39,408	43,339	43,381	44,643	46,898	42,538	45,182	44,947	40,917	38,332	37,939	35,738	---	---	---	---
Min Coll	Roger Williams Rd	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	660	5096*	30,210	27,729	30,641	29,182	28,397	27,613	28,652	27,886	28,579	27,601	27,859	27,847	28,434	28,545	29,095	30,100	30,172	33,283	33,347	35,291	34,812	36,892	34,052	30,822	33,588	30,826	29,584	30,753	27,147	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	Plymouth Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	550	550	28,844	28,749	28,181	28,817	27,152	25,457	26,060	25,532	26,313	24,281	28,506	23,487	23,657	35,967	36,875	36,650	37,592	38,023	40,147	38,854	39,197	41,183	37,189	33,372	36,418	35,242	31,295	34,335	30,370	---	---	---	---
Maj Art	US 441 (Orange Blossom Tr)	Alabama Ave to SR 436	FDOT	5096	5098*	47,947	44,982	45,873	43,207	42,992	46,209	CST.	47,080	43,364	47,184	41,306	44,981	42,309	45,191	45,258	46,273	45,399	50,045	54,389	50,673	53,706	54,619	51,469	50,385	47,631	45,494	44,447	45,286	50,316	50,285	45,703	44,734	45,632
Maj Art	US 441 (Orange Blossom Tr)	Park Ave to Highland Ave	COUNTY	5098	5098*	47,947	44,982	45,873	44,537	50,579	56,621	52,398	41,568	45,758	42,433	41,575	39,614	41,019	41,427	43,018	44,118	43,282	45,884	53,212	47,438	52,563	51,453	49,717	44,045	44,543	41,966	41,951	47,193	48,203	42,599	46,883	46,688	41,451
Maj Art	US 441 (Orange Blossom Tr)	Sheeler Rd to Roger Williams Rd	COUNTY	7075	7075*	29,446	26,358	27,169	26,636	25,075	23,514	22,021	22,421	27,030	22,831	26,288	26,408	26,912	28,215	26,334	28,017	28,319	32,032	33,164	33,319	34,610	34,948	32,499	30,544	33,720	30,460	30,304	28,344	27,909	28,019	23,190	26,346	27,153
Min Coll	Ustler Rd	Welch Rd to Sandpiper Rd	CITY	610	610	1,072	947	899	728	748	768	786	752	794	911	778	973	743	902	922	915	848	953	1,146	912	977	1,528	991	946	902	964	1,011	715	780	---	---	---	---
Min Coll	Ustler Rd	Sandpiper Rd to Tanglewild St	CITY	612	612	689	798	893	1,068	1,094	1,119	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Vick Rd	Martin St to Welch Rd	CITY	502	502	13,133	13,074	12,957	12,962	12,749	12,535	12,470	12,163	14,246	13,841	11,510	10,804	9,640	9,898	8,405	9,532	8,130	9,777	9,234	7,870	7,568	6,665	5,638	5,690	4,202	3,238	2,098	791	320	---	---	---	---
Min Coll	Vick Rd	Old Dixie Hwy to Ashworth Overlook Dr	COUNTY	8150	8150*	17,324	16,715	16,394	16,560	15,534	14,509	15,928	16,163	16,121	16,450	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Vick Rd	Lester Rd to Ponkan Rd	CITY	8151	8151*	5,577	5,793	4,888	4,917	4,946	4,975	5,173	5,171	6,392	6,500	4,868	4,600	2,681	4,019	3,499	3,809	3,523	3,648	3,396	3,127	2,477	1,945	994	1,406	---	---	---	---	---	---	---	---	---
Min Coll	Vick Rd	Welch Rd to Lake Francis Dr	CITY	503	503	12,213	11,907	11,592	11,782	10,722	9,662	11,059	11,099	11,359	11,181	10,107	10,224	11,178	10,881	11,415	11,078	11,147	11,329	10,531	10,568	9,561	8,197	6,982	7,442	5,734	5,011	3,908	4,505	3,752	---	---	---	---
Min Coll	Vick Rd	Ashworth Overlook Dr to Martin St	CITY	532	532	14,883	14,680	14,673	14,656	14,369	14,081	15,318	16,163	15,958	14,293	12,674	11,980	10,908	10,022	9,096	9,217	8,981	9,022	8,934	8,261	8,450	7,087	5,740	6,180	N.C.	3,511	---	---	---	---	---	---	---
Min Coll	Vick Rd	Lake Francis Dr to Lester Rd	CITY	533	533	8,294	8,329	8,241	8,694	7,979	7,264	8,270	7,941	8,054	8,341	7,264	6,754	6,853	7,945	7,550	7,925	8,055	8,013	7,599	6,737	5,846	4,306	3,219	3,500	---	---	---	---	---	---	---	---	---
Min Coll	Vick Rd	US 441 to Old Dixie Hwy	CITY	525	525	16,163	14,992	15,376	13,756	14,813	15,870	19,346	18,162	16,843	12,438	16,387	11,069	8,746	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Vick Road	Ponkan Road to Lester Road	CITY	534	534	6,498	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Min Coll	Votaw Rd	Thompson Rd to Wekiva Springs Rd	CITY	627	627	8,699	8,733	8,893	9,149	8,977	8,804	10,121	9,892	7,888	9,016	8,412	8,594	6,969	7,668	7,011	7,098	7,860	8,024	8,334	8,520	7,661	7,812	9,408	9,315	N.C.	10,110	10,341	8,013	7,918	6,728	7,404	8,144	5,834
Min Coll	Votaw Rd	Christiana Ave to Thompson Rd	CITY	626	626	7,770	7,694	7,793	7,643	7,854	8,064	8,426	8,358	7,892	7,886	7,857	7,398	6,328	6,837	6,713	6,336	7,244	7,333	7,702	7,997	7,711	8,276	7,386	7,953	N.C.	7,113	8,278	8,152	8,752	7,022	8,571	7,437	6,473
Min Coll	Votaw Rd	Lester Rd to Christiana Ave	CITY	625	625	7,721	7,690	7,742	7,933	7,653	7,372	8,453	8,384	7,418	7,824	7,580	7,197	7,155	6,966	6,736	6,501	7,294	7,594	8,018	8,113	7,584	7,068	7,438	8,113	N.C.	7,113	8,278	8,152	8,752	7,022	8,571	7,437	6,473
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	Piedmont Lakes Blvd to US 441	CITY	606	606	32,915	30,659	30,260	27,116	28,050	28,984	31,052	32,389	32,128	27,448	28,809	26,659	25,717	24,710	24,696	25,093	27,387	25,503	27,381	28,218	28,326	28,074	26,585	25,170	24,622	24,844	23,255	20,783	21,798	13,883	UC.	14,485	6,009
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	Welch Rd to Votaw Rd	CITY	799	(799, 798)*	12,884	12,722	12,995	10,883	11,579	12,275	12,254	10,728	12,053	11,920	11,507	15,729	11,662	11,692	11,441	11,933	16,667	16,928	17,468	N.C.	16,238	19,246	19,297	18,200	15,308	15,930	17,302	14,034	12,514	8,746	12,227	11,584	6,160
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	Votaw Rd to SR 436	CITY	25	25*	25,310	22,033	21,929	22,151	21,573	20,996	24,363	24,116	24,702	23,546	23,591	22,487	23,835	22,219	22,287	22,871	23,672	24,174	26,284	26,315	25,301	25,869	26,185	25,357	25,742	26,809	24,239	24,435	23,680	UC.	17,559	17,228	12,443
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	SR 436 to Piedmont Lakes Blvd	COUNTY	330	330*	31,493	28,256	29,785	29,201	30,340	31,475	32,053	31,343	30,428	29,098	26,964	26,376	25,972	26,006	26,275	26,385	26,416	26,553	28,897	28,934	27,963	28,602	27,918	24,914	25,260	23,977	26,323	21,697	20,914	19,043	UC.	14,060	10,996
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	US 441 to CR 424 (Apopka Blvd)	COUNTY	331	331*	25,735	26,107	23,088	22,416	23,566	24,718	23,012	22,767	21,969	20,691	23,571	18,794	18,099	17,489	18,095	15,408	20,117	19,948	20,786	26,085	20,827	20,762	21,609	15,467	13,360	12,518	11,274	9,573	9,084	8,514	6,711	6,480	3,635
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	CR 424 (Apopka Blvd) to SR 414	COUNTY	222	7115*	23,156	22,295	22,550	21,893	20,831	19,769	22,136	22,268	20,675	19,021	19,336	16,396	16,384	17,309	14,291	15,326	18,264	17,881	21,253	N.C.	16,286	16,251	2,341	---	---	---	---	---	---	---	---	---	---
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	Bergs Rd to Clarcona-Ocoee Rd	COUNTY	65	65*	24,930	26,790	24,020	23,320	23,400	23,480	24,423	23,936	23,138	22,474	22,484	19,931	18,830	19,381	19,182	20,009	19,759	18,989	16,873	20,518	22,747	19,147	2,341	---	---	---	---	---	---	---	---	---	---
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hawassee Rd	SR 414 to Bergs Rd	CITY	223	223	25,932	25,724	25,

City of Apopka
2025 CMS Tables
FDOT Trend Analysis

Class	Roadway	Segment	Source	2022 Station	2025 Station	Historical Daily Volumes					Annual	FDOT Trends Analysis		
						2025	2024	2023	2022	2021	Trend	RSQ	Slope	Intercept
Min Coll	10th St	Alabama Ave to Sheeler Ave	CITY	411	411	467	469	475	471	485	-0.81%	0.7106	-3.8	8,161
Min Coll	13th St	Ocoee-Apopka Rd to Park Ave	CITY	840	840	3,017	2,871	2,771	2,697	2,488	4.08%	0.9726	123.2	-246,465
Min Coll	13th St	Park Ave to Apopka Blvd	CITY	841	841	3,788	3,692	3,642	3,639	3,450	1.92%	0.8757	72.9	-143,835
Min Coll	2nd St (Monroe Ave)	Central Ave to Park Ave	CITY	401	401	897	947	994	1,025	1,100	-5.40%	0.9841	-48.4	98,906
Min Coll	5th St	Park Ave to Highland Ave	CITY	403	403	1,778	2,708	2,836	3,921	3,818	-29.77%	0.8974	-529.3	1,073,786
Min Coll	6th St	Park Ave to Alabama Ave	CITY	650	650	2,283	3,126	3,084	4,585	3,556	-17.54%	0.5679	-400.5	813,538
Min Coll	6th St	Alabama Ave to US 441	CITY	410	410	1,435	1,848	1,699	2,560	1,674	-8.29%	0.194	-119	242,580
Min Coll	8th St	Park Ave to Highland Ave	CITY	404	404	3,069	4,231	4,097	6,389	4,559	-16.74%	0.4513	-513.8	1,043,886
Min Coll	9th St	Central Ave to Park Ave	CITY	333	333	3,797	4,081	4,264	4,461	4,773	-6.14%	0.9909	-233.2	476,039
Min Coll	Alabama Ave	Monroe Ave to US 441	CITY	409	409	297	336	353	366	422	-9.43%	0.9402	-28	56,999
Min Coll	Appy Ln	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	971	971	1,224	1,328	1,297	1,513	1,315	-3.00%	0.2935	-36.7	75,580
Min Coll	Binion Rd/Orange Ave	Lakeview Dr to US 441	COUNTY	554	404*	6,099	5,661	5,482	5,371	5,035	3.96%	0.953	241.8	-483,632
Min Coll	Binion Rd/Orange Ave	Boy Scout Rd to Lakeview Dr	COUNTY	553	(404, 327)*	8,813	6,769	6,579	7,452	7,061	3.20%	0.2513	282.05	-563,252
Min Coll	Binion Rd/Orange Ave	Ocoee-Apopka Rd to Harmon Rd	COUNTY	28	28*	7,282	5,535	5,553	5,391	5,000	6.47%	0.7096	470.8	-946,676
Min Coll	Binion Rd/Orange Ave	Harmon Rd to Boy Scout Rd	CITY	673	673	9,014	7,958	7,352	6,015	5,831	9.22%	0.9641	830.9	-1,673,677
Min Coll	Boy Scout Rd	Binion Rd to Ocoee-Apopka Rd	CITY	556	556	2,992	2,567	2,297	1,790	1,643	11.61%	0.9794	347.5	-700,735
Min Coll	Bradshaw Rd	US 441 to Ocoee-Apopka Rd	CITY	557	557	8,963	8,276	7,849	7,474	6,579	6.21%	0.9773	557	-1,118,983
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Hiawassee Rd to Overland Rd	COUNTY	33.1	33*	7,749	7,398	7,268	7,194	6,825	2.65%	0.9394	205.2	-407,833
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	8th St to Sheeler Rd	COUNTY	651	1008*	4,985	4,898	4,924	4,781	4,520	2.10%	0.8082	104.7	-206,987
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Overland Rd to US 441	CITY	671	671	6,157	5,953	5,856	5,888	5,437	2.44%	0.819	150.5	-298,603
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Lakeville Rd to Hiawassee Rd	CITY	658	658	12,357	12,178	12,042	12,259	11,530	1.27%	0.5862	157.3	-306,145
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	Sheeler Rd to Lakeville Rd	COUNTY	653	7033*	9,464	8,819	9,359	8,955	8,672	1.53%	0.4441	144.8	-283,877
Min Art	CR 424 (Alabama Ave/Apopka Blvd)	US 441 to 8th St	CITY	670	670	2,343	2,366	2,462	2,496	2,576	-2.54%	0.9697	-59.6	123,019
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Keene Rd to McCormick Rd	COUNTY	565	(32, 7004)*	17,509	17,128	16,247	15,366	14,423	4.53%	0.9822	793.4	-1,588,914
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	M. Gladden Blvd to Cleveland St	COUNTY	328.1	328*	10,985	11,280	11,410	11,186	10,988	0.08%	0.0056	8.8	-6,633
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Votaw Rd to Orange St	COUNTY	426	426*	22,457	21,149	22,946	22,719	22,690	-0.91%	0.202	-203.6	434,275
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Welch Rd to Sandpiper Rd	COUNTY	21	21*	25,667	26,426	24,859	24,135	23,950	2.23%	0.7537	572.5	-1,133,160
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Ponkan Rd to Welch Rd	COUNTY	19	19*	24,048	24,053	23,417	23,080	25,429	-0.74%	0.099	-178.9	385,920
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	McCormick Rd to Clarcona-Ocoee Rd	CITY	7004	7004	15,230	21,455	21,234	33,275	24,330	-19.71%	0.5204	-3002	6,096,151
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Sandpiper Rd to Votaw Rd	CITY	516	516	22,569	23,228	23,164	25,324	23,009	-1.32%	0.192	-297.6	625,504
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	US 441 to M. Gladden Blvd	CITY	563	563	11,434	12,123	12,626	13,503	13,725	-5.21%	0.9779	-596.2	1,218,795
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Orange St to US 441	CITY	580	580	25,032	22,581	22,288	18,213	20,357	5.48%	0.7186	1371.8	-2,753,457
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Cleveland St to Keene Rd	COUNTY	564	7005*	10,441	10,738	10,272	10,170	9,795	1.78%	0.7162	186	-365,995
Min Art	CR 435 (Rock Spring Rd/Park Ave/Clarcona Rd)	Kelly Park Rd to Ponkan Rd	COUNTY	18.1	18*	16,860	20,071	20,037	17,241	17,409	1.03%	0.0296	173.2	-332,060
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Harmon Rd to Bradshaw Rd	COUNTY	27	27*	14,653	12,995	14,873	14,581	13,983	-0.17%	0.0026	-24.6	63,983
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Bradshaw Rd to Park Ave	COUNTY	7083	7083*	8,980	8,043	8,193	8,032	7,775	2.70%	0.6962	242.1	-481,564
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Alston Bay Blvd to Harmon Rd	COUNTY	559	(27, 29)*	14,716	13,258	14,045	12,831	11,875	4.15%	0.7771	610.85	-1,222,405
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Keene Rd to Alston Bay Blvd	CITY	29	29	15,179	14,503	14,014	12,799	13,119	3.84%	0.8851	582.4	-1,164,272
Min Art	CR 437A (Ocoee-Apopka Rd/Michael Gladden Blvd/Central Ave)	Binion Rd to Keene Rd	CITY	702	702	16,693	16,455	16,154	15,460	15,843	1.61%	0.7613	269.5	-529,078
Min Coll	Christiana Ave	Monroe Ave to Votaw Rd	CITY	520	520	2,166	1,992	1,980	1,746	1,825	4.28%	0.8107	92.8	-185,793
Min Coll	Cleveland St	Park Ave to Sheeler Rd	CITY	655	655	1,761	1,783	1,808	1,861	1,839	-1.33%	0.8328	-23.4	49,149
Min Coll	E 5th Street	S Central Ave to Park Avenue	CITY	414	414	2,117	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Edgewood Dr	Monroe Ave to US 441	CITY	408	408	5,010	4,969	4,441	5,018	3,562	5.68%	0.5124	284.7	-571,348
Min Coll	Errol Pkwy	Lake Francis Dr to Lake Alden Dr	CITY	508	508	2,351	2,395	2,432	2,487	2,507	-1.72%	0.9861	-40.4	84,164
Min Coll	Errol Pkwy	Lake Alden Dr to Old Dixie Hwy	CITY	509	509	4,014	4,019	4,048	4,029	4,093	-0.42%	0.6868	-16.8	38,027
Min Coll	Errol Pkwy	Old Dixie Hwy to US 441	CITY	541	541	6,954	7,934	8,222	9,886	9,148	-9.12%	0.7876	-634	1,291,011
Min Coll	General Electric Rd	Hermit Smith Rd to Orange Ave	CITY	931	931	2,195	2,159	1,966	2,012	1,697	5.21%	0.8361	114.3	-229,223
Min Coll	Golden Gem Rd	Kelly Park Rd to Sadler Rd	CITY	909	909	1,843	1,330	1,057	423	331	21.33%	0.9638	393.1	-794,245
Min Coll	Golden Gem Rd	Sadler Rd to Ponkan Rd	CITY	910	910	1,108	846	698	387	313	18.49%	0.9738	204.9	-413,842
Min Coll	Greenacre Rd	Piedmont-Wekiwa Rd to Neil Rd	CITY	820	820	3,762	3,949	4,154	4,040	4,697	-5.21%	0.7724	-196.1	400,831
Min Coll	Haas Rd	Plymouth-Sorrento Rd (CR 437) to Mt Plymouth Rd	CITY	920	920	1,440	1,356	1,239	1,176	1,028	6.97%	0.9864	100.4	-201,861
Min Coll	Harmon Rd	Binion Rd to Ocoee-Apopka Rd	CITY	972	972	5,426	4,672	4,022	3,266	2,620	12.93%	0.9993	701.8	-1,415,740
Min Coll	Harmon Road	Ocoee Apopka Road to Marden Road	CITY	975	975	4,050	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Hawthorne Ave	Ocoee-Apopka Rd to 13th St	CITY	561	561	1,129	1,163	1,251	1,219	1,406	-5.40%	0.8061	-61	124,637
Min Coll	Hawthorne Ave	US 441 to Ocoee-Apopka Rd	CITY	562	562	1,084	1,113	1,232	1,235	1,393	-6.83%	0.9146	-74	150,913
Min Coll	Hermit Smith Rd	US 441 to General Electric Rd	CITY	950	950	2,821	2,689	2,401	2,425	1,903	7.44%	0.8874	210	-422,382
Min Coll	Hermit Smith Rd	Plymouth-Sorrento Rd (CR 437) to US 441	CITY	951	951	991	1,022	1,009	1,100	998	-0.93%	0.1089	-9.2	19,636
Min Coll	Hermit Smith Rd	General Electric Rd to US 441	CITY	952	952	215	261	301	356	384	-20.14%	0.993	-43.3	87,899
Min Coll	Highland Ave	US 441 to 6th St	CITY	406	406	698	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Highland Ave	Monroe Ave to US 441	CITY	405	405	1,267	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Hogshead Rd	Hermit Smith Rd to Conrad Rd	CITY	973	973	1,313	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Jason Dwelley Pkwy	Kelly Park Rd to Spinfisher Dr	CITY	956	956	3,869	3,527	3,193	3,055	2,416	8.73%	0.9593	337.8	-680,157
Min Coll	Jason Dwelley Pkwy	Spinfisher Dr to White Dahlia Dr	CITY	958	958	2,684	2,760	2,628	3,034	2,406	1.05%	0.0384	28.2	-54,346
Min Coll	Jason Dwelley Pkwy	White Dahlia Dr to Ponkan Rd	CITY	960	960	2,910	2,745	2,584	2,578	2,178	5.60%	0.8989	163.1	-327,352

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Min Coll	Keene Rd	Clarcona Rd to Sheeler Rd	COUNTY	7090	7090*	10,392	10,149	10,605	10,193	9,828	1.04%	0.3494	108.4	-209,060
Min Coll	Keene Rd	Ocoee-Apopka Rd to Marden Rd	COUNTY	930	8066*	5,029	5,318	5,358	5,305	5,317	-1.12%	0.4436	-56.3	119,160
Min Coll	Keene Rd	Marden Rd to Clarcona Rd	CITY	568	568	6,057	6,082	5,985	6,129	5,852	0.60%	0.2831	36.3	-67,414
Min Coll	Kelly Park Rd	Mt. Plymouth Rd to Rock Springs Rd	COUNTY	12.1	12*	12,469	11,679	11,320	8,967	9,904	6.29%	0.7718	784.2	-1,575,569
Min Coll	Kelly Park Rd	SR 429 to Plymouth-Sorrento Rd (CR 437)	COUNTY	10.1	9*	11,819	11,327	11,768	11,887	10,354	2.01%	0.3419	237	-468,020
Min Coll	Kelly Park Rd	Jason Dwelley Pkwy to Mt. Plymouth Rd	CITY	12	12	5,749	5,911	5,901	5,891	6,138	-1.32%	0.7364	-75.8	159,261
Min Coll	Kelly Park Rd	Round Lake Rd to SR 429	CITY	9.1	9.1	10,679	8,920	7,866	5,803	5,205	13.17%	0.9787	1406.5	-2,837,655
Min Coll	Kelly Park Rd	Plymouth-Sorrento Rd (CR 437) to Jason Dwelley Pkwy	CITY	9	9	7,405	7,237	6,835	6,982	6,108	3.85%	0.8069	284.9	-569,439
Min Coll	Kelly Park Road	SR 429 to Plymouth Sorrento Road	CITY	10.1	10.1	7,123	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Kelly Park Road	Round Lake Road to Waypointe Blvd	CITY	9002	9002	12,779	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	King St	Peterson Rd to Orange Ave	CITY	585	585	1,570	1,145	1,044	1,015	674	12.24%	0.8918	192.2	-387,731
Min Coll	Lake Ave/Marvin C Zanders Ave	US 441 to 4th St	CITY	402	402	2,252	1,968	1,946	1,440	1,752	6.79%	0.6483	152.8	-307,243
Min Coll	Lake Ave/Marvin C Zanders Ave	Martin St to Orange St	CITY	513	513	2,185	2,117	2,122	2,103	2,035	1.44%	0.8601	31.4	-61,410
Min Coll	Lake Ave/Marvin C Zanders Ave	Orange St to US 441	CITY	515	515	1,137	1,200	1,217	1,338	1,268	-3.52%	0.7016	-40	82,152
Min Coll	Lake Cortez Dr	SR 436 to Evelyn Dr	CITY	811	811	692	666	697	605	735	-0.36%	0.0067	-2.5	5,737
Min Coll	Lake Doe Blvd	US 441 to Dunn Cove Dr	CITY	1015	1015	3,559	3,551	3,591	3,552	3,638	-0.45%	0.4568	-15.9	35,744
Min Coll	Lake Francis Dr	Errol Pkwy to Vick Rd	CITY	504	504	3,159	3,185	3,210	3,331	3,214	-0.81%	0.3766	-25.6	55,009
Min Coll	Lake Francis Dr	Schopke Lester Rd to Errol Pkwy	CITY	505	505	1,173	1,156	1,164	1,173	1,141	0.40%	0.3063	4.7	-8,347
Min Coll	Lakeville Rd	Beggs Rd to Clarcona Ocoee Rd	COUNTY	67	67*	5,865	5,360	5,769	5,601	5,968	-0.76%	0.0875	-44.7	96,141
Min Art	Lakeville Rd	Apopka Blvd to Wildwood St	CITY	657	657	3,693	4,516	5,023	6,404	6,074	-18.01%	0.8903	-665	1,350,437
Min Coll	Lakeville Rd	Wildwood St to Beggs Rd	COUNTY	30	(30, 31)*	6,273	4,849	4,892	4,240	5,012	4.99%	0.4419	313.1	-628,348
Min Coll	Lester Rd	Schopke Lester Rd to Plymouth-Sorrento Rd (CR 437)	CITY	801	801	5,494	5,535	5,299	5,620	4,965	1.77%	0.3463	97.3	-191,455
Min Coll	Lester Rd	Vick Rd to Schopke Lester Rd	CITY	506	506	6,465	6,662	6,573	6,830	6,651	-0.84%	0.4064	-54	115,878
Min Coll	Lester Rd	Rock Springs Rd to Vick Rd	CITY	583	583	5,964	6,006	5,942	6,075	5,875	0.18%	0.0537	10.9	-16,078
Min Coll	Lust Rd	Binion Rd to Avian Pointe Blvd	CITY	526	526	1,666	905	838	721	361	16.77%	0.8549	279.4	-564,328
Min Coll	Magee Avenue	US 441 to E 6th Street	CITY	413	413	939	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Magee Avenue	Monroe Ave to US 441	CITY	412	412	1,864	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Marden Rd	SR 414 to Keene Rd	CITY	569	569	2,371	2,337	2,845	2,087	3,680	-9.99%	0.3525	-236.8	481,710
Min Coll	Marden Rd	Marden Ridge Lp to SR 414	CITY	560	560	6,969	5,885	5,576	3,184	4,838	9.99%	0.6141	696.3	-1,403,325
Min Coll	Marden Rd	Ocoee-Apopka Rd to Marden Ridge Lp	CITY	555	555	5,936	5,982	5,808	5,362	5,927	1.07%	0.1568	63.8	-123,264
Min Coll	Marshall Lake Rd	SR 451 to Bradshaw Rd	CITY	584	584	1,187	985	825	568	492	15.22%	0.9816	180.7	-364,745
Min Coll	Martin St	Park Ave to Lake Ave	CITY	519	519	3,019	3,094	3,121	3,465	3,089	-1.69%	0.2109	-51.1	106,533
Min Coll	Martin St	Maine Ave to Vick Rd	CITY	830	830	4,337	4,901	4,825	5,961	5,026	-5.62%	0.4234	-243.8	498,217
Min Coll	Midland Ave	US 441 to 6th St	CITY	407	407	1,322	3,643	3,539	8,044	4,663	-83.84%	0.5116	-1108.3	2,246,333
Min Coll	Monroe Ave	Park Ave to Alabama Ave	CITY	603	603	3,230	2,821	3,051	2,300	3,043	2.77%	0.1547	89.5	-178,170
Min Coll	Monroe Ave	Alabama Ave to Sheeler Rd	CITY	604	604	4,325	4,002	4,141	3,582	4,076	2.12%	0.2783	91.8	-181,686
Min Coll	Mt. Plymouth Rd	Kelly Park Rd to Haas Rd	COUNTY	17	17*	8,014	7,899	7,180	7,402	7,308	2.38%	0.6579	190.9	-378,630
Min Coll	Mt. Plymouth Rd	Haas Rd to Lake County Line	CITY	17.1	17.1	6,388	6,065	5,912	5,406	5,529	3.72%	0.884	237.7	-475,007
Min Coll	North Maine Ave	Martin St to Old Dixie Hwy	CITY	512	512	5,335	4,781	4,752	3,961	4,288	5.46%	0.7726	291.4	-584,879
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Vick Rd to Bradshaw Rd	CITY	674	674	9,644	7,682	8,335	4,155	8,135	6.79%	0.2538	654.5	-1,316,463
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Boy Scout Blvd to Errol Pkwy	CITY	510	510	5,020	3,407	3,391	480	2,410	16.23%	0.599	814.7	-1,645,197
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Errol Pkwy to Vick Rd	CITY	511	511	7,681	6,121	6,150	3,324	5,251	9.97%	0.5776	765.7	-1,543,306
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Hawthorne Ave to Park Ave	CITY	514	514	3,304	3,949	4,014	4,999	4,554	-10.74%	0.7603	-355	722,329
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Bradshaw Rd to Hawthorne Ave	CITY	518	518	5,162	4,078	4,063	2,440	3,233	10.65%	0.7239	549.6	-1,108,046
Min Coll	Old Dixie Hwy/West Highland Ave/Orange St	Plymouth-Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	582	582	2,583	2,524	2,506	2,463	2,420	1.50%	0.981	38.7	-75,791
Min Coll	Ondich Rd	Effie Dr to Plymouth-Sorrento Rd (CR 437)	CITY	817	817	833	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Ondich Rd	Round Lake Rd to Effie Dr	CITY	901	901	1,040	4,041	3,774	9,650	5,070	-131.43%	0.4751	-1366.9	2,769,954
Min Coll	Overland Rd	Apopka Rd to Beggs Rd	CITY	672	672	5,780	3,907	4,074	505	3,216	14.76%	0.4935	853	-1,722,123
Min Coll	Peterson Rd	Grand Avian Pkwy to King St	CITY	586	586	1,482	2,481	2,386	4,843	2,561	-30.50%	0.328	-452	917,147
Min Art	Plymouth-Sorrento Rd	Appy Ln to Ponkan Rd	COUNTY	11	(11, 8164)*	8,494	7,765	6,965	7,156	6,845	4.60%	0.8134	390.7	-782,941
Min Art	Plymouth-Sorrento Rd	County Line to Kelly Park Rd	COUNTY	14	14*	11,147	9,375	8,795	9,067	8,950	4.22%	0.596	470.2	-941,748
Min Art	Plymouth-Sorrento Rd	Lester Rd/Yothers Rd to SR 429 Connector Rd	CITY	542	542	11,192	10,793	10,499	10,221	9,745	3.10%	0.9911	346.6	-690,682
Min Art	Plymouth-Sorrento Rd	SR 429 Connector Rd to US 441	CITY	543	543	8,554	8,112	7,808	7,312	7,089	4.36%	0.9892	373	-746,804
Min Art	Plymouth-Sorrento Rd	Kelly Park Rd to Appy Ln	CITY	544	544	7,570	7,104	6,926	6,244	6,389	4.26%	0.8885	322.2	-644,964
Min Art	Plymouth-Sorrento Rd	Ponkan Rd to Lester Rd/Yothers Rd	COUNTY	10	10*	11,360	9,794	9,550	9,272	7,967	6.43%	0.9035	730.8	-1,468,820
Min Coll	Ponkan Rd	Plymouth-Sorrento Rd (CR 437) to Vick Rd	COUNTY	8115	(8115, 326)*	5,264	5,216	4,881	4,410	4,423	4.73%	0.9083	248.75	-498,383
Min Coll	Ponkan Rd	Round Lake Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	13	(13, 14)*	5,412	5,274	4,198	4,240	4,208	6.36%	0.7711	344.2	-691,650
Min Coll	Ponkan Rd	Vick Rd to Rock Springs Rd	COUNTY	326	326*	5,495	5,468	5,396	5,451	5,192	1.13%	0.652	62.3	-120,633
Min Coll	Rock Ridge Blvd	Rock Springs Rd to Haddington Ct	CITY	540	540	3,811	2,736	2,951	668	2,696	11.28%	0.3455	429.8	-866,913
Min Coll	Roger Williams Rd	US 441 to SR 436	CITY	613	613	3,142	3,619	3,549	4,608	3,666	-6.48%	0.3562	-203.7	415,802
Min Coll	Rogers Rd	Lester Rd to Gray Stone	CITY	976	976	1,979	2,128	1,921	2,103	1,847	1.46%	0.1466	28.9	-56,469
Min Coll	Round Lake Rd	Sadler Ave to Kelly Park Rd	COUNTY	8	8*	6,993	6,177	5,496	5,552	5,217	5.97%	0.8632	417.7	-839,120
Min Coll	Round Lake Rd	Ponkan Rd to Sadler Ave	COUNTY	8067	(8, 8067)*	4,891	4,310	3,860	2,246	2,258	14.99%	0.9208	732.85	-1,479,043
Min Coll	Round Lake Rd	Ondich Rd to Lake County Line	COUNTY	8178	6*	4,020	4,209	4,085	3,807	3,714	2.52%	0.6235	101.4	-201,165
Min Coll	Round Lake Rd	Kelly Park Rd to Ondich Rd	COUNTY	6	6*	4,020	4,209	4,085	4,126	4,390	-1.63%	0.5296	-65.7	137,077
Min Coll	SR 429 Connector	US 441 to Plymouth-Sorrento Rd (CR 437)	CITY	980	980	18,213	17,809	17,397	17,005	16,575	2.24%	0.9998	408	-807,984
Min Coll	SR 429 Connector Road	US 441 to Plymouth Sorrento Road	CITY	3	3	19,094	---	---	---	---	N/A	N/A	N/A	N/A

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Maj Art	SR 436 (Semoran Blvd)	Thompson Rd to Roger Williams Rd	CITY	608	608	41,214	42,124	42,950	43,352	44,940	-2.11%	0.9645	-868	1,798,880
Maj Art	SR 436 (Semoran Blvd)	US 441 to Sheeler Rd	FDOT	607	295	44,429	43,766	44,685	43,454	22,500	9.94%	0.5221	4417	-8,895,824
Maj Art	SR 436 (Semoran Blvd)	Sheeler Rd to Thompson Rd	FDOT	620	295	44,429	43,766	44,685	43,454	31,500	5.89%	0.5365	2617	-5,252,624
Maj Art	SR 436 (Semoran Blvd)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	621	295*	44,429	43,766	44,685	45,136	42,023	0.77%	0.2006	344.2	-652,309
Maj Art	SR 436 (Semoran Blvd)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	622	5*	56,304	56,057	59,612	57,876	56,419	-0.36%	0.0468	-204.9	471,766
Min Coll	Sandpiper Rd	Ustler Rd to Thompson Rd	CITY	601	601	5,175	5,075	5,278	4,860	5,540	-1.00%	0.105	-51.5	109,370
Min Coll	Sandpiper Rd	Park Ave to Ustler Rd	CITY	600	600	4,129	4,027	4,199	3,863	4,386	-0.85%	0.0807	-35	74,926
Min Coll	Schopke-Lester Rd	Lester Rd to Old Dixie Hwy	CITY	507	507	3,864	3,736	3,598	3,543	3,296	3.44%	0.9621	132.9	-265,249
Min Coll	Sheeler Oaks Dr	Sheeler Rd to Saddleback Ridge	CITY	701	701	2,015	1,990	1,992	1,963	1,970	0.58%	0.8158	11.7	-21,683
Min Art	Sheeler Rd	Cleveland St to Keene Rd	CITY	656	656	8,522	8,432	8,923	7,560	9,960	-2.35%	0.1322	-200.4	414,089
Min Art	Sheeler Rd	US 441 to Apopka Blvd	COUNTY	7006	7006*	10,417	10,142	9,957	9,667	9,443	2.33%	0.9967	242.3	-480,248
Min Art	Sheeler Rd	SR 436 to US 441	CITY	605	605	9,915	9,766	10,052	9,609	10,335	-0.69%	0.151	-68.3	148,106
Min Art	Sheeler Rd	Apopka Blvd to Cleveland St	COUNTY	7007	7007*	11,054	9,637	9,957	9,667	10,025	1.83%	0.3086	202.8	-400,196
Min Coll	Summit St	Rock Springs Rd to Lake Ave	CITY	521	521	3,600	3,642	3,638	3,701	3,665	-0.53%	0.6459	-18.9	41,884
Min Coll	Tanglewild St	Rock Springs Rd to Ulster Rd	CITY	611	611	1,044	1,005	1,042	931	1,076	0.10%	0.0008	1	-1,003
Min Coll	Thompson Rd	Votaw Rd to SR 436	COUNTY	24	24*	11,810	11,556	11,716	11,834	11,147	0.89%	0.3447	104.8	-200,398
Min Coll	Thompson Rd	Welch Rd to Votaw Rd	COUNTY	429	429*	10,254	10,517	10,617	10,308	10,657	-0.58%	0.2707	-59.7	131,244
Maj Art	US 441 (Orange Blossom Tr)	Bradshaw Rd to Hawthorne Ave	CITY	552	552	39,455	42,664	42,514	47,767	44,551	-3.88%	0.6274	-1529.5	3,137,569
Maj Art	US 441 (Orange Blossom Tr)	Boy Scout Blvd to Errol Pkwy	COUNTY	82.1	82*	35,479	34,472	33,953	33,617	31,472	2.50%	0.8993	886.9	-1,760,400
Maj Art	US 441 (Orange Blossom Tr)	SR 436 to Sheeler Rd	CITY	661	661	24,396	23,401	24,014	22,150	24,066	0.78%	0.1154	191.1	-362,990
Maj Art	US 441 (Orange Blossom Tr)	Church Dr/Yothers Rd to SR 429 Connector Rd	CITY	530	530	42,264	38,928	37,998	33,531	34,298	5.05%	0.893	2132.9	-4,277,453
Maj Art	US 441 (Orange Blossom Tr)	Highland Ave to Alabama Ave	CITY	609	609	49,066	41,984	41,886	29,182	37,517	7.32%	0.6055	3590	-7,222,643
Maj Art	US 441 (Orange Blossom Tr)	Ponkan Rd to Church Dr/Yothers Rd	COUNTY	2.1	2*	39,309	36,259	35,621	35,268	34,750	2.57%	0.7881	1010.9	-2,008,809
Maj Art	US 441 (Orange Blossom Tr)	SR 429 Connector Rd to Plymouth Sorrento Rd (CR 437)	FDOT	940	2, 3	40,943	38,197	35,621	34,959	25,362	8.40%	0.8524	3439.9	-6,923,901
Maj Art	US 441 (Orange Blossom Tr)	SR 451 to Bradshaw Rd	CITY	531	531	40,918	42,957	42,255	46,907	42,284	-1.63%	0.2162	-668.2	1,394,833
Maj Art	US 441 (Orange Blossom Tr)	Errol Pkwy to SR 451	FDOT	551	82*	35,479	34,472	33,953	28,488	32,500	3.37%	0.4781	1194.2	-2,382,888
Maj Art	US 441 (Orange Blossom Tr)	Central Ave to Park Ave	FDOT	5099	5099*	38,855	37,823	N/A	38,119	31,500	3.71%	0.5954	1441.4	-2,879,378
Maj Art	US 441 (Orange Blossom Tr)	Hawthorne Ave to Central Ave	FDOT	287	5099*	38,855	37,823	N/A	38,119	27,500	5.77%	0.5742	2241.4	-4,498,778
Maj Art	US 441 (Orange Blossom Tr)	Piedmont-Wekiva Rd to Seminole County Ln	COUNTY	33	33*	35,631	27,967	31,899	31,274	32,514	0.82%	0.0284	292.7	-560,275
Maj Art	US 441 (Orange Blossom Tr)	Roger Williams Rd to Piedmont-Wekiva Rd	COUNTY	660	5096*	30,210	27,729	30,641	29,182	28,397	0.72%	0.08	217.3	-410,366
Maj Art	US 441 (Orange Blossom Tr)	Plymouth Sorrento Rd (CR 437) to Boy Scout Blvd	CITY	550	550	28,844	28,749	28,181	28,817	27,152	1.15%	0.5274	331.6	-642,478
Maj Art	US 441 (Orange Blossom Tr)	Alabama Ave to SR 436	FDOT	5096	5098*	47,947	44,982	45,873	43,207	42,992	2.44%	0.8179	1168.5	-2,318,875
Maj Art	US 441 (Orange Blossom Tr)	Park Ave to Highland Ave	COUNTY	5098	5098*	47,947	44,982	45,873	44,537	50,579	-1.01%	0.0933	-481.9	1,021,667
Maj Art	US 441 (Orange Blossom Tr)	Sheeler Rd to Roger Williams Rd	COUNTY	7075	7075*	29,446	26,558	27,169	26,636	25,075	2.94%	0.7475	866.4	-1,725,750
Min Coll	Ustler Rd	Welch Rd to Sandpiper Rd	CITY	610	610	1,072	947	899	728	748	8.09%	0.9141	86.7	-174,515
Min Coll	Ustler Rd	Sandpiper Rd to Tanglewild St	CITY	612	612	669	798	893	1,068	1,094	-16.74%	0.9681	-112	227,480
Min Coll	Vick Rd	Martin St to Welch Rd	CITY	502	502	13,133	13,074	12,957	12,962	12,749	0.67%	0.897	88	-165,049
Min Coll	Vick Rd	Old Dixie Hwy to Ashworth Overlook Dr	COUNTY	8150	8150*	17,324	16,715	16,394	16,560	15,534	2.16%	0.8338	373.5	-739,085
Min Coll	Vick Rd	Lester Rd to Ponkan Rd	COUNTY	8151	8151*	5,577	5,793	4,868	4,917	4,946	3.83%	0.6123	213.8	-427,297
Min Coll	Vick Rd	Welch Rd to Lake Francis Dr	CITY	503	503	12,213	11,907	11,592	11,782	10,722	2.54%	0.7633	310.7	-616,903
Min Coll	Vick Rd	Ashworth Overlook Dr to Martin St	CITY	532	532	14,883	14,680	14,673	14,656	14,369	0.71%	0.8217	105.2	-198,167
Min Coll	Vick Rd	Lake Francis Dr to Lester Rd	CITY	533	533	8,294	8,329	8,241	8,694	7,979	0.32%	0.0268	26.5	-45,302
Min Coll	Vick Rd	US 441 to Old Dixie Hwy	CITY	525	525	16,163	14,992	15,376	13,756	14,813	2.44%	0.5039	393.6	-781,233
Min Coll	Vick Road	Ponkan Road to Lester Road	CITY	534	534	6,498	---	---	---	---	N/A	N/A	N/A	N/A
Min Coll	Votaw Rd	Thompson Rd to Wekiva Springs Rd	CITY	627	627	8,699	8,733	8,893	9,149	8,977	-1.12%	0.6958	-97.2	205,526
Min Coll	Votaw Rd	Christiana Ave to Thompson Rd	CITY	626	626	7,770	7,694	7,793	7,643	7,854	-0.15%	0.0495	-11.7	31,420
Min Coll	Votaw Rd	Park Ave to Christiana Ave	CITY	625	625	7,721	7,690	7,742	7,933	7,653	-0.14%	0.0242	-10.7	29,394
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Piedmont Lakes Blvd to US 441	CITY	606	606	32,915	30,659	30,260	27,116	28,050	4.03%	0.8422	1327.3	-2,655,328
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Welch Rd to Votaw Rd	COUNTY	799	(799, 798)*	12,884	12,722	12,995	10,883	11,579	3.45%	0.5667	444.75	-887,517
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Votaw Rd to SR 436	COUNTY	25	25*	25,310	22,033	21,929	22,151	21,573	2.91%	0.5774	735.6	-1,465,520
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 436 to Piedmont Lakes Blvd	COUNTY	330	330*	31,493	28,256	29,785	29,201	30,340	0.43%	0.0314	136.1	-245,515
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	US 441 to CR 424 (Apopka Blvd)	COUNTY	331	331*	25,735	26,107	23,088	22,416	23,566	3.12%	0.5962	802.9	-1,600,084
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	CR 424 (Apopka Blvd) to SR 414	COUNTY	222	7115*	23,156	22,295	22,550	21,893	20,831	2.18%	0.8511	505.2	-999,875
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	Beggs Rd to Clarcona-Ocoee Rd	COUNTY	65	65*	24,930	26,790	24,020	23,320	23,400	2.62%	0.5161	653	-1,296,527
Min Art	Wekiwa Springs Rd/Piedmont-Wekiwa Rd/Hiawassee Rd	SR 414 to Beggs Rd	CITY	223	223	25,932	25,724	25,664	24,350	25,949	0.52%	0.1006	134	-245,558
Min Art	Welch Rd	Ustler Road to Thompson Rd	COUNTY	7049	7049*	18,967	18,366	17,935	18,116	17,433	1.75%	0.8637	331.8	-653,068
Min Art	Welch Rd	Vick Rd to Rock Springs Rd	COUNTY	501	2017*	11,922	11,259	11,729	11,170	10,532	2.41%	0.6994	286.9	-569,076
Min Art	Welch Rd	Thompson Rd to Wekiva Springs Rd	COUNTY	22	7049*	18,967	18,366	17,935	16,195	15,679	4.61%	0.9464	874.7	-1,752,090
Min Art	Welch Rd	Rock Springs Rd to Ustler Road	CITY	624	624	18,612	18,487	18,699	18,304	18,920	-0.23%	0.0882	-43.3	106,200
Min Coll	Woodfield Oaks Dr	Arbor Way to Regal St	CITY	700	700	702	679	692	593	721	0.68%	0.0234	4.8	-9,033
Min Coll	Yothers Rd	Hermit Smith Rd to Plymouth-Sorrento Rd (CR 437)	COUNTY	8152	8152*	3,917	3,592	3,374	3,408	3,451	2.85%	0.631	111.6	-222,218
Min Coll	Yothers Rd	US 441 to Hermit Smith Rd	CITY	800	800	2,374	2,222	2,129	2,031	1,856	5.17%	0.9867	122.7	-246,100

Notes:

(*) - Per *2025 Orange County Traffic Counts Database*

REPORT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Commercially Developed Property
Cold Link Logistics
2560 W. Orange Blossom Trail
Orlando, Orange County, Florida
(Parcel No. 06-21-28-7172-02-011)

Prepared For:

Mandich Group.

J. C. Colella
Individual who performed the Phase I ESA

J. C. Colella
Individual who prepared the Phase I ESA Report

May 2025

COLELLA & ASSOCIATES, INC.
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FIGURES

FIGURE 1: SITE VICINITY AND LOCATION MAPS

FIGURE 2: PHYSICAL SETTING MAP -- 2021 APOPKA, FLORIDA USGS MAP

FIGURE 3: PHYSICAL SETTING MAP -- 2012 APOPKA, FLORIDA USGS MAP

FIGURE 4: PHYSICAL SETTING MAP -- 1953 (PHOTO-REVISED 1980) APOPKA, FLORIDA USGS MAP

FIGURE 5: PHYSICAL SETTING MAP -- 1953 (PHOTO-REVISED 1970) APOPKA, FLORIDA USGS MAP

FIGURE 6: PHYSICAL SETTING MAP -- 1953 APOPKA, FLORIDA USGS MAP

FIGURE 7: SITE MAP

APPENDICES

APPENDIX A: PHOTOGRAPHIC DOCUMENTATION

APPENDIX B: AERIAL PHOTOGRAPHS

APPENDIX C: ENVIRONMENTAL DATABASE, PHYSICAL SETTING, CITY DIRECTORY, HISTORICAL AERIALS, AND FIRE INSURANCE MAPS REPORTS, PREPARED BY ENVIRONMENTAL RISK INFORMATION SERVICES (ERIS)

APPENDIX D: ORANGE COUNTY PROPERTY APPRAISER'S INFORMATION

APPENDIX E: ENVIRONMENTAL QUESTIONNAIRE

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APPENDIX G: COLD LINK LOGISTICS PROVIDED DOUMENTS

APPENDIX H: -- FDEP REGULATORY FILE DOCUMENTS -- SITE

APPENDIX I: FDEP REGULATORY FILE DOCUMENTS -- WESTERN ADJOINING DOCUMENTS

APPENDIX J: OCEPD REGULATORY FILE DOCUMENTS -- SITE

1.0 SUMMARY

1. Colella & Associates, Inc. performed a Phase I Environmental Site Assessment (ESA) for the subject property (Site) located at 2560 W. Orange Blossom Trail in Apopka, Florida (see Figure 1), as requested by Mr. Jamie Pardo of the Mandich Group to determine its pre-sale environmental status. A Phase I ESA was performed on the Site (Parcel No. 06-21-28-7172-02-011), a commercially developed property that covered approximately 27.63 acres and was occupied by a cold storage and warehousing facility (Cold Link Logistics). Cold Lik Logistics leased portions of the buildings to Eastern Quality Foods (protein food provider) and Circet USA (telecommunications contractor) and ground storage area to Circet USA. The Phase I ESA was performed to identify recognized environmental conditions (conditions indicative of releases or threatened releases of hazardous and petroleum substances) on the Site. Colella & Associates, Inc. performed a Phase I ESA and prepared the report in accordance with the ASTM Standard E 1527-21.

2. The objective of the Phase I ESA was to determine if recognized environmental conditions (REC), conditions indicative of releases or threatened releases of hazardous and petroleum substances, exist on the Site that were associated with the on-site operations, current and historic, and/or by the operations on the adjoining and surrounding properties. To achieve this objective, the scope of services included a walk-through inspection of the Site, an inspection inside the buildings, a curbside evaluation of the adjoining and surrounding properties' land uses, a review of federal, state, and local regulatory files (environmental databases) applicable to the Site and surrounding area, a review of historical land use resources, and interviewing individuals knowledgeable of the Site.

3. Mr. Pardo authorized the Phase I ESA on April 21, 2025, and Colella & Associates, Inc. conducted the Site walk and observed the adjoining/surrounding properties' land uses on May 7, 2025. The Florida Department of Environmental Protection (FDEP) and the Orange County Environmental Protection Division (OCEPD) offices were contacted through the internet on April 22, 2025.

4. The Site was in a commercially developed area along W. Orange Blossom Trail and W. Orange Avenue in Apopka, Florida.

5. The Phase I ESA of the Site was performed in conformance with the scope and limitations of ASTM Standard E 1527-21. Any exceptions to or deletions from this assessment are described in Section 2.0 of this report. A cursory summary of the findings and conclusions is provided below. It should be recognized that details were not included or fully developed in this section and the remainder of the report and appendices must be read in its entirety for a comprehensive understanding of the information presented below.

6. The assessment has revealed the following information regarding the presence of a likely REC and/or a REC on the Site:
    - Historic Site Assessment
        - The readily available information on the historic land uses of the Site has not revealed a REC.

- Current Site Assessment
  - The readily available information of the current land uses of the Site has not revealed a likely REC or REC .
- Historic Adjoining Property Assessment
  - The readily available information about the historic land uses on the adjoining properties did not identify environmental conditions that could result in a likely REC or a REC on the Site.
- Current Adjoining Property Assessment
  - The assessment of the readily available information of the current land uses on the adjoining properties did not identify environmental conditions that could result in a likely REC or a REC on the Site.
- Historic Surrounding Property Assessment

  The readily available information of the historic land uses did not identify environmental conditions that could result in a likely REC or a REC on the Site.
- Current Surrounding Property Assessment
  - The assessment of the current land uses on the surrounding properties did not identify environmental conditions that could result in a likely REC or a REC on the Site.
- De-Minimis Conditions (Current)
  - Site -- De-minimis conditions (oil-stained areas) were noted.

7. A Controlled Recognized Environmental Condition (CREC) was not identified on the Site.

8. A Historical Recognized Environmental Condition (HREC) was not identified on the Site.

9. Business environmental risks on the Site were evaluated, and the following presents our opinion regarding any concern about their impact on the Site:
   - Current On-Site Business Activity -- No concern.
   - Historic On-Site Business Activity -- No concern.

10. Non-operational business environmental (exposure) risks, asbestos and lead, in suspect asbestos-containing building materials (ACBM) and paint coating on construction materials, respectively, and PFAS were evaluated for the Site:
    - ACBM -- Suspect ACBMs exist in the buildings. The buildings were reportedly built prior to the ban (circa 1980) on asbestos in building materials. The presence of suspect ACBM in the building is considered possible.
    - Lead-Based Paint -- The buildings had painted surfaces. The presence of lead in the observed paint coatings is considered possible because the buildings were built/maintained prior to the ban on the use of lead in paints (1980).
    - Per- and Polyfluoroalkyl Substances (PFAS) -- The Site and properties in the surrounding area were not identified in any of the EPA or FDEP PFAS databases.

11. Based on the information reviewed, the potential for vapor migration on or onto the Site does not exist.

12. The following data gaps are identified as part of this Phase I ESA:
    - The historical research did not satisfy the 5-year interval period. This inability is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. For the purposes and intent of this report, this data failure is not considered significant.
    - The user did not provide a chain of title for the Site. This is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. The environmental professional is not responsible for the acquisition of the chain-of-title.
    - All the land uses on the Site may not be identified because of the limited reasonably available resources. For the purposes and intent of this report, this data failure is considered significant, but with the absence of readily available resources, data gaps cannot be resolved.
    - The historical research did not extend to 1940. This inability is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. The earliest aerial photograph (1947) indicates that the Site and the surrounding area had citrus groves with limited commercial and rural residential development . It is our opinion that a resource is not reasonably available to address the land use(s) and possible environmental concerns before 1947. Based on the 1947 aerial, the Site and the surrounding area most likely would be primarily undeveloped with citrus groves.
13. During the performance of the Phase I ESA, general observations (non-testing) of other non-scope issues (not part of the ASTM E-1527-21) such as identifying wetlands (review of National Wetlands Inventory database), mold (visible presence), and/or water intrusion (visible presence), were provided. Other possible non-scope considerations not identified or requested were not included and Colella & Associates, Inc. is not responsible for their inclusion in the performance of the Phase I ESA. Colella & Associates, Inc. has identified the following for the Site:
    - Floodplains -- The Site is in Flood Zone “X,” outside the 100-year flood zone.
    - Wetlands -- Wetland conditions were not observed, and the U. S. Fish & Wildlife National Wetlands inventory did not show a wetland on the Site.
    - Water Intrusion -- None noted.
    - Mold -- No obvious conditions were noted.

2.0 INTRODUCTION

2.1 PURPOSE

1. A Phase I Environmental Site Assessment (ESA) was requested by Mr. Jamie Pardo of the Mandich Group for the subject property (Site) located at 2560 W. Orange Blossom Trail in Apopka, Florida (see Figure 1). The Site (Parcel No. 06-21-28-7172-02-011) covered approximately 27.63-acres and was commercially developed with an active cold storage and warehouse facility (Cold Link Logistics) with tenants (Eastern Quality Foods (protein food provider) and Circet USA (telecommunications contractor). The Phase I ESA was requested to determine the pre-sale environmental status of the Site.

2. Mr. Pardo authorized Colella & Associates, Inc. to perform the Phase I ESA on April 21, 2025.

3. The purpose of the Phase I ESA was to determine if recognized environmental conditions (REC) were associated with operations, historic and current, on the Site, and/or if environmental concerns from operations on Adjoining and/or surrounding properties resulted in a REC or likely REC on the Site. The following terms define our performance in identifying a REC as per the Standard Practice for Environmental Site Assessments, Phase I Environmental Site Assessment Process (ASTM E 1527-21):

    - Recognized Environmental Condition (REC) -- (1) The presence of any hazardous substances or petroleum products in, on, or at the subject property due to any release to the environment; (2) the likely presence of any hazardous substances or petroleum products in, on, or at the subject property due to any release or likely release to the environment; or (3) the presence of any hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.
    - De-minimis Condition-- A release that generally does not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A de minimis condition is not a REC.
    - Release -- Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment**,** including the abandonment or discharging of barrels, containers, and other closed receptacles containing any hazardous substances orpollutants, or a contaminant.
    - Environment -- Includes the navigable waters, the waters of the contiguous zone, and the ocean water and any other surface water, groundwater, drinking water supply, land surface or subsurface strata.
    - Material Threat -- Physically observable and/or obvious through documented resources that are reasonably likely to lead to a release that is threatening and might result in an impact to public health and/or the environment.
    - Historical REC (HREC) -- A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority (e.g., as evidenced by the issuance of a “No Further Action” (NFA) letter or equivalent, or meeting risk-based criteria established by regulatory authority) without subjecting the property to any required controls

(e.g., property use restrictions, activity and use limitations (AUL), institutional controls, or engineering controls).

- Controlled REC (CREC) -- A REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a "No Further Action" (NFA) letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations (AUL), institutional controls, or engineering controls).

2.2 DETAILED SCOPE OF WORK

1. The Phase I ESA included the following scope of services:
    - A visual evaluation of the Site was performed with the purpose of identifying the presence of stored, spilled, or otherwise managed hazardous and/or non-hazardous industrial or commercial grade solid/liquid substances, petroleum products (fuels and oil) and associated wastes, waste products or related visible residue such as hydrocarbon (petroleum) based materials, chemicals, or PCBs. Colella & Associates, Inc. recorded any typical surface expressions of underground storage tanks (USTs) or related holding units that may have been observed at the time of the inspection. Appendix A contains photographic documentation of the observations made during the inspection.
    - A cursory drive-by review of adjoining and surrounding properties was performed, and general land use activities were noted, as they related to a possible impact to the Site.
    - A review of past and present aerial photographs of the land usage was performed. Appendix B contains copies of portions of the aerial photographs (2025, 2019, 2013, 2007, 1999, 1990, 1987, 1978, 1969, 1954, and 1947) of the Site and surrounding area. Aerials were available through the Orange County Property Appraiser, Florida Department of Transportation (FDOT), and the University of Florida Library websites. In addition, ERIS compiled aerials (current and historic) for Colella & Associates, Inc. to use in performing the review of the Site and adjoining/surrounding properties. Appendix C contains a copy of the ERIS Historical Aerials Report.
    - A review of the federal (such as the Environmental Protection Agency, EPA) state (Florida Department of Environmental Protection, FDEP), and/or local agencies' environmental management databases was conducted. The purpose of this review was to identify the presence of facilities where fuels, oils and hazardous substances and/or materials and wastes are being stored, treated, disposed, generated, or transported and which have a registered underground storage tank (UST) and/or an aboveground storage tank (AST) on the Site and within a designated area around the Site. ERIS compiled information from numerous federal, state, and/or local databases and prepared an environmental database report for Colella & Associates, Inc. to use in performing the review. Appendix C contains a copy of the ERIS environmental database report.
    - A review of topographic, hydrologic, geologic, and soil information and water supply well locations in the area was performed. ERIS provided a Physical Setting report for Colella & Associates, Inc. to use in performing the review. Appendix C contains a copy of the ERIS Physical Setting Report.

- A review of available city directories of the past and present occupants of the Site, and of the adjoining and surrounding properties was performed to potentially identify historic land uses and the possible presence of a REC on the Site and/or an off-site environmental concern that could impact the Site. ERIS identified available city directories for the area and prepared a City Directory Report for Colella & Associates, Inc. to use in performing the review. Appendix C contains a copy of the City Directory Report.
- A review of available historic fire insurance maps was performed to potentially identify historic land uses of the Site and adjoining and surrounding properties to possibly identify the presence of an associated REC on the Site and/or an off-site environmental concern that could impact the Site. ERIS identified available fire insurance maps for the area and prepared a Fire Insurance Map Report for Colella & Associates, Inc. to use in performing the review. Appendix C contains a copy of the Fire Insurance Map Report.
- A visual inspection for business environmental (exposure) risks (asbestos and lead) as suspect asbestos-containing building materials (ACBM) and/or paint coating being lead-based, respectively, was performed because the Site was developed.
- A review (online database and/or record search request) of State and County regulatory files for registrations and violations associated with the Site and adjoining properties was performed.
- A visual inspection of the Site conditions associated with business environmental risks such as the potential of flooding, presence of wetlands, water intrusion, and mold was performed. The conditions, location, and/or the age of the associated structures were used to provide an opinion regarding the presence of a business risk. No other non-scope ASTM E1527-13/21 issue was addressed in this Phase I ESA by request from the Mandich Group, or from implication by Colella & Associates, Inc.
- Site ownership was developed from the Orange County Property Appraiser and Clerk of Court websites to determine the historic property owners and possibly the associated land uses

2. The formal governmental identification and delineation of wetlands, endangered or protected plant and animal species, or historical/archaeological sites, as well as the identification and evaluation of geological and/or geotechnical hazards were beyond this scope of work.

2.3 SIGNIFICANT ASSUMPTIONS

1. There were no significant assumptions associated with the performance of this Phase I ESA. There is a possibility that even with the proper application of described assessment methodologies there may exist conditions that could not be identified within the scope of this assessment, or which were not reasonably identifiable from the readily available information. Colella & Associates, Inc. believes that the information obtained from the readily available records, observations, aerial photographs, and interviews concerning the Site is reliable. However, Colella & Associates, Inc. cannot and does not warrant or guarantee that the information provided by all resources used in the preparation of a Phase I ESA report is accurate and/or complete. The methodologies of this assessment are not intended to produce “all-inclusive” or “comprehensive” results, but rather to provide the Mandich Group with information relating to the general environmental status of the Site as per the Standard Practice for Environmental Site Assessments, Phase I Environmental Site Assessment Process (ASTM E 1527-21).

2.4 LIMITATIONS AND EXCEPTIONS

1. Colella & Associates, Inc.'s professional services have been performed, our findings obtained, and our conclusions prepared in general accordance with customary principles and practices of environmental science and engineering reflecting the Site's conditions when observed and/or from resources reviewed. This warranty is in lieu of all other warranties either expressed or implied. Colella & Associates, Inc. is not responsible for the independent conclusions, opinions, and/or recommendations made by others based on the data presented in this report. The performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential presence of a REC associated with the Site.

2. This report (including all attached documents) shall be the sole property of Colella & Associates, Inc. until payment for services rendered has been paid in full. The client shall not have a proprietary interest in this report and attached documents until payment is made in full. Colella & Associates, Inc. has the absolute right to request the return of any and all copies of this report when nonpayment occurs.

3. It should be noted that all environmental assessments are inherently limited in the sense that conclusions are drawn from readily available information obtained from limited research and a Site evaluation.

4. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the observations and review of available resources.

5. The passage of time after the visual inspection may result in a change in the environmental characteristics at this Site and surrounding properties.

6. It should be noted that environmental concerns may be documented in public records that were not reviewed because they were not readily available.

7. No Phase I ESA can wholly eliminate uncertainty regarding the potential for REC in connection with the Site. Performance of the Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for a REC. The limitations presented herein must be considered when the user of this report formulates opinions and/or draws conclusions as to the environmental risks associated with the Site. The identification of an environmental risk may be further evaluated through additional research and/or site assessment (sampling/analysis) to reduce and/or understand the magnitude of the REC.

8. The Phase I ESA and report shall not be construed as a compliance audit.

9. The Phase I ESA has been prepared in general accordance with the procedures detailed in the current ASTM Standards on Environmental Site Assessments for Commercial Real Estate, Standard E 1527-21, except as noted below. The specialized terms, definitions of terms, and acronyms are defined in Section 3.0 of the referenced ASTM Standard.

10. In accordance with ASTM Standard E 1527-21, Colella & Associates, Inc. is utilizing the following approximate minimum search distances for conducting the Phase I ESA of the following government records to address current and historical land uses:

    - Federal National Priority List (NPL) -- 1.0 mile.
    - Federal Delisted NPL Sites -- 0.5 mile.

- Federal Sites Subject to CERCLA Removals and CERCLA Orders -- 0.5 mile.
- FEDERAL CERCLA Sites with NFRAP -- 0.5 mile.
- FEDERAL RCRA Facilities undergoing Corrective Action -- 1.0 mile.
- Federal RCRA TSD Facilities -- 0.5 mile.
- Federal RCRA Generators -- Subject property and adjoining properties.
- Federal Institutional control/engineering control Registries --Subject property.
- Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List -- 0.5 mile.
- Federal Resource Conservation Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Facilities List -- 1.0 mile.
- Federal RCRA Generators List -- Site and Adjoining properties only.
- State and tribal Brownfield Sites -- 0.5 mile.
- Federal Emergency Response Notification System (ERNS) List -- Subject property.
- Federal Institutional/Engineering Control Registry -- Subject property.
- Federal Institutional/Engineering Control Registry -- Subject property.
- Federal PFAS Concerns -- 0.5 mile
- State Institutional/Engineering Control Registry -- Subject property.
- Brownfield Sites -- 0.50 mile.
- State Lists of Hazardous Waste Sites identified for investigation or remediation (NPL & CERCLIS equivalent) -- 1.0 mile.
- State Landfill and/or Solid Waste Disposal Sites List -- 0.50 mile.
- State Leaking Underground Storage Tank (LUST) List -- 0.50 mile.
- State Registered Underground Storage Tank (UST) List -- Site and Adjoining properties only.
- State Registered Aboveground Storage Tank (AST) List -- Site and Adjoining properties only.
- State PFAS Concerns -- 0.5 mile.

2.5 SPECIAL TERMS AND CONDITIONS

1. There were no special terms and conditions associated with the performance of this Phase I ESA.

2.6 USER RELIANCE

1. This Phase I ESA report was prepared on behalf and solely for the use of the Mandich Group (and its principals). This report, and the findings contained herein, shall not, in whole or part, be disseminated or conveyed to or used by any other party without the prior written consent of Colella & Associates, Inc. and approval from Mandich Group is received. Any unauthorized party using or relying upon this Phase I ESA Report shall be liable to Colella & Associates, Inc. for equitable compensation and appropriate punitive damages, and shall be responsible to reimburse Colella & Associates, Inc. and indemnify, defend, and hold Colella & Associates, Inc. harmless from and against any and all costs, claims, liabilities, expenses, lost profits and damages arising as a direct or indirect result of such unauthorized use or reliance.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

1. Based on the information provided by Mr. Pardo, the Site (Parcel No. 06-21-28-7172-02-011) was located at 2560 W. Orange Blossom Trail in Orlando, Florida (see Figure 1), covered approximately 27.63-acres, and was commercially developed.

2. Appendix D contains a copy of the Orange County Property Appraiser's information on the Site.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

1. The Site was situated in a commercial land use area along W. Orange Blossom Trail in Apopka. The adjoining and surrounding properties land development at the time of the inspection included:
    - North -- Road followed by commercially developed properties.
    - South -- Railroad track (active) followed by commercially developed properties.
    - East -- Undeveloped (wooded or covered with ground cover) properties followed by a road followed residentially and commercially developed properties.
    - West -- Commercially developed properties.
2. Based on the Physical Setting Maps (Figures 2, 3, 4, 5, and 6), the topography of the general area had a mild slope to the southeast. The ground surface elevation was approximately 125-feet above Mean Sea Level (MSL).

3. The Site has an irregular shape with a general northwest-southeast orientation.

3.3 CURRENT USE OF THE PROPERTY

1. The Site was being used by Cold Link Logistics for dry and cold storage warehousing.

2. Cold Link Logistics also has the following tenants
    - Cold storage and offices -- Eastern Quality Foods (protein foods).
    - Ground Storage and offices -- Circet USA (telecommunications contractor).

3.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND SITE IMPROVEMENTS

1. The following structures/improvements of the Site were noted at the time of the inspection on May 7, 2025:
    - Concrete block warehouses (dry (6) and refrigerated (cooler (4) and freezer (4)) storage).
    - Office building.
    - Concrete block building Fire Pump House (fire water supply well system).
    - Railroad spur tracks.
    - Asphalt pavement.
    - Emergency generator.
    - Irrigation water well system.
    - Water supply well system.
    - Septic systems (5).
    - Buried storm water sewer system.
    - Pad-mounted transformer.

- Cyclone fence around boundary.
- Interior cyclone fenced area (eastern portion of the Site being used by Circet USA).

3.5 CURRENT USES OF ADJOINING PROPERTIES

1. The land uses of the current adjoining properties included the following:
    - North -- W. Orange Blossom Trail (4-lanes with a median) followed by undeveloped and commercially developed properties (realtor, vertical blinds, Perfect Car Corp. (used cars sales), Best Automotive (used car sales), church campus, H&M Electrical & Utilities Contractor, Getsemani Temple, Heritage, and residential).
    - South -- Railroad track (active CSX) followed by commercially developed properties (warehouses/offices (Minute Maid and Coca-Cola)).
    - East -- Undeveloped properties (tree covered and/or cleared with exposed soil).
    - West -- Commercially developed property (Herc Rentals).

4.0 USER PROVIDED INFORMATION

For the user of this Phase I ESA Report to qualify for the EPA's Landowner Liability Protections, the user (Mandich Group) must provide relevant knowledge of the Site through their own observations, discussions with the property owner and/or any associated business operation(s), and/or review of other resources. Mr. Jamie Pardo, representing the Mandich Group, provided a completed User Questionnaire (Appendix E) that addressed the following concerns associated with Limited Liability Protection (LLP) provided under EPA's Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

4.1 TITLE RECORDS

1. Mr. Pardo did not provide a chain-of-title for the Site to attempt to identify the land uses, land use limitations, and/or possible presence of a REC.

4.2 ENVIRONMENTAL LIENS/ACTIVITY AND USE INFORMATION

1. Mr. Pardo did not provide nor identify the existence of any environmental liens and/or limitations of use.

4.3 SPECIALIZED KNOWLEDGE

1. Mr. Pardo indicated no specialized knowledge associated with the Site.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

1. Mr. Pardo indicated the Site was already owned.

4.5 COMMONLY KNOWN INFORMATION OF THE PROPERTY

1. Mr. Pardo addressed the following for the Site that could identify conditions indicative of a release or threatened release:
    - Past Uses -- No knowledge.
    - Specific chemicals currently present or once present -- No knowledge.
    - Spills or chemical releases -- No knowledge.
    - Environmental cleanups -- No knowledge.

4.6 OBVIOUS OR LIKELY PRESENCE OF CONTAMINATION

1. Mr. Pardo indicated no knowledge of any contamination on the Site.

4.7 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

1. Based on the deed from the Orange County Clerk of Courts website, the current owner of the Site was MG88 Central Cold Storage II, LLC.
2. The Site was occupied by Cold Link Logistics (offices, dry and cold storage warehouses) who leased offices and/or ground storage to Eastern Quality Foods (offices and cold warehouse storage) and Circet USA (offices and ground storage).

4.8 REASON FOR PERFORMING PHASE I ESA

1. The Mandich Group requested the Phase I ESA be performed to assess the pre-sale environmental status of the Site.

4.9 USER PROVIDED DOCUMENT(S)

1. The Mandich Group provided a September 2019 Phase I ESA Report (selected pages in Appendix F) prepared by Colella & Associates, Inc. that included the Site and other parcels. The Mandich Group was given reliance to use the report in February 2020. The following summarizes the findings/conclusions of the September 2019 Phase I ESA Report:
    - Site
        - The historic land uses of the Site did not reveal the potential of a REC.
        - The current land uses of the Site revealed no REC's.
    - Adjoining Properties
        - Historic -- No obvious REC's but the potential exists as the southern and western adjacent properties were heavily developed with commercial and/or industrial operations. In addition, a railroad track was located along the site's southern boundary.
        - Current -- No obvious REC's but the potential exists as southern and western adjacent properties were heavily developed with commercial and/or industrial operations with active businesses. In addition, an active railroad track was located along the site's southern boundary.
    - Surrounding Properties
        - Historic -- The surrounding properties may have environmental conditions but were at a distance minimizing the potential to impact the site.
        - Current -- The surrounding properties may have environmental conditions, but were at a distance minimizing the potential to impact the site.
    - CREC -- None.
    - Suspect ACM -- Office (ceiling tiles, flooring, wallboard/joint compound, and window/door caulking) and pipe wrapping.
    - LBP -- All the buildings had suspect lead-based paint as they had painted surfaces and were built/maintained prior to the ban of LBP.
    - Vapor Migration -- The potential for vapor migration on or to the Site does not appear to exist
2. Cold Link Logistics provided the following documents (Appendix G):
    - Facilities map.
    - Waste Manifests (hazardous and non-hazardous) of recently removed wastes.
        - The hazardous wastes were associated with aerosol paint cans and classified as ignitable (D001), spent solvents (F003 and F005) with other sodium hydroxide liquid wastes being corrosive (D002).

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORDS (FEDERAL AND STATE)

1. Federal, state, and local regulatory files were assessed regarding information, if any, pertinent to environmental concerns related to the subject site and adjoining/surrounding properties as defined in Section 2.4 of this report. A search was performed of the environmental records/listings summarized in an environmental database report prepared by and obtained from Environmental Risk Information Services (ERIS). ERIS relies on government agency sources for the various listings/records associated with the applicable environmental regulations and their updates. Neither ERIS nor Colella & Associates, Inc. warrant the accuracy or reliability of the information provided in the ERIS' database report (Appendix C) regarding environmental databases as they are maintained by the respective government (federal, state, and local) agencies.

2. Colella & Associates, Inc. has conducted a limited field inspection and environmental regulatory agency file review to confirm the findings of the Environmental Database Report, particularly regarding the Site and adjoining properties.

3. The Executive Summary: Report Summary section of the environmental database report in Appendix C lists the databases that were searched.

5.1.1 FEDERAL

1. The following federal databases were reviewed for properties/facilities located within the identified search distances.
    - National Priorities List (NPL) -- The NPL was researched with regard to properties/facilities which have been assessed by the EPA and determined to represent a possible threat to public health or the environment.
        - The Site was not found in the NPL list.
        - No Adjoining/surrounding properties were found in the NPL list.
    - Superfund Enterprise Management System (SEMS), formerly the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) -- EPA SEMS records were researched to determine if a facility is listed that has the potential for releasing hazardous substances into the environment.
        - The Site was not found in the SEMS list.
        - No adjoining/surrounding properties were found in the SEMS list.
    - Superfund Enterprise Management System Archive (SEMS-ARCHIVE), formerly CERCLIS NFRAP, records sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a property has been completed and that EPA has determined no further steps will be taken to list the property on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.
        - The Site was not found in the SEMS-Archive list.

- No adjoining/surrounding properties were found in the SEMS-Archive list.

2. Resource Conservation and Recovery Act (RCRA) files were assessed regarding the listing of properties associated with the generation, transportation, storage, and disposal of hazardous waste. The designation of a particular facility as a "RCRA Site" does not necessarily mean that the property represents an immediate environmental concern for Adjoining landowners. A property is designated as an RCRA facility if site activity at that property includes the generation, treatment, storage, transportation, and/or disposal of hazardous waste. The following categories (1, 2, and 3) are applied to those facilities which generate reportable quantities of hazardous waste.

   - **Class 1 (Large Quantity Generator, LQG) -** Facilities which generate at least 1,000 kilograms (2,200 pounds) per month (kg/mo) of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.
   - **Class 2 (Small Quantity Generator, SQG) -** Facilities which generate at least 100 kg (220 pounds)/mo, but less than 1,000 kg (2,200 pounds)/mo, of non-acutely hazardous waste.
   - **Class 3 (Conditionally Exempt Small Quantity Generator, CESQG) -** Facilities which generate less than 100 kg (220 pounds)/mo of non-acutely hazardous waste. This designation has been renamed to **Very Small Quantity Generator (VSQG)**.

   Information regarding Class 1, 2, or 3 generators within the identified search distance is as follows:

   - The Site was not found in the RCRA Generators list.
   - The following western adjoining properties were found in the RCRA Generators list. For details of both the adjoining properties, see the report in Appendix C.
     - 2501 W. Orange Avenue (Coca-Cola, flavor manufacturing). The database indicated the facility had ID FLR000047506 and was a SQG (of hazardous waste (ignitable (D001), chloroform (D022), spent halogenated solvents (F022), spent halogenated solvents (F002 and F003), spent nonhalogenated solvents (F005), and/or acetaldehyde (U001)) and had violations or undetermined details associated with compliance monitoring and enforcement as of January 2025.
     - 2659 W. Orange Avenue (Coca-Cola North America). The database indicated the facility had ID FLD053393039 and was a VSQG of hazardous waste (ignitable (D001), mercury (D009), silver (D011) spent halogenated solvents (F002 and F003), and spent nonhalogenated solvents (F005)) and had violations or undetermined details associated with compliance monitoring and enforcement as of January 2025.
   - Two (2) surrounding properties were found in the RCRA Generators list as VSQG of hazardous waste. For details of all the RCRA Generators on the surrounding properties, see the report in Appendix C.

3. Information regarding the presence of any RCRA Transportation, Storage, and Disposal (TSD) facilities within the search distance is as follows:

   - The Site was not found in the RCRA TSD list.
   - No Adjoining/surrounding properties were found in the RCRA TSD list.

4. Emergency Response Notification System (ERNS) was researched with regard to the site having experienced an incident that required emergency response activities.
    - The Site was not found in the ERNS list
5. FED Brownfields are abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.
    - The Site was not found in the FED Brownfields list.
6. FED Engineering Controls (FED ENG) are databases of all contaminated properties in the state of Florida that are subject to engineering controls. Engineering controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property.
    - The Site was not found on the US ENG lists.
7. FED Institutional Controls (FED INST) are databases of all contaminated properties in the state of Florida that are subject to institutional and engineering controls.
    - The Site was not found on the US INST list.
8. The Facility Index System/Facility Registry System (FINDS) database identifies sites/properties subject to environmental regulations or interest.
    - The Site, 2560 W. Highway 441 aka Orange Blossom Trail (Cold Link Logistics), was found on the FINDS/FRS and had ID 110000704569.
9. Tier 2 database lists facilities that submit a chemical inventory report to the applicable regulatory agencies:
    - The Site, 2560 W. Highway 441 aka Orange Blossom Trail (Mid-Florida Freezer Warehouses Ltd), was found in the Tier 2 database for ammonia anhydrous. The database indicated the facility had ID 6142164.
    - The Site, 2560 W. Highway 441 aka Orange Blossom Trail (Cold Link Logistics), was found in the Tier 2 database for ammonia anhydrous. The database indicated the facility had ID 6697545.
    - For details, see the report in Appendix C.
10. Federal PFAS Databases
    - The Site was not found in the Federal PFAS databases.
    - No Adjoining properties were found in the Federal PFAS databases.
    - Four (4) surrounding properties were found in the Industry Sector of the Federal PFAS databases. The closest surrounding PFAS industry property was at least 990-feet west-northwest of the Site. For details, see the report in Appendix C.

5.1.2 STATE

1. Colella & Associates, Inc. personnel reviewed the following environmental records maintained by the FDEP and incorporated into the environmental database (Appendix C):
    - The listings maintained by the FDEP's Hazardous Waste Enforcement and Cleanup Programs regarding facilities regulated by the RCRA regulations.
    - The listing maintained by the FDEP's Solid Waste Management Division (SWF/LF) regarding facilities that dispose or treat solid waste (i.e. landfills, recycling facilities, etc.).

- The listing and file records maintained by the FDEP's Tanks Program regarding facilities with leaking underground storage tanks (LST).
- The FDEP maintains a list, DWM Contaminated Sites (DWM CONTAM) of facilities (primarily petroleum and dry-cleaning) that need cleanup but are not actively being worked on because the agency has insufficient funding.
- The listing and file records maintained by the FDEP's Tanks regarding facilities with a registered underground storage tank (UST) and/or an aboveground storage tank (AST).
- The listing maintained by the FDEP's Drycleaner Solvent Cleanup Program (DRYCLN) regarding drycleaning facilities (use and/or storage of the solvent).
- The listing maintained by the FDEP of properties included in the Voluntary Cleanup Program (VCP) regarding properties that have had a release and are being addressed voluntarily.
- The listing of properties having Engineering (ENG) / Institutional (INST) Controls.
- The listing of properties classified as Brownfields.
- The listings maintained by the FDEP in Groundwater Contamination Areas (GW CONTAM) include agricultural pesticide ethylene dibromide (EDB), a soil fumigant, and records regarding the presence of EDB in drinking water wells.
- The listings maintained by FDEP SPILLS regarding inland oil and hazardous materials incidents.
- The listings maintained by the EPA Tier 2 records of facilities that store or manufacture hazardous materials that submit a chemical inventory report.
- PFAS Aqueous Foam (AF) List (a list of firefighter training facilities).
- PFAS List (an AFFF and/or a potential source or environmental impact related to PFAS).

2. Within the designated search distances (Section 2.4), the following information was found in the respective database for the Site and adjoining and surrounding properties.
    - State Hazardous Waste Site (SHWS)
        - The Site was not found in the SHWS list.
        - No adjoining/surrounding properties were found in the SHWS list.
    - Solid Waste Landfill List (SWF/LF)
        - The Site, 2400 Mayflower Avenue (McGee Waste Tire), was found in the SWF/LF list. This address is currently the eastern portion of the Site being leased to Circet USA. The database indicated the facility had ID 100377, had a unauthorized disposal/processing complaint of used tires, and has a No Further Action status.
        - No adjacent properties were found in the SWF/LF list.
        - Five (5) surrounding properties were found in the SWF/LF list. All were associated with storing/processing waste tires. See the report in Appendix C for details.

- LST
  - The Site was not found in the LST list.
  - The following western adjoining properties were found in the LST database. For details of both adjoining LST properties, see the report in Appendix C.
    - 2659 Orange Avenue (Coca-Cola Foods). The database indicated the facility had ID 9200827, was a non-retail fuel user, had a discharge in April 1992 that required cleanup activities, was eligible for the FDEP Petroleum Cleanup Program's Abandoned Tank Restoration Program, and received a "No Further Action" determination as of May 1997.
    - 2659 Orange Avenue (Coca-Cola North America). The database indicated the facility had ID 9200233, was a non-retail fuel user, had a discharge in November 1995 that required cleanup activities, was not eligible for any of the FDEP Petroleum Cleanup Programs, and received a "No Further Action" determination as of August 2006.
  - Three (3) surrounding properties were found in the LUST list. The closest LUST surrounding property was located at 2901 W. Orange Blossom Trail (Diamond Food Mart, Facility ID 8513126). The report identified a petroleum discharge occurred in July 1990 and cleanup was ongoing. For details of the three (3) LUST surrounding properties, see the report in Appendix C
- DWM CONTAM
  - The Site was not found on the DWM CONTAM list.
  - The following western adjoining properties were found in the DWM CONTAM database. For details of all the adjoining DWM CONTAM properties, see the report in Appendix C.
    - 2501 Orange Avenue (Coca-Cola Special Projects AST 306). The database indicated the facility had ID ERIC_12758, and the cleanup status was classified "open".
    - 2501 Orange Avenue (Coca-Cola Special Projects Department). The database indicated the facility had ID ERIC_12702, and the cleanup status was classified "closed".
    - 2651 Orange Avenue (Coca-Cola Company). The database indicated the facility had ID ERIC_12867, and the cleanup status was classified "closed".
    - 2659 Orange Avenue (Coca-Cola Foods). The database indicated the facility had ID 9200827, had a discharge in April 1992 that required cleanup activities, was part of the petroleum program, and received a "No Further Action" determination as of May 1997.
    - 2659 Orange Avenue (Coca-Cola North America). The database indicated the facility had ID 9200233, had a discharge in November 1995 that required cleanup activities, was part of the petroleum program, and received a "No Further Action" determination as of August 2006.
  - Eight (8) surrounding properties were found in the DWM CONTAM list and were at least 990-feet away from the Site. For details of all the surrounding DWM CONTAM properties, see the report in Appendix C.

- UST
  - The Site was not found in the UST list.
  - The following western adjoining properties were found in the UST database. For details of both adjoining UST properties, see the report in Appendix C.
    - 2651 Orange Avenue (Coca-Cola Company). The database indicated the facility had ID 9200236, was an industrial plant, had an open status, and had a 550-gallon waste oil UST that was removed as of April 2019.
    - 2659 Orange Avenue (Coca-Cola Foods). The database indicated the facility had ID 9200827, was a non-retail fuel user, had a closed status, and had a 400-gallon kerosene UST and a 250-gallon unleaded gasoline UST that were both removed as of March 1992.
    - 2659 Orange Avenue (Coca-Cola North America). The database indicated the facility had ID 9200233, was a non-retail fuel user, had an open status, and had a 200-gallon kerosene UST that was removed as of June 1993.
    - For details of all the LST adjoining properties, see the report in Appendix C.
  - Five (5) surrounding properties, over 990-feet from the Site, were found in the UST database. For details of all the surrounding UST properties, see the report in Appendix C.
- AST
  - The Site, 2560 US 441 N (FL Express Trucking Inc.), was found in the AST database. The database indicated the facility had ID 8513283, was a non-retail fuel user, had a closed status, and had a 12,000-gallon leaded gasoline AST that was removed as of December 1996.
- BROWNFIELDS
  - The Site was not found in the BROWNFIELDS list.
- VCP
  - The Site was not found in the VCP list.
  - No adjoining/surrounding properties were found in the VCP list.
- DRYCLEANERS
  - The Site was not found in the DRYCLEANERS list.
  - No adjoining/surrounding properties were found in the DRYCLN list.
- PRIORITY CLEAN
  - The Site was not found in the PRIORITY CLEAN list.
  - No adjoining/surrounding properties were found in the PRIORITY CLEAN list.
- Tier 2 database lists facilities that submit a chemical inventory report to the applicable regulatory agencies:
  - The Site had the following listings in the Tier 2 database. For details, see the report in Appendix C.
    - 2560 W. Orange Blossom Trail (Mid-Florida Freezer Warehouse Ltd.) -- The database indicated the facility had ID 6142164 and in 2017 and 2018 reported ammonia anhydrous.

  - 2560 W. Orange Blossom Trail (Cold Link Logistics) -- The database indicated the facility had ID 7267404 and in 2022 and 2023 reported ammonia anhydrous and lead acid battery.
  - 2560 W. Highway 441 (Cold Link Logistics Orlando LLC) -- The database indicated the facility had ID 6697545 and in 2019 and 2020 reported ammonia anhydrous.

- PFAS Aqueous Film Forming Foam (AFFF)
  - The Site was not found in the AFFF list.
  - No adjoining/surrounding properties were found in the AFFF list.
- PFAS
  - The Site was not found in the PFAS list.
  - No adjoining/surrounding properties were found in the PFAS list.

3. The FDEP maintains petroleum storage systems, Brownfields, and OCULUS internet databases. The Oculus database covers environmental programs associated with storage tanks, hazardous waste, waste cleanup, Brownfields, solid waste facilities, and others. The databases were assessed to determine if the Site, adjoining, and surrounding properties had a file. The Site and the western adjoining property had files in various FDEP environmental programs.

4. Appendix H contains copies of the following documents or selected pages of the documents associated with the Site (2560 W. Orange Blossom Trail aka Highway 441).
   - May 7, 1991, Pollutant Storage Tank Inspection Report
     - Facility name -- FL Express Trucking, Inc.
     - ID -- 8944489.
     - Status -- Facility was closed.
     - Tank -- 6,000-gallon vehicular diesel AST (empty, no longer being used).
     - Containment -- Concrete block wall and concrete slab.
   - October 13, 1992, Pollutant Storage Tank Inspection Report
     - Facility name -- FL Express Trucking, Inc. (out of business for over 3-years).
     - ID -- 8513283.
     - Status -- Facility was being operated by Mid-Florida Freezer.
     - Tank -- 12,000-gallon leaded gasoline AST was removed prior to F.A.C. 17-761. No records of the removal were available.

5. Appendix I contains copies of the following documents or selected pages of the documents associated with the western adjoining properties (2501, 2651, and 2659 W. Orange Avenue).
   - 2501 W. Orange Avenue (Coca-Cola Company Flavor Manufacturing) -- June 21, 2022, FDEP Hazardous Waste Inspection Report
     - Compliance Status -- Out of compliance (administrative issues).
   - 2501 W. Orange Avenue (Coca-Cola Company Flavor Manufacturing) -- March 2024 Semi-Annual Groundwater Sampling Report and No Further Action without Conditions Request
     - A citrus product had a discharge near Tank No. 306.

- Groundwater flow in May and November 2011 was south-southeast, and easterly in 2013 and 2024.
- Isopropylbenzene (cumene) was the only compound that exceeded its Groundwater Cleanup Target Level (GTCL) and its Natural Attenuation Default Concentration (NADC).
- Recommendation -- No Further Action without Conditions.

- 2501 W. Orange Avenue (Coca-Cola Company Flavor Manufacturing) -- November 26, 2024, FDEP Site Rehabilitation Completion Order (SRCO)
  - Released from any further obligation to conduct site rehabilitation.
- 2651 W. Orange Avenue (Coca-Cola Company) -- April 25, 2019, UST Closure Report prepared by Wood Environmental & Infrastructure, Inc.
  - Single-walled 550-gallon UST removed in March 2019 during redevelopment of an area.
  - UST did not have any breaches
  - Soil and groundwater sampling and analysis were performed.
  - UST was cleaned and the pit was vacuumed. A total of approximately 110-gallons of oily water and/or sludge was removed.
  - Recommended No Further Action.
- 2501 W. Orange Avenue (Coca-Cola Company Flavor Manufacturing) -- July 4, 2019, FDEP Site Rehabilitation Completion Order without Conditions (SRCO)
  - Released from any further obligation to conduct site rehabilitation.
- 2659 W. Orange Avenue (Coca-Cola North America) -- March 2023 FDEP Hazardous Waste Generator Classification and Number
  - Classified -- LQG.
  - ID -- FLD053393039.
  - Hazardous Wastes -- Ignitable (D001), mercury (D009), methyl ethyl ketone (D035), and spent nonhalogenated solvents (F005) mercury (D009), and (F005).
- 2659 W. Orange Avenue (Coca-Cola North America) -- October 18, 2024, FDEP Hazardous Waste Generator Classification and Number
  - Classified -- VSQG.
  - ID -- FLD053393039.
  - Hazardous Wastes -- Ignitable (D001), mercury (D009), methyl ethyl ketone (D035), and spent nonhalogenated solvents (F005) mercury (D009), and (F005).

6. The Site had fuel ASTs that had been removed and no reported discharge. The western adjoining properties had citrus product and petroleum releases and the FDEP issued a No Further Action or SRCO for the releases.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

5.2.1 LOCAL

1. The Orange County Environmental Protection Department (OCEPD) monitors and maintains the associated files for storage tank facilities (compliance and remediation) in Orange County. A records search was requested through the OCEPD for any environmental related files for the Site. The OCEPD research found files in the Petroleum

Restoration, Storage Tank Compliance, and Compliance Waste Management programs environmental departments. Appendix J contains the records search results and relevant information is summarized below:

- Petroleum Restoration and Storage Tank Compliance -- Had IDs of 8513283 and 8944489.
- Compliance Waste Management -- Odor complaint.

5.2.2 LAND RECORDS

1. Orange County Land Records were not reviewed to determine the activity and use limitations of the Site. The Orange County Property Appraiser's internet website was reviewed for the Site's ownership information and identified the owner MG88 Central Florida Cold Storage II, LLC.

2. The resource identified the land use as cold storage, which could develop a REC from the release of refrigeration oils and/or the refrigerant from the operating equipment.

5.3 PHYSICAL SETTING SOURCE(S)

5.3.1 U. S. G. S. TOPOGRAPHIC MAP

1. The U.S.G.S. topographic map presents general development and improvements in the area the map covers, in addition to the topography. The 2024 Apopka, Florida, U.S.G.S. Quadrangle Map (Figure 2) did not show any development symbols on the Site.

2. The map indicated the ground surface elevation of the Site was approximately 125-feet above the MSL.

5.3.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

1. Orange County consists of unconsolidated sand with varying lenses/layers of clay. The area has soils that drain moderately to well. Based on the Site Assessment Reports, the Site has silty fine sand to approximately 21-feet BGS and then grades into a hard green-gray clay to approximately 40-feet BGS.

2. The surficial aquifer (0- to approximately 25-feet BGS) is a source of small quantities of water.

3. Groundwater from the Floridan Aquifer is the primary source of potable water.

5.4 HISTORICAL USE OF THE SITE

1. The historic uses of the Site were investigated through the review of aerial photographs, fire insurance maps, property tax files, land title records, U.S.G.S. maps, city directories, building department records, and/or zoning use records. The objective is to develop a history of the previous uses of the Site to identify the likelihood of past uses having led to a REC on the Site.

5.4.1 AERIAL PHOTOGRAPHS

1. Aerial photographs of the Site and area (Section 06, Township 21, Range 28) were readily available for review on the Orange County Property Appraiser's website. Aerial photographs were also obtained from the Florida Department of Transportation and the University of Florida Library websites, and from ERIS (Appendix C).

2. The aerial photographs provide a means to evaluate the site's land use history and development. An unrecorded REC, if any, related to the Site's land use could be reflected in the aerial photographs. Appendix B provides a copy of a portion of aerial photographs (2025, 2019, 2013, 2007, 1999, 1990, 1987, 1978, 1969, 1954, and 1947) of the Site.

3. The review of the aerial photographs revealed the following regarding the conditions of the Site:
    - 1947 -- The Site had a commercial warehouse building straddling the western boundary and remnants of former citrus groves were noted on the remainder of the Site.
    - 1954 -- Additional buildings (office and warehouse) were present east of the existing western building. The eastern portion appeared to have a residential land use (trailer/mobile homes) along roads on the Site that extend from the north (Albrecht and Shepard Avenues). The central portion had ground cover.
    - Circa 1969 to 2025 -- Commercially developed with numerous warehouse buildings as viewed on May 7, 2025. The eastern area appeared to be used for ground storage and parking, unimproved with ground cover followed by dense tree cover along the eastern boundary.
4. The aerial photographs indicated the Site's use was storage and/or manufacturing, with the number of large warehouses between 1954 and 2025, trailer parking, and ground storage.

5.4.2 FIRE INSURANCE MAPS

1. ERIS reviewed available fire insurance maps and concluded they were not developed (Appendix C) for this area of Apopka, Florida, for review to possibly identify the historic land uses of the Site.

5.4.3 PROPERTY TAX FILES

1. The property tax files were not reviewed to identify historic land uses of the Site, but to identify the current land use and, if possible, an associated REC.
2. The Orange County Property Appraiser's records for the Site were reviewed through their internet website. Appendix D contains a copy of the file of the Site and is summarized below:
    - Owner -- MG88 Central Florida Cold Storage II, LLC.
    - Land Size -- Approximately 27.63-acres.
    - Land Use -- Industrial cold storage.
    - Building(s)
        - Warehouses (4) were built between 1953 and 1963.
        - Office -- 1951.
    - Extra Features -- Paved asphalt.
3. The resource identified the possible land use as cold storage, which could develop a REC from the release of refrigeration oils and/or the refrigerant from the operating equipment

5.4.4 LAND TITLE RECORDS

1. Colella & Associates, Inc. developed the following ownership information from the deeds obtained from the Orange County Clerk of Records website:
    - February 2020 -- MG88 Central Florida Cold Storage II, LLC.
    - December 2019 -- Mid-Florida Freezer Properties, LLC.
    - December 1988 -- Mid-Florida Warehouses, LTD.
    - March 1986 -- Plymouth Citrus Products Cooperative.
    - Prior to March 1986 -- Florida Gas Transmission Company (f/k/a Houston Texas Gas and Oil Corporation).

2. The property owner's names indicate the Site's use as probably storage (warehouse and cold storage) that could include possible citrus trucking (fuel and maintenance) and service of vehicles (fuel and maintenance). A REC associated with any of the operations (cold storage, fuel storage/dispensing, and vehicle maintenance) is possible.

5.4.5 U. S. G. S. MAP

1. The U.S.G.S. topographic map presents general development and improvements in the area the map covers and the topography. ERIS compiled versions of the Lake Jessamine, Florida U. S. G. S. map (Appendix C). The Apopka, Florida, U.S.G.S. topographic maps (versions 1960, 1960 (photo-revised 1980), 2012, 2015, 2018, and 2021) were reviewed and provided the following information:
    - 2012 -- The map provided no development information.
    - 2018, Figure 3 -- The map provided no development information.
    - 2015 -- The map provided no development information.
    - 2012 (Figure 4) -- The map provided no development information.
    - 1960 (Photo-revised 1980), Figure 5
        - Developed with numerous buildings (warehouses and offices) with black, black cross-hatch, and purple colors. The black indicates development occurred before 1960, and the purple after 1960.
        - Mayflower Avenue extended into the Site and connected to Albrecht Avenue, which extended from the north.
        - Small black building symbols were noted near the intersection of the roads on the Site. The black color indicates development occurred before 1960. A cross was noted by one of the buildings indicating a church.
    - 1960, Figure 6
        - Developed with numerous buildings (warehouses and offices) with a black and black cross-hatch color. The black indicates that development occurred before 1960.
        - Mayflower Avenue extended into the Site and connected to Albrecht and Shepard Avenues, which extended from the north.
        - Numerous small black building symbols were noted along the roads on the Site, indicating a residential land use. The black color indicates development occurred before 1960. A cross was noted by one of the buildings indicating a church.
2. The resource identified that the Site was developed commercially before 1960 and retained the same development through at least 1980. The eastern portion of the Site had roads that extended from off the Site and had some residential land use during the 1960s and before.

5.4.6 STREET DIRECTORIES

1. ERIS reviewed available city directories covering various years between 1969 and 2023 for listings of the Site's address (2560 W. Orange Blossom Trail) and for a former Shepard Avenue on the Site and prepared a City Directory Report (copy in Appendix C).

2. The report indicated the following listings for the 2560 W. Orange Blossom Trail:
    - Mid-Florida Freezer Warehouses (1996, 2003, 2008, 2012, 2016, 2020, and 2023).

- McGee Tire Co. (2016, 2020, and 2023).
- Absolute Warehouse Services Mid-Florida (2012, 2016, and 2020).
- Absolute Storage Products (2012).
- Associated Hardwoods Inc. (2008 and 2012)
- Specialty Timbers (2008, 2012, and 2016).
- Cady Industries (2003, 2008, and 2012).
- Cargill Salt (2000, 2003, 2008, and 2012).
- Akzo Nobel Salt, Inc. (1996).
- Weyerhaeuser Building Products (1996).
- Plymouth Citrus Products Co-op. (1980 and 1985).

3. The report indicated residential listings on Shapard Avenue on the Site.
4. The resource identified business names on the Site that could have or had operations (trucking with fueling and/or vehicle service/maintenance) that have the potential to result in a REC on the Site.

5.4.7 BUILDING DEPARTMENT RECORDS

1. This resource was not investigated to determine the historic land uses of the Site.

5.4.8 ZONING RECORDS

1. This resource was not investigated to determine the historic land uses of the Site.

5.4.9 HISTORICAL USE COMPLETENESS

1. The historical research of the Site's land use was completed to 1947. Resources were not readily available to address the Site's land uses and possible presence of a REC before 1947. Based on the 1947 aerial photograph, the Site's land use before 1947 would appear to have been primarily as a citrus grove with some commercial development in the western area and residential development in the eastern area. The historical use assessment of the Site is complete and has met the objective.

5.5 HISTORICAL USE OF THE ADJOINING/SURROUNDING PROPERTIES

1. The historic uses of the subject area were investigated by reviewing aerial photographs, fire insurance maps, property tax files, land title records, U.S.G.S. maps, city directories, building department records, and/or zoning use records. The objective is to develop a history of the previous uses of the Adjoining and surrounding area to identify the likelihood of past uses having led to an environmental condition that could result in a likely REC or REC on the Site.

5.5.1 Aerial Photographs

1. Aerial photographs of the Site's area (Section 06, Township 21, Range 28) were readily available for review on the Orange County Property Appraiser's website. Aerial photographs were also obtained from the Florida Department of Transportation and the University of Florida Library websites and from ERIS (Appendix C).
2. The aerial photographs provide a means to evaluate the Site's land use history and development. Unrecorded environmental concerns, if any, related to the land uses in the area surrounding the Site could be reflected in the aerial photographs. Appendix B contains a copy of a portion of aerial photographs (2025, 2019, 2013, 2007, 1999, 1990, 1987, 1978, 1969, 1954, and 1947) of the area around the Site.

3. The review of the aerial photographs revealed the following regarding the Adjoining and surrounding properties to the Site:
    - North
        - 1947, 1954 -- Road (current location of W. Orange Blossom Trail), 2-lanes, followed by citrus groves and developed properties, but the land uses could not be identified.
        - 1969, 1973, 1978 -- Road (current location of W. Orange Blossom Trail), 4-lanes, followed by citrus groves, a large parking lot, and residential and commercial developed properties in the former citrus groves. In 1978, the large parking lot was vacant of vehicles.
        - 1987 to 2025 -- Road (current location of W. Orange Blossom Trail), 4-lanes, followed by undeveloped and/or commercially developed properties.
    - South
        - 1947 to circa 1954 -- -- Railroad track followed by a commercially developed property, but the land use could not be identified. In 1954, additional commercial (warehouse buildings) development was noted.
        - 1969 to 2025 -- Large commercial development (multiple warehouses and ASTs) as viewed during the site inspection.
    - East
        - 1947 -- Undeveloped and commercially developed properties.
        - 1954, 1969, 1973, 1978, 1987 -- Same as 1947 with a large citrus grove and residentially developed properties. In 1978, additional commercial buildings were noted along Orange Blossom Trail. In 1987, the residential buildings were not present.
        - 1990 to 2025 -- Citrus grove with commercially developed properties along Orange Blossom Trail. In 1999, the citrus grove was overgrown with native trees. In 2025, the commercial buildings along Orange Blossom Trail were removed.
    - West
        - 1947, 1954, 1969 -- Commercially developed property with numerous buildings.
        - 1973 to 2025 -- Commercial development (warehouse/office). In 1990, a few buildings had been removed. In 1999, additional buildings had been removed, and a spur railroad track was noted. After 199, ground storage was noted in different areas.
4. The resource identified the adjoining and surrounding properties being commercially, but the land uses could not be identified to determine the potential presence of an environmental condition.

5.5.2 FIRE INSURANCE MAPS

1. ERIS reviewed available fire insurance maps and concluded they were not developed (Appendix C) for this area of Apopka, Florida, for review to possibly identify the historic land uses of the adjoining/surrounding properties.

5.5.3 PROPERTY TAX FILES

1. The property tax files were not reviewed to identify historic land uses of the adjoining/surrounding properties to identify the presence of any environmental condition that could result in a likely REC or REC on the Site.

5.5.4 LAND TITLE RECORDS

1. Orange County Land Records were not reviewed to determine the activity and use limitations of the adjoining and surrounding properties to the Site.

5.5.5 U. S. G. S. MAP

1. The U.S.G.S. topographic map presents general development and improvements in the area the map covers, in addition to the topography. The Apopka, Florida U.S.G.S topographic maps (versions 1960, 1960 (photo-revised 1980), 2012, 2015, 2018, 2021, and 2024) were reviewed to potentially identify the development and/or land uses of the adjoining and surrounding properties to the Site over time.

2. The 2024 (Figure 2), 2021, 2018 (Figure 3), and 2015 Apopka, Florida U.S.G.S. topographic maps provided the following information about the adjoining/surrounding properties:
    - North -- The map did not present any development information on the adjoining and surrounding properties, but did show improvement as a road (W. Orange Blossom Trail, US 441, or County Road 500) on the adjoining property.
    - South -- The map did not present any development information on the adjoining and surrounding properties, but did show improvement as a railroad track on the adjoining property and as a road (County Road 437 or W. Orange Avenue) on the surrounding property.
    - East -- The map did not present any development information on the adjoining and surrounding properties, but did show improvement as a road (Boy Scout Boulevard) on the surrounding property.
    - West -- The map did not present any development information on the adjoining and surrounding properties.

3. The 2012 Apopka, Florida U.S.G.S. topographic map (Figure 4) provided the following information about the adjoining/surrounding properties:
    - North -- The map showed improvement as a road (US 441) on the adjoining property, but did not present any development information on the surrounding properties.
    - South -- The map did not present any development information on the adjoining properties, but did show improvement as a road (W. Orange Avenue) on the surrounding property.
    - East -- The map did not present any development information on the adjoining and surrounding properties.
    - West -- The map did not present any development information on the adjoining and surrounding properties.

4. The 1960 (photo-revised 1980) Apopka, Florida U.S.G.S. topographic map (Figure 5) provided the following information about the adjoining/surrounding properties:
    - North -- The map showed improvement as a road (US 441 or County Road 500) on the adjoining property, followed by developed properties with a black or purple building symbol (black indicates development before 1960 and purple after 1960).
    - South -- The map showed an improvement as a railroad track on the adjoining property, followed by a commercially developed property with purple and black building symbols (black indicates development before 1960 and purple after 1960).

- East -- The map did not present any development information on the adjoining properties, but it showed development with black and purple building symbols (black indicates development before 1960 and purple after 1960) on the surrounding properties.
- West -- The map showed a commercially developed property on the adjoining property with black and purple buildings (black indicates development before 1960 and purple after 1960).

5. The 1960 Apopka, Florida U.S.G.S. topographic maps (Figure 6) provided the following information about the adjoining/surrounding properties:
    - North -- The map showed improvement as a road (US 441 or County Road 500) on the adjoining property, followed by a citrus grove and a few developed properties with black or purple building symbols (black indicates development before 1960 and purple after 1960).
    - South -- The map showed an improvement as a railroad track on the adjoining property, followed by a commercially developed property with black building symbols (black indicates development before 1960) and water tanks.
    - East -- The map did not present any development information on the adjoining properties, but it showed development with black building symbols (black indicates development before 1960) on the surrounding properties.
    - West -- The map showed a commercially developed property on the adjoining property with black buildings (black indicates development before 1960).
6. The adjoining and surrounding properties as viewed from the resources were developed prior to and after 1960, but the land uses could not be identified to determine the potential presence of an environmental condition.

5.5.6 STREET DIRECTORIES

1. ERIS reviewed available city directories covering various years between 1969 and 2023 for listings on the adjoining road (W. Orange Blossom Trail) and surrounding roads (Lake View Drive, Mayflower Avenue, Shepard Avenue, and W. Orange Avenue). Colella & Associates, Inc. reviewed the ERIS prepared City Directory Report (Appendix C). The following listings of the adjoining and surrounding properties could have environmental conditions that could be considered a significant threat to cause an environmental concern to the Site:
    - Northern Adjoining Property -- 2428 W. Orange Blossom Trail
        - ASAP Blinds (2016, 2020, and 2023).
        - Real Estate office (2016).
        - Paw Paws Barn, thrift shop (2003, 2008, and 2012).
    - Northern Adjoining Property -- 2424 W. Orange Blossom Trail
        - Residential (1980, 1990, 1996, 2000, 2020, and 2023).
    - Northern Surrounding Property -- 2601 W. Orange Blossom Trail
        - Winfield Solutions, agricultural products (2012, 2016, 2020, and 2023).
        - Pro Source One (2003, 2008, and 2012).
        - Apopka Plastics, used merchandise (1996 and 2008).
        - Falcon Growers, Inc. (1990).

- Northern Surrounding Property -- 2591 W. Orange Blossom Trail
  - Lotus Financial and Lotus Insurance & Mortgages (2012, 2016, 2020, and 2023).
  - U-Haul Co. (2008 and 2012).
  - Elite Car Connection, used cars (2008 and 2012).
  - Forsyth Auto Group (2000, 2003, and 2008).
  - Ryder Truck Rental (2003).
- Northern Surrounding Property -- 2551 W. Orange Blossom Trail
  - HM Electrical & Underground, utility contractors (1996, 2000, 2003, 2008, 2012, 2016, 2020, and 2023).
  - Apopka Truck Brokerage (1985).
  - Elite Car Connection, used cars (2008 and 2012).
- Northern Surrounding Property -- 2457 W. Orange Blossom Trail
  - Elite Car Connection (2016, 2020, and 2023).
  - Millennium Autosales (2016, 2020, and 2023).
  - WW Gay Mechanical Contractors (2020 and 2023).
  - FL Auto Wholesellers (2012).
  - FL Gator Motors Inc. (1996, 2000, and 2003).
- Northern Surrounding Property -- 2455 W. Orange Blossom Trail
  - Spectrum Electric (1996, 2000, 2003, 2008, 2012, 2016, 2020, and 2023).
  - Carter Electric (2008, 2012, and 2016).
  - Penske Truck Rental (1990).
- Northern Surrounding Property -- 2409 W. Orange Blossom Trail
  - Sunshine State Homes (2003).
- Northern Surrounding Property -- 2385 W. Orange Blossom Trail
  - Lizardo's Auto Sales (2008, 2012, and 2016).
  - Crown Sales (2003).
  - Comanche Pottery (1985 and 1990).
- Southern Adjoining Property -- 2501 (aka 321) W. Orange Avenue
  - Coca Cola Special Products (1969, 1972, 1976, 1980, 1996, and 2023).
- Eastern Adjoining Property -- 2322 W. Orange Blossom Trail
  - Robs Custom Car Audio (2016, 2020, and 2023).
  - Good News Auto Sales (2016).
  - Jim Martin Machine Shop (2003, 2008, and 2012).
  - Soil Systems Inc., lawn & garden equipment (2003, 2008, and 2012).
- Eastern Surrounding Property -- 2300 W. Orange Blossom Trail
  - La Parada Mexicana Deli Mart (1969, 1972, 2012, 2016, 2020, and 2023).
  - Fiesta Mercado (2008).
  - First Antioch Missionary (1996, 2000, and 2003).

2. The historic land uses of the adjoining and surrounding properties from the resource identified various businesses that typically have operations that could result in an environmental condition on the respective property.

5.5.7 BUILDING DEPARTMENT RECORDS

1. This resource was not investigated to determine historic land uses of the area.

5.5.8 ZONING RECORDS

1. This resource was not investigated to determine historic land uses of the area.

5.5.9 HISTORICAL USE COMPLETENESS

1. The historical research of the adjoining and surrounding properties was complete to circa 1947. Resources were not readily available to address the land uses and possible presence of an environmental condition on the adjoining and surrounding properties that could result in a likely REC or REC on the Site prior to 1947. Based on the 1947 aerial photograph, the adjoining and surrounding properties before 1947 would appear to be similar, residential and commercially developed properties, and citrus groves.

6.0 SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

1. James C. Colella, P. E. of Colella & Associates, Inc. conducted an inspection of the Site on May 7, 2025. The inspection included a walk-through along the Site's boundary lines, within the dry storage and office buildings, and various paths across the Site. Recognizing that food items were being stored in the refrigerated and freezer warehouse, an interior inspection was not performed. A curb-side reconnaissance of the surrounding area was also conducted in a one-quarter mile radius.

2. Emphasis of the inspection was placed on locating storage tanks, electrical equipment containing Polychlorinated Biphenyl (PCBs) dielectric fluid, petroleum and/or chemical waste disposal practices and/or petroleum and/or chemical usage throughout the Site. Additionally, surface water conditions, stressed vegetation, point and non-point sources of wastewater discharge, waste disposal areas, and other areas of environmental concern were identified and inspected, if present. Notes were recorded during all phases of the field inspection and photographs (Appendix A) were taken of the areas of interest related to a likely REC and/or a REC.

3. The performance of the Phase I ESA cannot wholly eliminate the uncertainty regarding the potential existence of a REC on the Site. The Site's limiting conditions which could cover a REC included natural grass/vegetation ground cover, asphalt/concrete pavements, loading/unloading ramp, and the building.

4. Colella & Associates, Inc.'s methodology to address the presence of a REC within any of these limiting conditions included reviewing historic aerial photographs and interviewing those individuals knowledgeable of the Site.

6.2 GENERAL OBSERVATIONS

1. The Site was in an area of commercially developed properties along W. Orange Blossom Trail and W. Orange Avenue. Site conditions as noted during the inspection consisted of the following:
    - Access was from W. Orange Blossom Trail and Mayflower Avenue (deliveries or exiting loaded trucks).
    - The Site had an irregular configuration with a northwest-southeast orientation.
    - The Site was developed as follows:
        - 1-story office building (Cold Link Logistics and Eastern Quality Foods).
        - Three (3) large warehouse buildings.
            - Western Building -- Dry storage, forklift room, maintenance room, battery charging area, refrigeration equipment/motor room, and employee break room.
            - Northern Building (adjacent to W. Orange Blossom Trail) -- Subdivided into freezer, refrigerated, or dry storage units plus an office area (Circet USA) and a refrigeration equipment room.
            - Southern Building (adjacent to the railroad spur tracks) -- Subdivided into freezer and refrigerated storage units.
            - Office trailer -- Manage traffic in and out of the Site at the Mayflower Avenue entrance.
        - Fire Water Pump Building -- Diesel powered water pump engine with a ~300-gallon diesel AST. A localized area on the floor within the building was covered with an absorbent indicating a release had occurred. There was no indication the release drained out of the building.

- The eastern portion of the Site was undeveloped with dense trees, and an improved area (asphalt pavement and gravel over) was being used for ground storage (Circet USA, tenant).
- Railroad spur tracks (2) were noted along the southern boundary serving the Site.
- Asphalt pavements were between the north and south buildings and in the western and eastern areas of the Site.
- Stormwater catch basins were noted throughout the Site.
- An emergency generator with self-contained fuel storage was located south of the office building.
- An irrigation water well was located west of the office building.
- An inactive AST within a concrete secondary containment structure was west of the office building. Some rainwater had collected in the containment structure.
- A water supply well and vertical storage AST was noted in the northwestern portion of the Site.
- Five (5) septic systems were noted as follows:
  - East and west sides of the office building.
  - West side of the emergency generator.
  - East side of the Southern Building.
  - East side of the Northern Building.
- Concrete pads, loading docks and pavements on the north and west sides of the western building.
- Floor drains were noted in the dry storage warehouses and on docks supporting the units in the Southern Building.
- A solid waste roll-off box was noted on the south side of the Northern Building and two (2) were noted on the west side of the Western Building. No unusual materials were noted in the boxes. No stains were noted on the roll-off box or the ground surface.
- Six (6) unlabeled drums were staged on a concrete slab in the southwest corner of the Site near the western boundary. Some staining was noted on the concrete.
- An oil-stained area was noted south of the staged drums on a paved surface.
- There was no evidence of illegal dumping of any waste materials.
- A pad transformer was noted near the southeast corner of the office building and a pole mounted transformer was near the Fire Water Pump Building. There was no indication a release had occurred from the transformers.
- Three (3) flammable storage cabinets were in the maintenance room (Western Building). Various forklift service/maintenance and building maintenance products were noted in each cabinet. The were no significant stains on the concrete floor by the cabinets.
- A large horizontal gas (chemical or natural) tank was noted on the north side of the Western Building by the maintenance room.
- Two (2) plastic ASTs were noted on the north side of the Southern Building collecting condensate from the two (2) roof top condensers.
- Air compressors were noted in the Western and Southern Buildings.
- A drum of refrigeration oil was noted in the motor room (Western Building).

- The offices on the east side of the Northern building and a portion of the eastern area (ground storage) of the Site were leased to Circet USA.

6.3 EXTERIOR OBSERVATIONS

1. The following sections identified the following information from the May 7, 2025, inspection of the Site.

6.3.1 HAZARDOUS SUBSTANCES/MATERIALS

1. Hazardous substances/materials, as defined by the Resource Conservation and Recovery Act (RCRA), were noted in the flammable cabinets in the maintenance room (Western Building) as equipment and building maintenance products. Ammonia, supporting the refrigeration system, was also present in the Western and Northern Buildings.

6.3.2 PETROLEUM PRODUCTS

1. Petroleum products as refrigeration oil (55-gllon drum) in the motor room (Western Building) and diesel fuel (Fire Water Pump Building) in a ~300-gallon AST were noted.

6.3.3 STORAGE TANKS

1. A diesel fuel AST (~300-gallon) in the Fire Water Pump Building and a horizontal tank (chemical or natural gas) on the east side of the Western Building were noted.
2. Absorbent material was noted on the concrete floor of the Fire Water Pump Building indicating a release had occurred.

6.3.4 ODORS

1. No odors were noted.

6.3.5 POOLS OF LIQUIDS

1. No pools of liquid were noted.

6.3.6 DRUMS

1. A drum (55-gallon) of refrigeration oil was noted in the motor room.
2. Drums (6) of unknown materials were staged on a pavement in the southwest corner of the Site near the western boundary.

6.3.7 HAZARDOUS WASTES AND/OR UNIDENTIFIED SUBSTANCES/CONTAINERS

1. Unlabeled staged drums (6) along the western boundary may be classified as containing hazardous waste based on the waste profile and manifests provided (Appendix G) by Cold Link Logistics for a recent removal of other similar containers.

6.3.8 PCBs

1. A utility company's transformers (pole mounted (near Fire Water Pump Building) and pad (southeast corner of the office building)) were noted. No leakage was noted from either transformer.

6.3.9 PITS, PONDS, OR LAGOONS

1. No pits, ponds, and/or lagoons were noted.

6.3.10 STAINED SOIL/PAVEMENT

1. No significant soil staining was noted.

2. Some asphalt staining was noted throughout the Site with a larger stained area noted in the southwest corner of the Site.

6.3.11 STRESSED VEGETATION

1. No stressed vegetated areas were noted.

6.3.12 SOLID WASTE

1. Solid waste roll-off boxes were noted on the Site. No unusual materials were noted, and no stains were noted on the asphalt.

6.3.13 WASTEWATER

1. No wastewater was generated.

6.3.14 WELLS

1. Two (2) water supply wells were noted. An irrigation well was noted west of the office building. A water supply well for use in the operations was noted in the northwest corner of the Site.

6.3.15 SEPTIC SYSTEMS AND CESSPOOLS

1. Five (5) septic system features servicing the Site were noted.
    - East and west sides of the office building.
    - West side of the emergency generator.
    - East side of the Southern Building.
    - East side of the Northern Building.

6.3.16 HEATING/COOLING BUILDINGS

1. The office building, employee break room, and office trailer had heat pumps for heating and cooling. The dry storage warehouse areas did not appear to be heated/cooled.

6.3.17 STAINS OR CORROSION ON FLOORS, WALLS, OR CEILINGS

1. No conditions of corrosion nor stains were noted.

6.3.18 DRAINS AND SUMPS

1. No floor drains or sumps were noted in the building except for the restrooms.

6.3.19 POTABLE WATER SUPPLY

1. The municipal water supply serviced the Site.

6.3.20 SEWAGE DISPOSAL SYSTEM

1. The septic systems (5) serviced the Site.

6.3.21 OTHER CONDITIONS OF CONCERN

1. During the site inspection, the following observations were made regarding other conditions of possible concern:
    - Drainage Paths -- The Site appears to have been developed with catch basins to drain stormwater runoff to the east.
    - Railroads -- Two (2) spur tracks were along the southern boundary supported the Site.
    - Heavy Equipment -- Forklifts.
    - Landfills, Dumping or Burial Activities -- No dumping and/or burial activities were noted.

- Monitoring Wells or Remedial Activities -- None were observed.
- Chemical Spills/Releases -- A release appeared to occur in the Fire Water Pump Building and on the pavement in the southwest corner of the Site (staging area for waste drums).
- Evidence of Groundwater and/or Surface Water Impacts -- None were observed.
- Oil/Gas Well Exploration, Production/Refinery Activities -- None were observed.

6.4 INTERIOR OBSERVATIONS

1. Internal observations were made of the office and dry storage buildings on May 7, 2025.
    - Dry Storage Buildings -- Walls (concrete block), ceiling (roof system) and floor (concrete)
    - Office Area -- Walls (painted wallboard), ceiling (suspended tiles), and floor (ceramic and vinyl tile/mastic).

6.5 BUSINESS ACTIVITY & ENVIRONMENTAL (EXPOSURE) RISKS

1. Business environmental risks were assessed regarding the potential to cause a REC to the Site through the business activity. The Site provides storage (ground, dry, refrigerated, and freezer) and has limited fuel (diesel) storage for the operation of the fire water pump. Current maintenance and management protocols appear to have minimized an environmental condition from the potential sources.
2. During the inspection on May 7, 2025, the presence of business environmental (exposure) risks, asbestos and lead, in suspect asbestos containing building materials (ACBM) and paint coatings, respectively, were assessed. The buildings had suspect ACBM (flooring/mastic, wallboard and joint compound, flooring/mastic, pipe wrapping, and/or window/door caulking). The buildings had painted surfaces.
3. During the inspection on May 7, 2025, the manufacturing of per- and polyfluoroalkyl substances (PFAS) compounds or the manufacturing of products with PFAS compounds was assessed. PFAS was not being produced, nor were products using PFAS compounds being manufactured/produced.

6.6 SITE PLAN

1. The conditions of the Site as observed on May 7, 2025, are provided in Figure 7.

6.7 ADJOINING PROPERTIES

1. During the inspection on May 7, 2025, the adjoining properties were viewed to identify the land uses and observe an environmental condition that could result in a likely REC or REC on the Site. The adjoining properties' land uses included:
    - North -- W. Orange Blossom Trail (4-lanes with median) followed by undeveloped and commercially properties (realtor, vertical blinds, Perfect Car Corp. (used cars sales), Best Automotive (used car sales), church campus, H&M Electrical & Utilities Contractor, Getsemani Temple, Heritage, and residential). No obvious environmental conditions that could result in a concern to the Site were observed from the curd-side inspection.
    - South -- Railroad track followed by commercially developed (warehouse type buildings) properties (Minute Maid and Coca-Cola). No obvious environmental conditions that could result in a concern to the Site were observed from the curd-side inspection.
    - East -- Undeveloped properties followed by Lake View Drive. No obvious environmental conditions that could result in a concern to the Site were observed from the curd-side inspection.

- West -- Commercially developed property (Herc Rentals). No obvious environmental conditions that could result in a concern to the Site were observed from the curd-side inspection.

7.0 INTERVIEWS

1. During the performance of the Phase I ESA, Colella & Associates, Inc. attempted to interview various individuals (owner, site manager, occupants, local government officials, and/or others) to understand the land use of the site.

7.1 OWNER

1. The Regional Maintenance Manager of Cold Link Logistics, Mr. Doug Barber, was interviewed and provided the following information:
    - Purchased Site -- 2019/20.
    - Associated with the Site -- 2.5-years.
    - Land Use Prior to Purchase -- Same, operated by Mid-Florida Freezer Warehouses.
    - Land Use -- Cold Link Logistics provides dry, refrigerated, and freezer storage warehouses and ground storage and leases buildings and ground area.
    - Tenants -- Eastern Quality Foods (office area and freezer space) and Circet USA (office area and ground storage). Tenants not allowed to perform maintenance on their vehicles on the Site.
    - Site Development -- Nothing new after 2019/20.
    - Monitoring Wells -- Not aware of any.
    - Drums
        - Refrigeration oil -- 55-gallon drum.
        - Wastes
            - Refrigeration Oil -- Drummed and disposed as needed.
            - Remnants -- The facility was cleaned of any unused and/or previously stored wastes, and other materials. Drums and containers of various wastes (hazardous and non-hazardous) were staged on a pavement/slab in the southwest corner of the Site and were removed on May 2, 2025, by Clean Earth. Other waste drums (6) were staged near the western boundary for removal in the next week. The pavement where the drums were staged became stained and will be cleaned.
    - ASTs
        - ~300-gallon diesel AST in the Fire Water Pump Building. A fuel release, approximately 5-gllons on May 2, 2025, from a malfunctioning float occurred and was addressed with an absorbent. It will be cleaned up by May 8, 2025. No fuel drained out of the building.
        - Horizontal gas (chemical or natural) was purchased by the previous owner and was not installed to any operation. Cold Link Logistics does not plan to use it and plans to remove it from the Site.
    - USTs -- None.
    - Plastic Vertical Tanks -- Located on the north side of the Southern Building to collect condensate from the condensers on the roof.
    - Emergency Generator -- Has a fuel storage base. Fuel is topped off as needed. Not aware of any release from the emergency generator or the fuel filling service, or overfilling.
    - Environmental Liens -- None.
    - Environmental Violations -- None known.

- Unusual Materials (drums, containers, debris) Discovered on the Site -- None known.
- Sewage Service -- Septic systems (5).
- Water Supply -- Municipal and wells (irrigation and operational use).
- Electrical Service -- Duke Energy.
- Fires -- None during last 2.5-ytears.
- Vehicle Maintenance -- Company vehicle maintenance performed off the Site.
- Stormwater -- Catch basins drain to the municipal stormwater system.
- Flood -- Site has not flooded.
- Floor Drains -- Drain to municipal stormwater system.

7.2 SITE MANAGER

1. See Section 7.2.

7.3 OCCUPANTS

1. The Site had tenants, Eastern Quality Foods (protein food supplier) and Circet USA (telecommunications contractor). A Cercit USA representative was interviewed and stated vehicle maintenance is not performed on the Site and only household cleaners and aerosol cans of paint are stored in their office. No chemical or petroleum products are stored on the Site in their leased ground storage area.

7.4 GOVERNMENT AGENCIES

1. The following agencies were contacted and provided the following information:
    - Orange County EPD -- FDEP Oculus Database.
        - No files were found for the Site in the database.
    - Orange County EPD -- Records Request.
        - Files were found in the Petroleum Restoration, Storage Tank Compliance, and Compliance waste Management for the Site's address (2650 W. Orange Blossom Trial. Appendix J contains the response from OCEPD.
    - Central District FDEP, Waste Cleanup -- FDEP OCULUS website.
        - No files were found for the Site.
    - Central District FDEP, Tanks -- Internet website and FDEP OCULUS website.
        - Files (Appendix H) were found for the Site's address.
        - Files (Appendix I) existed for the southern adjoining property
    - Central District FDEP, Hazardous Waste -- FDEP OCULUS website and Telephone Request.
        - No files were found for the Site.

7.5 OTHERS

1. No one else was interviewed.

8.0 FINDINGS

1. Colella & Associates, Inc. performed a Phase I ESA of the Site to determine if any environmental concerns exist due to current or previous on-site operations and/or by activities on adjoining and surrounding properties located within the Central Florida Industrial Park. Our findings regarding a REC, a HREC, a CREC and/or de-minimus conditions on the Site and environmental conditions on adjoining and surrounding properties that could impact the Site, and business activity and environmental (exposure) risks are presented below.

8.1 CURRENT LAND USES

1. Based on the resources reviewed and inspection performed, the current land use(s) of the Site and relevant environmental conditions are:
    - Land Use
        - The Site was commercially developed (western portion) prior to 1947.
        - By circa 1969 the Site was developed as viewed on May 7, 2025.
        - Various businesses (trucking, dry and cold storage, ground storage) operated on the Site.
    - Environmental Conditions
        - The Site's address (2560 W. Orange Blossom Trail) was found in the tank regulatory database as FL Express Trucking having two (2) ASTs. The ASTs were removed from the Site. No records were discovered that indicated a release had occurred from the ASTs.
        - Fuel (emergency generator and Fire Water Pump) and used refrigeration oil (new and waste) is stored. Fuel (diesel) is replaced as needed. Refrigerant oil (55-gallondrum) is bought as needed and the non-hazardous waste oil disposed in a timely manner.
        - Unused product and waste oil in drums and containers were recently staged along the western boundary for appropriate disposal and have been recently removed from the Site. Staining on the pavement/slab was noted where the drums/containers were staged. The stained area was being cleaned.
        - A small (~5-gallons) diesel release occurred in the Fire Water Pump Building and was controlled and cleaned up.
        - An inactive AST was in secondary containment.

2. Based on the resources reviewed and inspection performed, the current land uses and relevant environmental conditions of the adjoining properties were:
    - North --W. Orange Blossom Trail (4-lanes with median) followed by undeveloped and commercially properties (realtor, vertical blinds, Perfect Car Corp. (used cars sales), Best Automotive (used car sales), church campus, H&M Electrical & Utilities Contractor, Getsemani Temple, Heritage, and residential). No environmental conditions were identified from the resources reviewed or by observation.
    - South -- Railroad track followed by commercially developed (warehouse type buildings) properties (Minute Maid and Coca-Cola). No environmental conditions were identified from the resources reviewed or by observation.

- East -- Undeveloped properties followed by Lake View Drive. No environmental conditions were identified from the resources reviewed or by observation.
- West -- Commercially developed property (Herc Rentals). No environmental conditions were identified from the resources reviewed or by observation.

3. Based on the resources reviewed and inspection performed, the current land uses and relevant environmental conditions of the surrounding properties were
    - North -- Single-family residentially developed. No environmental conditions were identified from the resources reviewed or by observation.
    - South -- Commercially developed. No environmental conditions were identified from the resources reviewed or by observation.
    - East -- Single-family residentially developed. No environmental conditions were identified from the resources reviewed or by observation.
    - West -- Commercially developed. No environmental conditions were identified from the resources reviewed or by observation.

8.2 HISTORIC LAND USES

1. Based on the resources reviewed, the historic land use of the Site appears to have been a citrus grove. No environmental conditions were identified from the resources reviewed or by observation to determine if management products were stored and/or mixed on the Site. Management of a citrus grove uses pesticide, herbicide, and fertilizer products. The storage and mixing areas are typically areas of a possible environmental condition.
2. Based on the resources reviewed, the historic land uses and relevant environmental conditions of the adjoining properties were:
    - North -- Rural residential properties and citrus groves. No environmental conditions were identified from the resources reviewed or by observation.
    - South -- Undeveloped and residentially developed properties. No environmental conditions were identified from the resources reviewed or by observation.
    - East -- Undeveloped and residentially developed properties. No environmental conditions were identified from the resources reviewed or by observation.
    - West -- Commercially developed properties. Undeveloped and residentially developed properties. No environmental conditions were identified from the resources reviewed or by observation.
3. Based on the resources reviewed, the historic land uses and relevant environmental conditions of the surrounding properties were:
    - North -- Rural residential properties and citrus groves. No environmental conditions were identified from the resources reviewed or by observation.
    - South -- Undeveloped properties with natural ground cover and no business activity. No environmental conditions were identified from the resources reviewed or by observation.
    - East -- Undeveloped properties with natural ground cover. Rural residential properties and citrus groves. No environmental conditions were identified from the resources reviewed or by observation.

- West -- Commercially developed properties. No environmental conditions were identified from the resources reviewed or by observation.

8.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

1. Based on the information obtained and reviewed, a CREC was not identified on the Site.

8.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HREC)

1. Based on the information obtained and reviewed, a HREC was not identified on the Site.

8.5 ON-SITE DE-MINIMUS CONDITIONS

1. Based on observations during the inspection, de-minimus conditions, oil-stained pavements (staged waste drums) and Fire Water Pump Building (diesel release), were noted.

8.6 BUSINESS ACTIVITY & ENVIRONMENTAL (EXPOSURE) RISKS

1. Business environmental risks were assessed and the findings were as follows regarding the potential to be a business risk and/or cause a REC to the site through the business activity and/or its presence:
    - Current On-Site Business Activity -- No concern. The operations appear to be managed to minimize the development of an environmental condition.
    - Historic Business Activity -- No concern. The Site was undeveloped and did not have any business activity.
2. In addition to business activity concerns, business environmental (exposure) risks, asbestos and/or lead, in suspect asbestos construction building materials (ACBM) or in paint coatings of building materials, respectively, were assessed. Accordingly, our findings are:
    - ACBM -- The buildings had suspect ACBM (flooring/mastic, wallboard, pipe-wraps, caulking and joint compound).
    - Lead-Based Paint (LBP) -- The buildings had painted surfaces (interior and exterior).
3. PFAS concerns (manufacturing of PFAS compounds or use of PFAS compounds in manufacturing) were not identified from the current and recent businesses on the Site.

9.0 OPINION

1. Colella & Associates, Inc. performed a Phase I ESA of the Site and presented our findings in Section 8.0. Based on the findings, the following are Colella & Associates, Inc.'s opinion regarding the presence of a REC, CREC, HREC, de-minimus conditions associated with the Site, and the environmental concerns on the adjoining and surrounding properties that could cause an impact to the Site. In addition, our opinion of the business activity and environmental (exposure) risks is presented for the Site.

9.1 CURRENT LAND USES

1. Based on the findings, the available information and observations of the current Site's uses has not identified a condition to cause a significant environmental threat to the Site. The following addresses the environmental conditions noted during the inspection:
    - Diesel release in the Fire Water Pump Building -- No concern. De-minimus amount within the building that did not drain into the environment and was cleaned up on May 12, 2025.
    - Staged waste drums for disposal -- No concern. Reportedly, drums were being removed shortly after the inspection on May 7, 2025.
    - Stained pavement/concrete from former and current (6) staged waste drums -- No concern. Stained area was scheduled for cleaning after removal of the currently staged drums. Staining did not extend off the pavement/concrete and appeared to be surficial, indicating that the stain was relatively recent and was not a result of a continued release.
2. Based on the findings, the available information and observations of the current adjoining properties' land uses did not identify an environmental condition that would cause a significant environmental threat to the Site.
3. Based on the findings, the available information provided adequate justification that the current surrounding properties' land uses have environmental conditions. The available information provided adequate justification that the environmental conditions would not cause a significant environmental threat to the Site because of their distance and/or their location regarding the groundwater flow direction.

9.2 HISTORIC LAND USES

1. Based on the findings, a REC has not been identified from the historic land uses of the Site. The historic land use appears to be commercial (western end), citrus grove, and single-family residential (eastern end). A citrus grove typically uses products (pesticide, herbicide, and fertilizer) to manage and protect the growth of the citrus trees. The storage and mixing of the management products is typically an area where a release could occur. Available resources did not show when the Site was fully a citrus grove and if a building was present that could indicate storage/mixing was performed on the Site. Resources to document the land use prior to 1947 were not readily available to review the conditions of the citrus grove.
2. Based on the findings, environmental conditions have not been identified from the historic land uses of the adjoining properties except for citrus groves. The potential for the storage and mixing of citrus management products exists but readily available resources were not readily available to review the conditions of the citrus grove(s).

3. Based on the findings, environmental conditions have not been identified on the historic surrounding properties' land uses except for citrus groves. The potential for the storage and mixing of citrus management products exists but readily available resources were not readily available to review the conditions of the citrus grove(s).

9.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

1. A REC from a CREC was not identified on the Site.

9.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HREC)

1. A HREC was not identified on the Site.

9.5 ON-SITE DE-MINIMUS CONDITIONS

1. De-minimus conditions for the current land use of the Site did exist as oil-stained areas.

9.6 BUSINESS ACTIVITY & ENVIRONMENTAL (EXPOSURE) RISKS

1. Business activity risks were assessed, and the findings were as follows regarding the potential to cause a REC to the Site through the business activity and/or its presence:
    - Current On-Site Business Activity -- No concern, limited chemical and petroleum product use and noticeable good management practices regarding the handling of products that are used and associated wastes that are generated.
    - Historic On-Site Business Activity -- No concern, no business activity except for the management of a citrus grove.
2. The findings of the environmental (exposure) business risks associated with asbestos and/or lead were as follows:
    - ACBM – The buildings were built prior to the ban (1980) of using asbestos in construction materials. No construction debris stockpiles were found on the Site that could contain ACBM. One or more of the following actions may be required to address the potential presence of an ACBM:
        - Asbestos Survey -- Collect representative samples of the suspect ACBM and analyze the samples for the presence of asbestos. If the results show no asbestos fiber detections, no further action is required. If the results show asbestos fibers at a concentration above the regulatory level, subsequent actions, abatement and/or Operations & Maintenance (O & M) Plan, are required for continued use of the building. If the building is to be demolished an asbestos survey would identify the need to abate the identified ACBM prior to demolition activities.
        - Abatement -- If asbestos is detected above the regulatory level, the materials will need to be abated by removal before demolition or will need to be removed and/or sealed/secured for continued operation. If the suspect ACBM is not removed, the material must be posted (asbestos containing) and an Operation & Maintenance (O&M) Plan must be prepared and implemented.
        - O&M Plan -- An O&M Plan identifies the appropriate means to perform the necessary repairs to the suspect materials by employees and/or subcontractors. Employees and subcontractors performing maintenance/repair work will need to be trained in handling the ACBM. If an ACBM survey is not performed, then all suspect ACBM must be considered ACBM. The suspect ACBM must be posted, and all employees and tenants must be informed of the suspect ACBM.

- Lead-Based Paint -- The buildings were built prior to the ban (1980) of using lead in paint. The presence of lead in the observed paint coatings is considered possible. No construction debris stockpiles were found on the Site that could contain painted materials. One or more of the following actions may be required to address the potential presence of a lead-based paint coating.
  - Renovations -- If the paint coating is to be removed, the paint coating would need to be sampled and analyzed for the presence/absence of lead. The results will provide the information necessary to determine the appropriate removal and disposal requirements.
  - Demolition -- If a building is to be demolished, the debris should be disposed of in an environmental landfill, not a construction/debris landfill.
  - Continued current operations -- No actions required. If the existing buildings were to be used for residential and/or childcare, the painted surface would need to be analyzed for the presence of lead and the subsequent handling.

3. PFAS compounds associated with the businesses on the Site were not present.

9.7 VAPOR MIGRATION

1. Based on the Tier I Screen Guidance of ASTM E 2600-10 for vapor intrusion, the generally acceptable area of concern for petroleum hydrocarbon releases is within 600-feet and for solvent releases is within 1,760-feet of the site. Our opinion of the vapor migration concern is summarized below:
   - Site -- No concern exists, as there is no potential source.
   - Adjoining Properties -- No concern exists, as there is no known potential source.
   - Surrounding Properties -- No concern exists, as potential vapor sources are located outside the area of concern.

9.8 FURTHER ASSESSMENT

1. Further assessment of the Site is not warranted based on the observed conditions and resources reviewed.

10.0 CONCLUSIONS

1. Colella & Associates, Inc. performed a Phase I ESA of the Site and presented our findings in Section 8.0. Based on the findings, the following conclusions regarding the presence of a REC, CREC, and vapor migration are presented below for the Site, and adjoining and surrounding properties.

10.1 CURRENT LAND USES

1. Based on the findings of the current land uses of the Site, a REC or likely REC has not been identified.
2. Based on the findings, no conditions have been identified on the adjoining properties that could result in a likely REC or REC on the Site.
3. Based on the findings, some of the current surrounding properties' land uses have identified environmental conditions. Because the associated surrounding properties are located at a distance to the Site, they do not present conditions to result in a likely REC or REC on the Site.

10.2 HISTORIC LAND USES

1. Based on the findings, a REC has not been identified from the historic land use of the Site.
2. Based on the findings, no conditions have been identified from the historic land uses of the adjoining properties to result in a likely REC or REC on the Site.
3. Based on the findings, no conditions have been identified from the historic land uses of the surrounding properties to result in a likely REC or REC on the Site.

10.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

1. A CREC was not identified on the Site.

10.4 VAPOR MIGRATION

1. Based on the findings, the potential for vapor migration does not appear to exist from the use of the AST on the Site, and the absence of a source on the adjoining and surrounding properties.

10.5 DATA GAPS

1. The following data gaps are identified as part of this Phase I ESA:
    - The historical research did not satisfy the 5-year interval period. This inability is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. For the purposes and intent of this report, this data failure is not considered significant.
    - The user did not provide a chain of title for the Site. This is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. The environmental professional is not responsible for the acquisition of the chain-of-title.
    - All the land uses on the Site may not be identified because of the limited reasonably available resources. For the purposes and intent of this report, this data failure is considered significant, but with the absence of readily available resources, data gaps cannot be resolved.
    - The historical research did not extend to 1940. This inability is considered a deviation from the ASTM 1527-21 standard and constitutes a data failure. The earliest aerial photograph (1947) indicates that the Site and the

surrounding area had limited commercial and rural residential development with citrus groves. It is our opinion that a resource is not reasonably available to address the land use(s) and possible environmental concerns before 1947. Based on the 1947 aerial, the Site and the surrounding area most likely would be primarily undeveloped with citrus groves.

11.0 DEVIATIONS

1. Colella & Associates, Inc. performed a Phase I ESA of the Site in accordance with the ASTM Standard E 1527-21.

11.1 DELETIONS

1. There were no deletions from the ASTM Standard.

11.2 ADDITIONS -- NON-SCOPE CONSIDERATIONS

1. There were no additions to the ASTM Standard.

12.0 ADDITIONAL SERVICES

1. No additional services were requested.

13.0 REFERENCES

1. Reference materials used to assess the Site for a REC included the following:
    - Aerial photographs of Orange County (Section 06, Township 21, Range 28) from the Florida Department of Transportation website.
    - Aerial photographs from Orange County's Property Appraiser's website.
    - Aerial photographs from the University of Florida Library's Aerial Photography of Florida website.
    - Orange County Clerk of Courts website.
    - Orange County Environmental Protection Division.
    - FDEP OCULUS database website.
    - Orange County Property Appraiser website files.
    - U. S. Fish & Wildlife Service's National Wetlands Inventory website.
    - National Flood Insurance Program Flood Insurance Rate Map.
    - 1960, 1960 (Photo-revised 1980), 2012, 2015, 2018, 2021, and 2024 Apopka, Florida, USGS Quadrangle Maps.
    - Environmental Database Report prepared by ERIS, dated April 23, 2025.
    - Physical Setting Report prepared by ERIS, dated April 23, 2025.
    - City Directory Report prepared by ERIS, dated April 29, 2025.
    - Fire Insurance Maps Report prepared by ERIS, dated April 23, 2025.
    - Historic Aerials Report prepared by ERIS, dated April 24, 2025.

14.0 SIGNATURE AND QUALIFICATION

May 15, 2025

Mandich Group

Colella & Associates, Inc. has completed a Phase I Environmental Site Assessment (ESA) of the subject property (Site) located at 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) in Apopka, Orange County, Florida. We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional. We have the specific qualifications based on education, training, and/or experience to assess a property of the same nature, history, and setting of the subject property in conformance with the generally accepted Phase I ESA standards and practices.

This Phase I ESA was performed in general accordance with the current ASTM Standard E 1527-21, except as noted in Section 2.4 of this report. This report presents the results of our findings from visual surveys, evaluation of available data, and discussions with personnel knowledgeable of the properties and various governmental agencies.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of this part [40 CFR Part 312]. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

James C. Colella, P.E.
Principal
Florida Registration No. 41545
15 May 25

JAMES C. COLELLA, P. E.

Mr. Colella has over 30 years of experience in assessing, designing, building and negotiating solutions to environmentally sensitive issues/operations. In Florida, Mr. Colella has worked and negotiated with local and state regulatory agencies in preparing permit applications, consent orders, work plans and final reports associated with assessments and remedial actions. Mr. Colella has the experience in understanding the technical issues, the implementability of a solution, the applicable regulatory requirements and the business impact. The integration of these aspects is critical in resolving environmental concerns/issues and achieving regulatory compliance. As Project Manager, Mr. Colella's understanding of these aspects for any project provides the experience required to minimize the work to fulfill the client's objective while complying with regulatory criteria.

EXPERIENCE

November 1995 to Present: Principal, Colella & Associates, Inc.

- Managed/performed tasks associated with a petroleum contamination assessment for a freight transportation facility in Jacksonville, Florida. Tasks included characterizing the subsurface soils by drilling exploratory borings, delineating the impacted ground water plume in a phased process by installing monitoring wells and sampling/analyzing the ground water, reducing the data to determine need for subsequent assessment and/or remedial action tasks. A Contamination Assessment Report was prepared that recommended Monitoring Only based on the site characterization and regulatory standards.
- Managed/performed a consent order RCRA Generator Closure at a manufacturing facility in Volusia County, Florida. The facility was cited for improperly discharging a neutralized wastewater into the soils and ground water on the site. The scope of work included the preparation/submittal of a Quality Assurance Project Plan, an Initial Remedial Action Plan and a Work Plan to demonstrate how work would be performed, the performance of source removal and site assessment activities (exploratory boring, monitoring wells, sampling/analysis), and preparation of a Contamination Assessment Report. The work involved routine interaction with the Florida Department of Environmental Protection (FDEP) Central District to understand their objectives and focus the work. Based on our assessment and site characterization data, a No Further Action recommendation was submitted to the FDEP for approval.
- Managed/performed a consent order RCRA Generator Closure for an airplane maintenance facility in Polk County, Florida. This project involved the ground water sampling and certificates of completion of the identified Plans for Restoration (PFR). Oversight of the activities performed by the client was provided to document and certify the work met the FDEP approved PFR. Ground water sampling was performed to demonstrate the ground water quality was not impacted above regulatory standards/guidances by the former operations. Based on the work performed, certifications were submitted that demonstrated the site met the "Clean Closure" conditions.
- Managed/performed the operation and maintenance (O & M) activities of a soil vapor extraction and ground water extraction/treatment Corrective Action System (CAS) at a site impacted by mineral spirits in Tallahassee, Florida. The CAS and O & M activities were conditions of a RCRA Closure Permit. The O & M activities include system inspections/maintenance, ground water and vapor sampling, and preparing/submitting quarterly reports. The system includes soil vapor vacuum wells, and dewatering, recovery wells, and monitoring wells.
- Managing/performing the operation and maintenance (O & M) activities of a groundwater extraction/treatment system at a site impacted by petroleum hydrocarbons in St. Augustine, Florida. The ground water extraction/treatment system was installed by others in accordance with the approved Remedial Action Plan (RAP). Our activities included monthly inspections of the system with sampling/analysis to confirm the required treatment is being achieved and quarterly sampling/analysis to evaluate the performance of the extraction system to recover the impacted ground water. Reports are prepared quarterly with an annual report presenting trends and recommendations.

- Performed property transaction environmental site assessments (Phases I, II and/or III) for lending institutions, buyers and sellers in accordance with the current ASTM criteria. Properties have included shopping centers, manufacturing facilities, former industrial areas, commercial businesses and vacant/undeveloped land. Phases II and III activities have included sampling/analysis of wastes, installation of ground water monitoring wells, soil vapor surveys, soil and ground water sampling/analysis, and removal activities.
- Provided EPA and OSHA training for confined space, respirator use, hazardous waste operations to manufacturing companies' employees.
- Prepared air permit applications for Title V and non-Title V air emission sources at various manufacturing facilities in Florida.
- Performed clean-up activities of business activities that were abandoned by the operator. Activities include the characterization of various containers and materials, scheduling and managing applicable contractors in the removal and disposal of the materials (hazardous and non-hazardous), and the cleaning of the building for subsequent use.
- Performed an engineering evaluation of chromate copper arsenate pressure treatment drip pad for a wood treating facility in Polk County, Florida. The evaluation was and is performed annually in accordance with the associated EPA drip pad regulations in Subpart W, 40 CFR 265.443(a) through (f).
- Provided regulatory compliance assessments for various manufacturing facilities in Volusia, Orange, and Polk Counties in Florida. The assessments identify violations and shortcomings, and recommendations to achieve compliance.

January 1994 - November 1995: Southeast Regional Manager/Director of Projects, TRC/Environmental Solutions, Inc.

- Responsible for the management and technical performance of projects involving:
  - Permitting; air, water, solid/hazardous waste.
  - Property Environmental Assessments and Facility Environmental Compliance Evaluations.
  - Consent order negotiations.
  - Interpretation of regulations and negotiation of work plans.
  - Investigations/assessments associated with CERCLA and RCRA and non-CERCLA/non-RCRA sites.
  - Engineering analyses (stability, hydrologic, hydraulic) associated with the design of a new storage disposal facilities, closures, and to support remediation activities/corrective measures studies.
  - Engineering design.
  - Preparation of construction plans, specifications, and bid documents for remedial designs.
- Managed/performed over 15 projects associated with the underground and above ground storage tank petroleum regulations. These have included CARs, RAPs, RAP implementations, and Operation and Maintenance and Monitoring.
- Managed technical staff in preparing an Air Permit Application for the painting operation at a steel fabrication facility in Florida. The Jacksonville District Office of the Florida Department of Environmental Protection was the reviewing agency.
- Managed/prepared "Plans For Restoration" for the closure of various areas at an airplane maintenance facility in central Florida. The plans for restoration identify how the cleanup will be achieved within 180 days so that a post-closure permit is not required. The Tampa District and Tallahassee division offices of the Florida Department of Environmental Protection were involved in reviewing this project.
- Managed/performed a contaminated assessment of a solvent spill/release on a barrier island in Florida. The assessment has been performed and a contamination assessment report has been prepared and submitted to the Orlando District office of the Florida Department of Environmental Protection. A "No further Action" or "Monitoring Only Plan" is being recommended.
- Managed/prepared a Corrective Action Plan (CAP) in accordance with RCRA regulations for a site impacted by mineral spirits and solvents. The CAP addressed the clean-up of the ground water by recovery (extraction wells) treatment (air stripping and discharge to a POTW).

- Managed the installation of ground water and soil Corrective Action System at RCRA sites in accordance with associated permits. These systems included soil vapor and ground water extraction and treatment.

1993 - Independent Consultant, Bruder Stephens, Inc.

- Performed an environmental audit of a research/development and chemical analytical laboratory in St. Petersburg, Florida. This audit compliance, operational and management, included the inspection of the builds, operations and files, detailed interviews with key operations and management personnel and an oral presentation of findings/recommendations followed by a written document.
- Performed numerous commercial property transaction audits (Phase I Environmental Site Assessments) within Florida in accordance with client's specific requirements (Barnett Banks, FNC, FDIC, First Union Bank) or ASTM Standard E1527. Recognized environmental conditions, if identified, were assessed (Phase II) to confirm the impact and if necessary, to delineate the extent and/or remediate (Phase III) the impact.
- Prepared and implemented a contamination assessment plan in accordance with the consent order for a site formerly operated as an electronic manufacturer on a barrier island in Florida. The property was identified as being impacted by TCE and PCE. The contamination assessment report is being prepared to define the impact and to identify the need, if any, of any remedial action.
- Prepared and implemented an Interim Remedial Action Plan to remove contaminated soils and construction debris as hazardous waste for TCE and PCE contamination from an electronics' operation facility in Florida.
- Characterized and managed the removal of unknown containerized and stockpiled materials from a steel fabrications operation in Tampa, Florida. Sampling/analyses was performed for disposal characterization. Materials were identified as hazardous (72 drums) and non-hazardous (1500 cubic yards) waste and disposed of in accordance with applicable regulations.
- Negotiated a consent order for the performance of a Contamination Determination Report (CDR) with the Florida Department of Environmental Protection to document the presence/absence of contamination and proposed closure actions at an airplane stripping/painting operation in Lakeland, Florida. Contamination assessment activities and closure action evaluations are being performed to prepare and submit the CDR.

May 1991 - December 1992 - Manager, Florida Environmental Engineering Service, ATEC Associates, Inc.

- Responsible for the technical performance of all environmental projects; environmental sales and sales strategies; proposal and cost estimate preparation and review; project management training; technical/sales presentations; staffing/organization planning; and maximizing profits while minimizing liabilities within Florida. Offices for which this effort was provided included Pensacola, Jacksonville, Orlando, Tampa, West Palm Beach and Miami. Projects ranged from environmental compliance audits, environmental site assessments, contamination assessments, and RCRA investigations.

- Assisted in developing the Tampa Environmental Division; opening of the Pensacola office to provide environmental services and expanding the environmental staff's in the Jacksonville and Tampa offices.

1987 - 1991 - General Manager of Engineering, IT Corporation

- Responsible for the overall management, financial and technical performance of the Tampa office. Projects have included remedial investigations and feasibility studies, site assessments, design and field management, RCRA Part B applications, site closure plans, environmental audits, underground storage tank assessment, waste characterization studies, and computer modeling for hazardous and non-hazardous waste projects. Specific duties/projects include:
  - Established a "green field" office in Tampa with no backlog in 1988 which grew to a staff of 36 with revenues exceeding $5 million in 1991.
  - Management of a staff of 36 personnel located in Tampa, Ocala, and Orlando which provide assessment, engineering analysis and design services for environmental concerns separately or as a "turnkey" effort.
  - Responsible for profit/loss performance of Tampa, Ocala, and Orlando offices.

- Negotiated contract with NAS Southern Division to perform a RI/FS and other environmental studies/programs at NAS Stations in Key West and Jacksonville, Florida.
- Prepared proposals, negotiated contracts and provided technical direction/reviews for CERCLA and RI/FS activities on landfills in Georgia and Florida. In addition, assisted in negotiations with the EPA Region IV for approval of work plans and associated documents.
- Evaluated data, prepared technical and cost proposals for performances of environmental audits, engineering designs, RI/FS and RFA/RFI/CMS projects.

- Performed a senior technical review of an environmental risk audit of a fertilizer manufacturing facility. This audit identified possible spill/release scenarios and existing control with recommendations to establish new/additional preventative programs in the various operations.

1985 - 1987 - Section Manager, Civil Geotechnical Design Engineering, IT Corporation

- Responsible for technical assistance in RI/FS projects and design of landfills (hazardous and non-hazardous) and associated structure. In conjunction, managed numerous projects and performed administrative responsibilities.
- Evaluated data, prepared technical and cost proposals for performances of environmental audits engineering designs, RI/FS and RFA/RFI projects.
- Management of a staff of engineers/scientists in performance of a remedial action design (slurry wall, impermeable cap, ground water extraction and treatment) for a New Jersey Superfund site through the U.S. Corps of Engineers (COE), Kansas City District.
- Management and technical support in a site selection study (design and economic considerations, site conditions, costs) for regional, national, or multiple sightings of a landfill and incinerator to handle various waste streams from an industrial client.
- Interaction with local, state and federal regulatory agencies in the preparation of appropriate permit (Part B, NPDES) and implementation of operational plans according to the regulations.
- Management and technical direction for a Part B permit application for a hazardous Waste Disposal Facility including the detailed engineering designs for electric arc furnace dust.
- As the Section Manager of the Civil/Geotechnical Design Group, managed a staff of engineers/scientists in performing similar projects. These responsibilities include: coordinating and scheduling project work and staffing; providing supervision and direction for the project staff; coordinating subcontractor activities; interfacing with clients; and maintaining corporate quality control procedures in the performance of the project. In addition, evaluated and developed scope of work and associated budgets and prepares proposals for new work.

1984 - 1985 - Project Manager, NUS Corporation, PEC Division

- Developed work plans and budgets and prepared proposals to investigate, evaluate, and/or design hazardous waste sites/disposal facilities. In addition, provided technical assistance in the performance of the project as well as being project manager (budget and schedule tracking). Services as a project manager in the U.S. Environmental Protection Agency (USEPA) Superfund project in areas of supervisory, planning, reviewing, implementation, and technical interpretation of results for the RI/FS. Performed such duties for Superfund sites in EPA Regions III and IV.

1974 - 1983 - Senior Project Engineer, D'Appolonia Consulting Engineers, Inc.

- Developed extensive experience in the design and operation of solid waste disposal facilities for coal reuse, ash wastes, paper waste, steel processing wastes, and hazardous wastes.
- Managed a staff of engineers/scientists and/or performed site investigations, engineering analyses, economic evaluations, and construction supervision for waste disposal facilities (hazardous and non-hazardous).
- Performed surficial and subsurface investigations and engineering analyses for designs, investigations and economic evaluations of over 50 waste disposal projects related to the coal industry in Pennsylvania, Kentucky, Virginia, West Virginia, and Ohio.

- Developed construction plans, specifications, and bid packages to implement the design.
- Provided liaison for clients with regulatory agencies.
- Prepared appropriate state and federal permit applications, National Pollution Discharge Elimination System (NPDES), and portions of Resource Conservation Recovery Act (RCRA) Part B applications.

EDUCATION

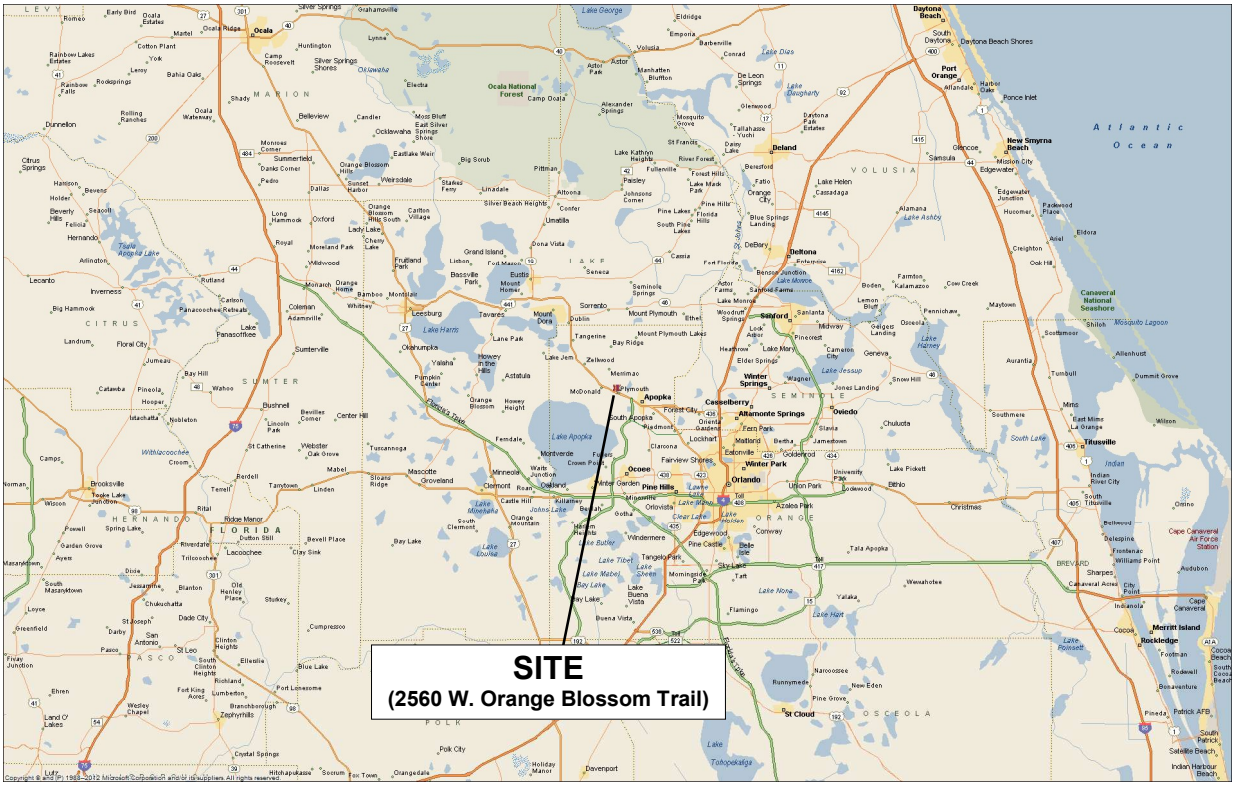
Graduate courses toward M.S., Civil Engineering, University of Pittsburgh, Pittsburgh, PA.
B.S., Civil Engineering, University of Pittsburgh, Pittsburgh, Pennsylvania, 1974.
B.A., Mathematics, St. Vincent College, Latrobe, Pennsylvania, 1974

TRAINING

Project Management (40 Hour Course) - IT Corporation; 1990.
Training Technical People into Strong Project Managers, Professional Services Management; 1990.
RCRA - McKoy and Associates; 1992
Total Quality Management Facilitator (40 Hours), ODI; 1992.
OSHA 1910.120 -- 40 Hour, supervisor and refreshers

REGISTRATIONS

Professional Engineer - Pennsylvania (test), Alabama, Georgia, Florida, and Kentucky



SITE VICINITY MAP

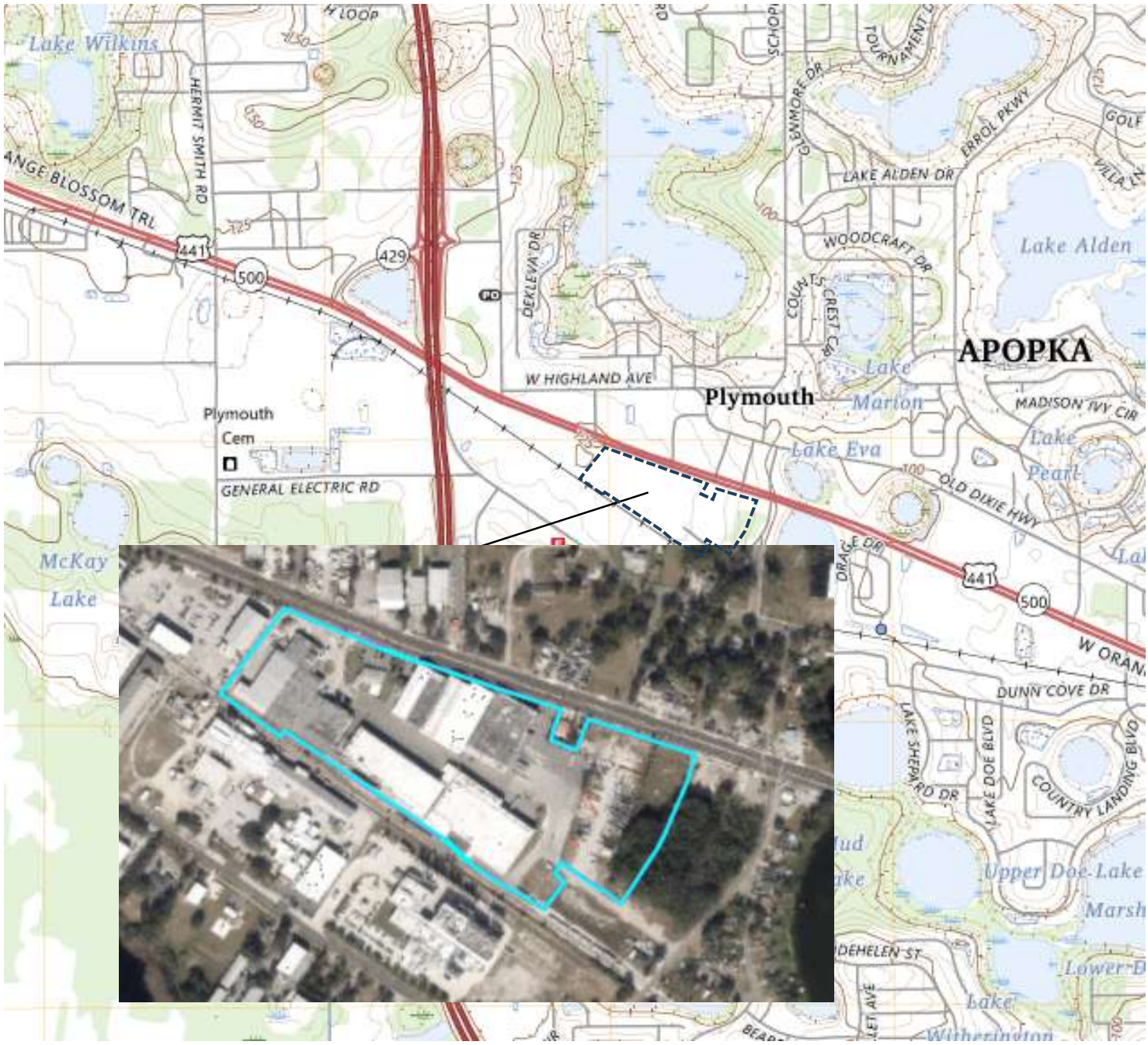


SITE LOCATION MAP



FIGURE 1
SITE VICINITY AND LOCATION MAPS
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:
2024 APOPKA, FLORIDA, U. S. G. S. QUADRANGLE MAP

FIGURE 2
PHYSICAL SETTING MAP -- 2024
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:
2018 APOPKA, FLORIDA, U. S. G. S. QUADRANGLE MAP

FIGURE 3
PHYSICAL SETTING MAP -- 2018
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



FIGURE 4

PHYSICAL SETTING MAP -- 2012

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:
2012 APOPKA, FLORIDA, U. S. G. S. QUADRANGLE MAP

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

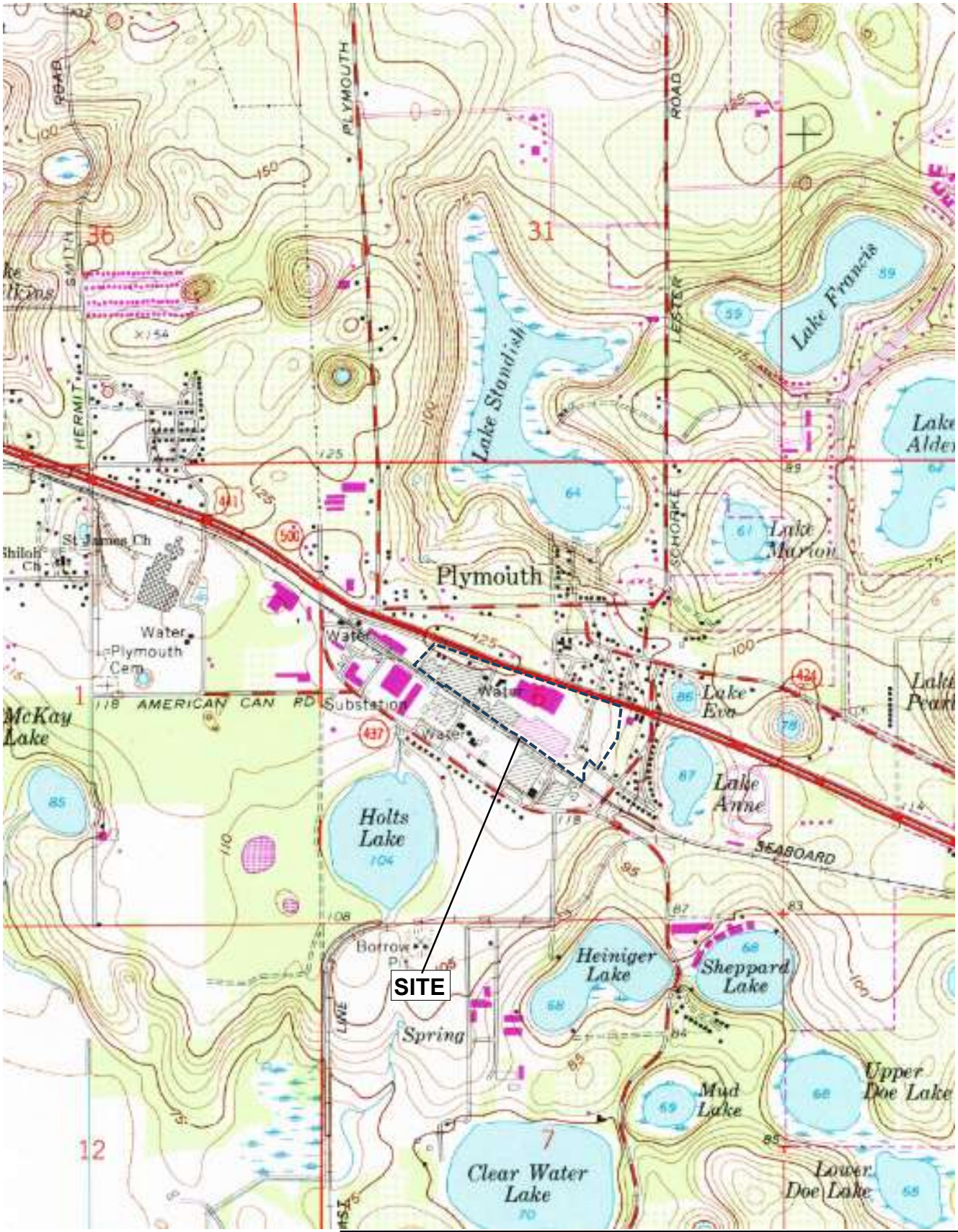


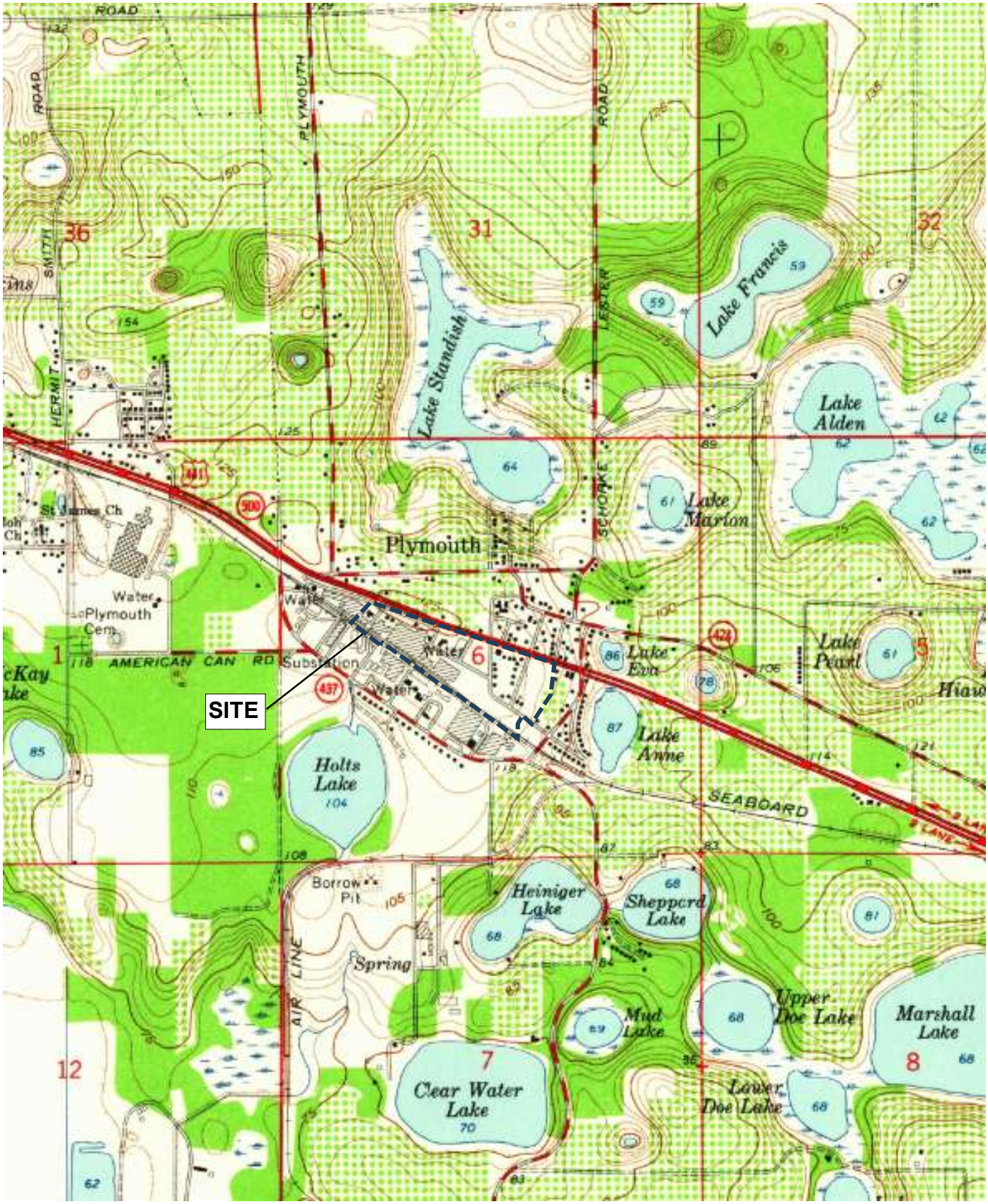
FIGURE 5

PHYSICAL SETTING MAP -- 1960 (PHOTO-REVISED 1980)

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:
1960 (PHOTO-REVISED 1980) APOPKA, FLORIDA,
U. S. G. S. QUADRANGLE MAP

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:
1960 APOPKA, FLORIDA U. S. G. S. QUADRANGLE MAP

FIGURE 6

PHYSICAL SETTING MAP --1953

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115

COLELLA & ASSOCIATES, INC.

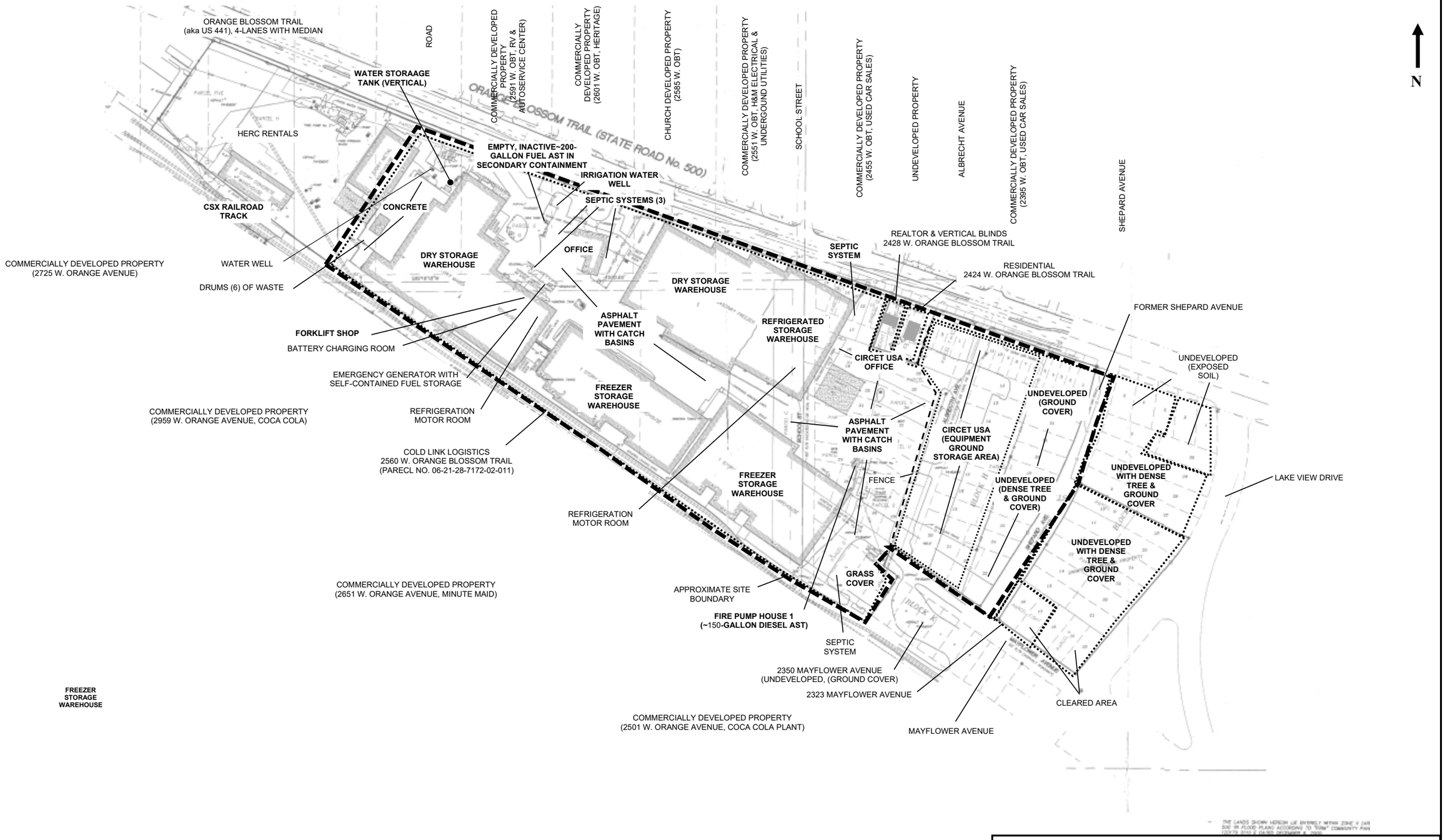


FIGURE 7

SITE PLAN

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



1. Emergency generator (south of the office building).



2. Septic system (west of the emergency generator).



3. Septic system (west side of the office building).



4. Septic system (east of the southeastern building).

FIGURE A-1
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



5. Septic system (east of the northern building).



6. Septic system (east side of the office building).



7. Fire pump house with ~150-gallon diesel AST.



8. Diesel AST and fire water pump in Fire Pump Building.

FIGURE A-2
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

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9. Area of fuel release inside the Fire Pump Building.





10. Area near the diesel AST in the Fire Pump Building after cleanup.



11. Solid waste roll-off box on the south side of the northern building.



12. Contents of solid waste roll-off box.

FIGURE A-3
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



13. Pad transformer near southeast corner of the office building.



14. Propane tanks storage cages located west of the office building.



15. Inactive empty AST in secondary containment located west of the office building.



16. Water supply well and storage tank located in the northwest area of the Site.

FIGURE A-4
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

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17. Solid waste roll-off boxes located in the western end of the Site.



18. Contents of the roll-off boxes.



19. Drums of waste stage for removal located along the western boundary.



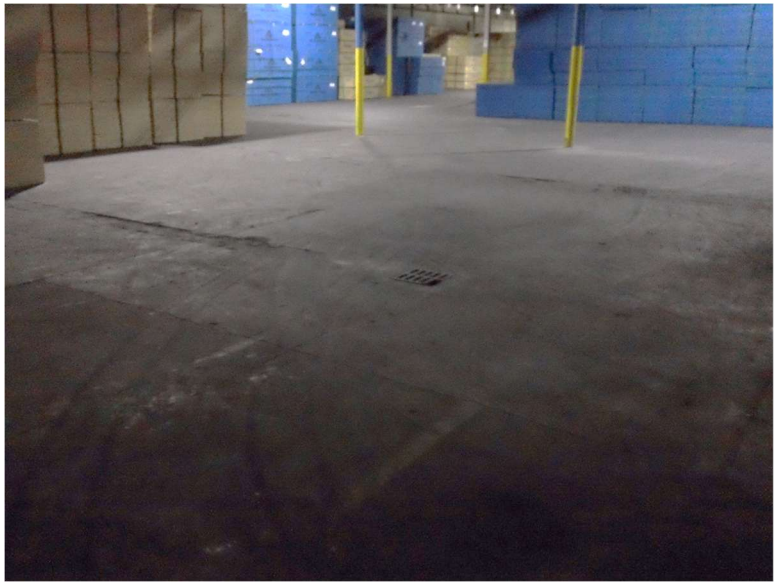
20. Area of previously staged drums that were recently removed for disposal.

FIGURE A-5
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



21. Contents of the western dry storage warehouse building.



22. Floor drain (typical) in the western dry storage warehouse building.



23. Forklift maintenance room in the western dry storage building.



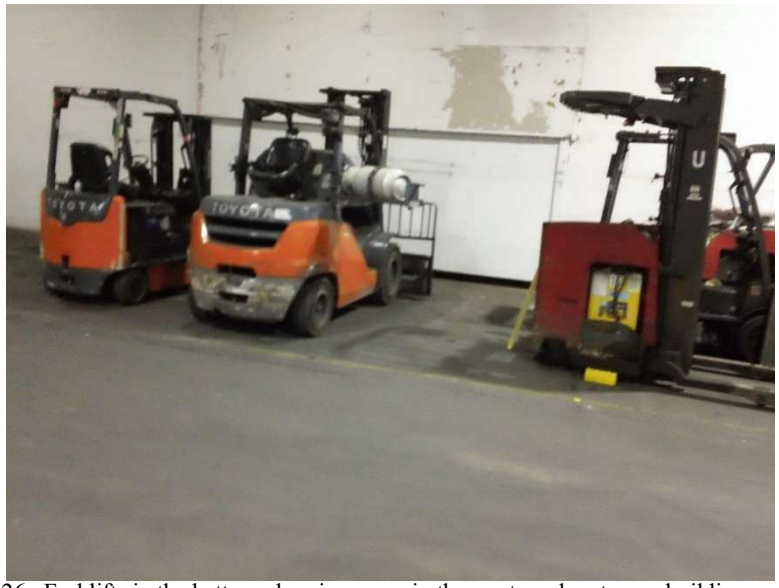
24. Flammable storage cabinets in the forklift maintenance room in the western dry storage building.

FIGURE A-6
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



25. Battery charging room in the western dry storage building.



26. Forklifts in the battery charging room in the western dry storage building.



27. Tank near western dry storage building.



28. Looking a the southern refrigerated and freezer storage warehouse buildings.

FIGURE A-7
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



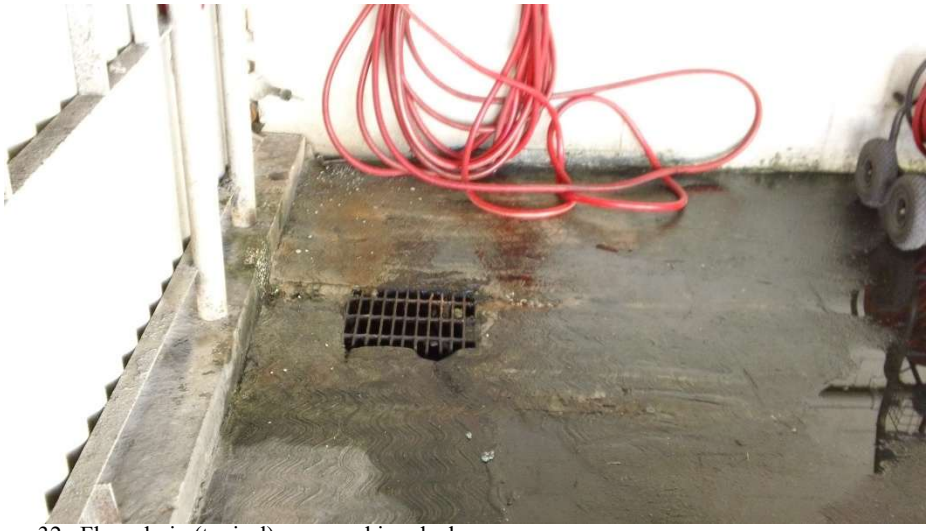
29. Tanks along north side of the southern building collecting condensate from the condensing towers.



30. Looking west along the southern boundary of the Site.



31. Looking east along the southern boundary of the Site.



32. Floor drain (typical) on a working dock.

FIGURE A-8
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



33. Fire water valve located in the southeast portion of the Site along the southern boundary.



34. Circet USA (tenant) storage yard locate in the eastern portion of the Site.



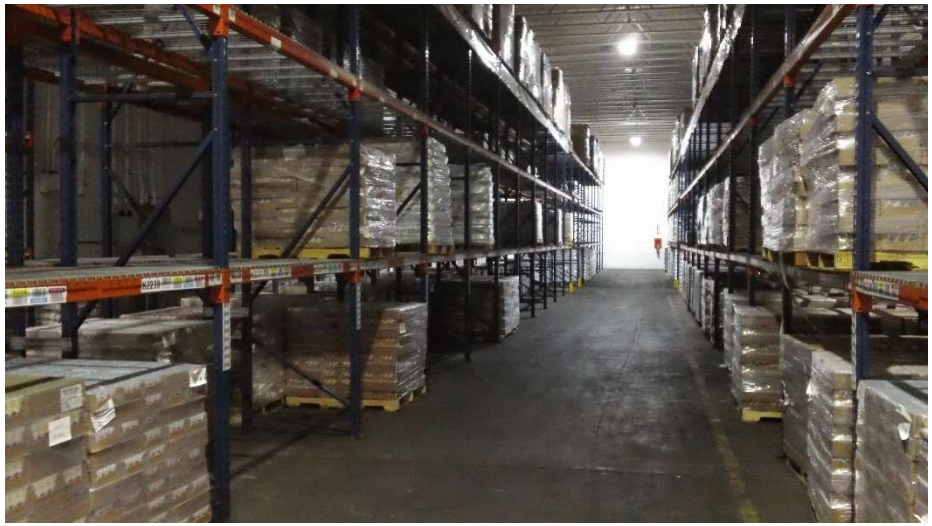
35. Looking north into Circet USA (tenant) ground storage area in the eastern portion of the Site.



36. Interior of the dry storage warehouse in the northern building.

FIGURE A-9
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



37. Interior of the dry storage warehouse in the northern building.



38. Motor room and drum of refrigerant oil in the northeast corner of the western dry storage building.



39. Motor room in the northeast corner of the western dry storage building.



40. Looking north along the eastern boundary, undeveloped portion of the Site.

FIGURE A-10
PHOTOGRAPHIC DOCUMENTATION
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

APPENDIX B

AERIAL PHOTOGRAPHS

- B-1, 2025
- B-2, 2025 (Site)
- B-3, 2019
- B-4, 2013
- B-5, 2007
- B-6, 1999
- B-7, 1990
- B-8, 1987
- B-9, 1978
- B-10, 1969
- B-11, 1954
- B-12, 1947



FIGURE B-1

2025 AREA AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

2025 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



FIGURE B-2

2025 SITE AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

2025 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21 RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:

2019 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

FIGURE B-3

2019 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115		COLELLA & ASSOCIATES, INC.



FIGURE B-4

2013 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

2013 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



FIGURE B-5
2007 AERIAL PHOTOGRAPH
COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

2007 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115

COLELLA & ASSOCIATES, INC.

N



REFERENCE:

1999 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

FIGURE B-6

1999 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

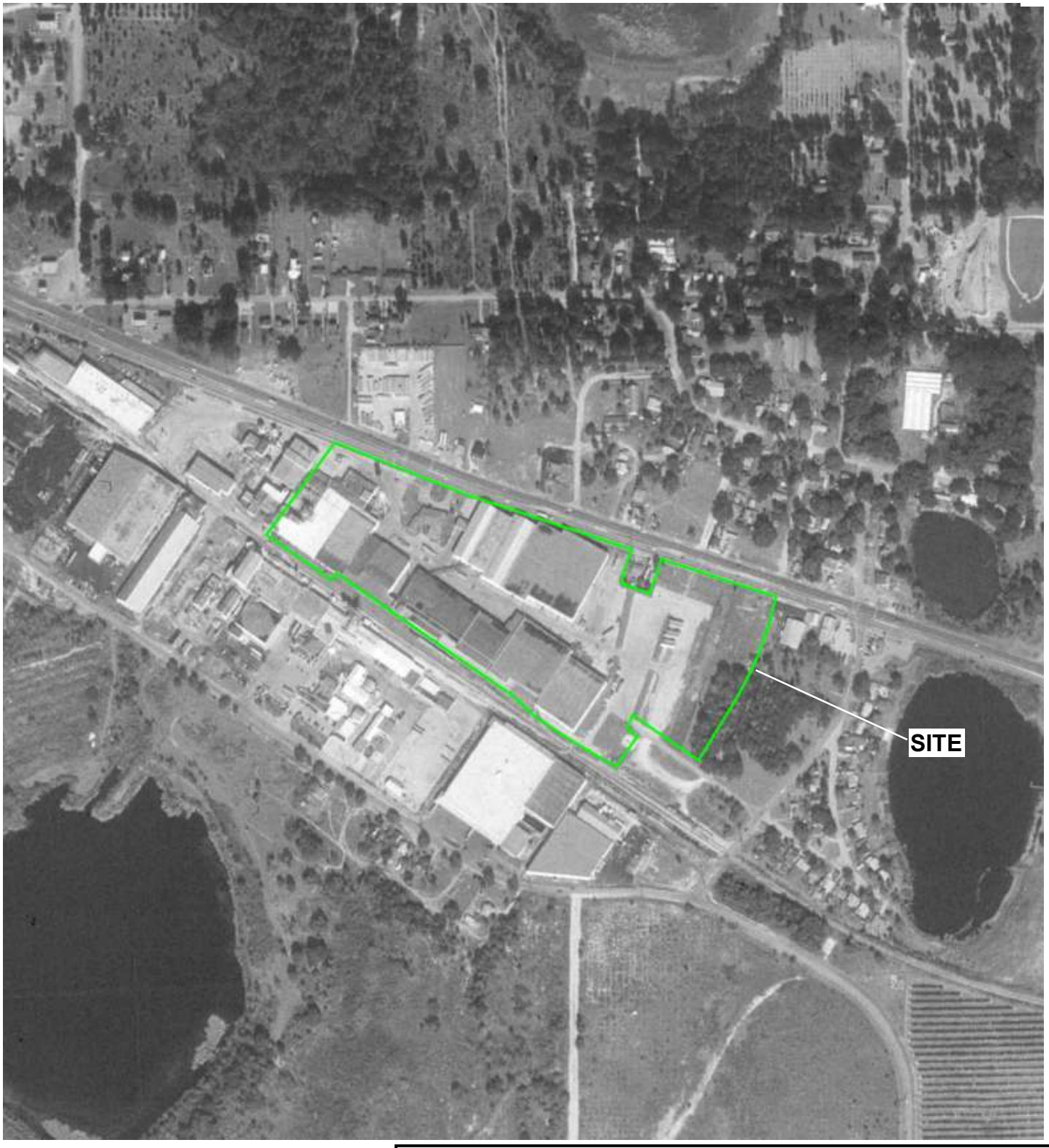


FIGURE B-7

1990 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

1990 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

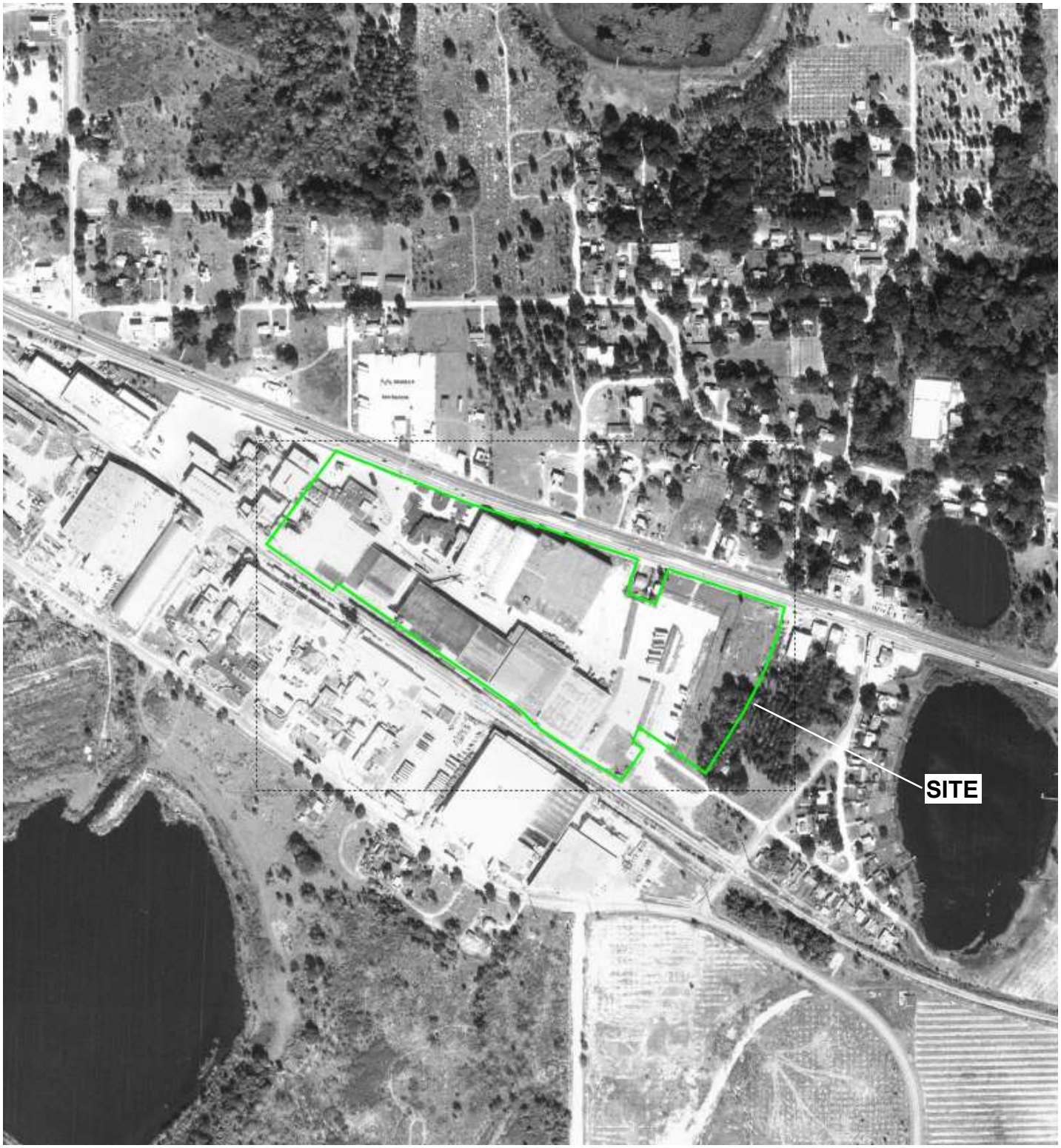


FIGURE B-8

1987 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

1987 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:

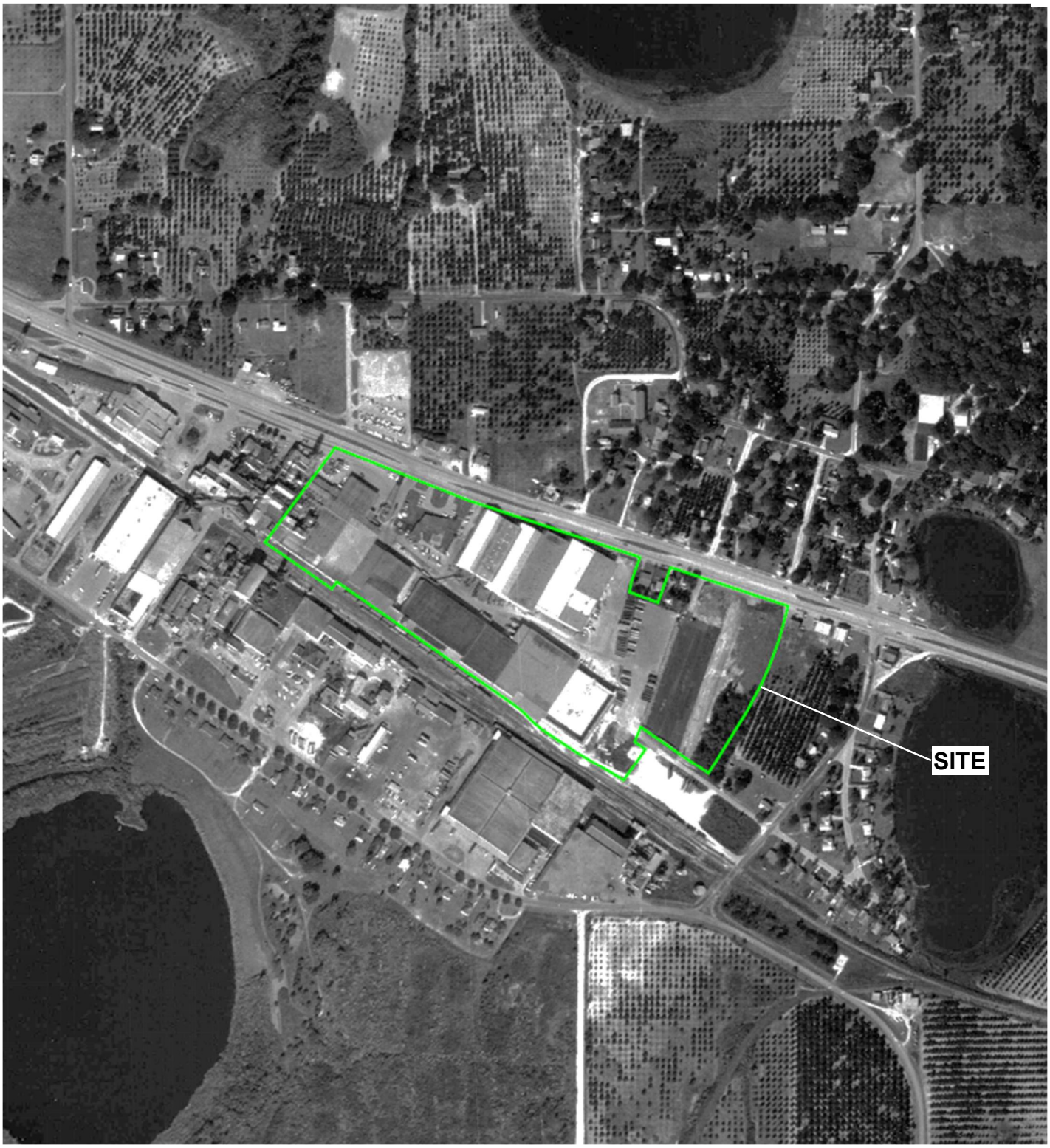
1978 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

FIGURE B-9

1978 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



REFERENCE:

1969 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

FIGURE B-10

1969 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



FIGURE B-11

1954 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

1954 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.



FIGURE B-12

1947 AERIAL PHOTOGRAPH

COMMERCIALLY DEVELOPED PROPERTY (COLD LINK LOGISTICS)
2560 W. ORANGE BLOSSOM TRAIL
APOPKA, ORANGE COUNTY, FLORIDA

REFERENCE:

1947 AERIAL PHOTOGRAPH OF SECTION 06, TOWNSHIP 21, RANGE 28, ORANGE COUNTY, FLORIDA

Proj. No. 25-115	COLELLA & ASSOCIATES, INC.

APPENDIX C

ENVIRONMENTAL DATABASE REPORT, APRIL 23, 2025

&

PHYSICAL SETTING REPORT, APRIL 23, 2025

&

HISTORICAL AERIALS REPORT, APRIL 24, 2025

&

CITY DIRECTORY REPORT, APRIL 25, 2025

&

FIRE INSURANCE MAPS REPORT, APRIL 24, 2025

PREPARED BY

ENVIRONMENTAL RISK INFORMATION SERVICES (ERIS)

DATABASE REPORT

Project Property:	*Mandich Apopka* *2560 West Orange Blossom Trail* *Apopka FL 32712*
Project No:	*25-115 / 25-115*
Report Type:	*Database Report*
Order No:	*25042200017*
Requested by:	*Colella & Associates, Inc.*
Date Completed:	*April 23, 2025*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Mandich Apopka* *2560 West Orange Blossom Trail Apopka FL 32712*
Project No:	*25-115 / 25-115*

Coordinates:

Latitude:	*28.69035853*
Longitude:	*-81.55094452*
UTM Northing:	*3,173,805.01*
UTM Easting:	*446,178.45*
UTM Zone:	*UTM Zone 17R*

Elevation: *122 FT*

Order Information:

Order No:	*25042200017*
Date Requested:	*April 22, 2025*
Requested by:	*Colella & Associates, Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Product Summary	*Product Summary for Aerials, FIMs & Topos*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	**1**	0	-	-	**1**
RCRA VSQG	Y	0.25	0	**3**	0	-	-	**3**
RCRA NON GEN	Y	0.25	0	**2**	**1**	-	-	**3**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	**1**	-	-	-	**1**
ERNS	Y	PO	0	**5**	-	-	-	**5**
FED BROWNFIELDS	Y	0.5	0	0	**1**	0	-	**1**
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DELISTED SHWS	Y	1	0	0	0	0	0	0
ERIC	Y	1	0	**3**	**1**	**3**	**3**	**10**
CLEANUP DEP	Y	1	0	0	0	0	**1**	**1**
WCRPS	Y	1	0	**3**	0	**3**	**1**	**7**
DELISTED WCP	Y	1	0	**2**	0	0	0	**2**
SWF/LF	Y	0.5	0	**4**	**1**	**1**	-	**6**
LST	Y	0.5	0	**2**	**2**	**1**	-	**5**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**4**	**4**	-	-	**8**
AST	Y	0.25	**1**	**2**	**1**	-	-	**4**
TANK	Y	0.25	**1**	0	0	-	-	**1**
DEL UST AST TANK	Y	0.25	0	0	0	-	-	0
DEL STORAGE TANK	Y	0.25	0	0	0	-	-	0
FF TANKS	Y	0.25	0	0	0	-	-	0
STCS	Y	0.5	**2**	**5**	**5**	**8**	-	**20**
INST	Y	0.5	0	0	**1**	0	-	**1**
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWNFIELD AREA	Y	0.5	0	0	0	0	-	0
HAZ WASTE FAC	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
County	***No County databases were selected to be included in the search.***							
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	**1**	**9**	-	-	-	**10**
TRIS	Y	PO	0	**2**	-	-	-	**2**
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	**2**	**2**	-	**4**
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	**1**	-	-	-	**1**
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	**3**	-	-	-	**3**
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	**1**	-	-	-	**1**
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
State								
HIST RISK	Y	0.125	0	0	-	-	-	0
PRIORITYCLEAN	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
HISTORICAL DRYC	Y	0.25	0	0	0	-	-	0
SPILLS	Y	0.125	0	**5**	-	-	-	**5**
DWM CONTAM	Y	0.5	0	**5**	**4**	**4**	-	**13**
DEL CONTAM SITE	Y	0.5	0	0	**1**	0	-	**1**
PFAS AFFF	Y	0.5	0	0	0	0	-	0
PFAS	Y	0.5	0	0	0	0	-	0
GW CONTAM	Y	0.125	0	0	-	-	-	0
UIC	Y	PO	0	-	-	-	-	0
WELL SURVEILLANCE	Y	0.25	0	**1**	**2**	-	-	**3**
CDV SOUTHEAST	Y	0.5	0	0	0	0	-	0
TIER 2	Y	0.125	**3**	**9**	-	-	-	**12**
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental databases were selected to be included in the search.***

Total:	***8***	***73***	***26***	***22***	***5***	***134***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	COLD-LINK LOGISTICS ORLANDO, LLC	2560 W. HIGHWAY 441 APOPKA FL 32712 ***Registry ID:*** *110000704569*	WNW	0.00 / 0.00	1	40
1	TIER 2	mid-florida freezer warehouses ltd	2560 w hwy 441 Apopka FL 32712	WNW	0.00 / 0.00	1	40
1	TIER 2	cold-link logistics orlando llc	2560 w hwy 441 Apopka FL 32712	WNW	0.00 / 0.00	1	41
1	TANK	FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768 ***Fac ID:*** *8944489*	WNW	0.00 / 0.00	1	42
1	AST	FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** *8513283 | CLOSED* ***Tank Status | Status Date:*** *B - REMOVED FROM SITE | 13-DEC-1996*	WNW	0.00 / 0.00	1	42
1	STCS	FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768 ***Facility ID | Fac Stat (OD):*** *8513283 | CLOSED*	WNW	0.00 / 0.00	1	43
1	STCS	FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768 ***Facility ID | Fac Stat (OD):*** *8944489 | CLOSED*	WNW	0.00 / 0.00	1	44
1	TIER 2	Cold Link Logistics Orlando LLC	2560 W. Orange Blossom Trail Apopka FL 32712	WNW	0.00 / 0.00	1	46

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	SWF/LF	MCGEE WASTE TIRE	2400 MAYFLOWER AVE ORLANDO FL 32703	SE	0.01 / 38.61	-5	47
3	FINDS/FRS	JIM MARTIN MACHINE SHOP	2322 WEST ORANGE BLOSSON TRAIL APOPKA FL 32704 ***Registry ID:*** 110070334852	E	0.01 / 49.62	-11	48
4	FINDS/FRS	APOPKA TRANS-LOAD FACILITY	2350 MAYFLOWER AVE APOPKA FL 32703 ***Registry ID:*** 110070835439	SE	0.01 / 50.60	-8	49
4	TIER 2	Apopka Trans-Load Facility	2350 Mayflower Ave. Apopka FL 32703	SE	0.01 / 50.60	-8	50
5	ERNS 1987 TO 1989		2501 ORANGE AVE PLYMOUTH FL	S	0.01 / 59.47	-2	50
5	ERNS		2501 W ORANGE AVE APOPKA FL 32703 ***NRC Report No:*** 800048	S	0.01 / 59.47	-2	50
5	ERNS		2501 W ORANGE AVE APOPKA FL 32703 ***NRC Report No:*** 882561	S	0.01 / 59.47	-2	52
5	ERNS		2501 ORANGE AVE PLYMOUTH FL 32703 ***NRC Report No:*** 292165	S	0.01 / 59.47	-2	54
5	RCRA SQG	THE COCA-COLA COMPANY FLAVOR MANUFACTURING	2501 ORANGE AVE APOPKA FL 32703-3346 ***Handler ID | Recycler Activity?:*** FLR000047506 | NO	S	0.01 / 59.47	-2	56
5	SPILLS		Coca Cola Company, 2501 W. Orange Ave. APOPKA FL ***Incident No | Incident Date:*** 6260 | 06/09/2006	S	0.01 / 59.47	-2	64
5	FINDS/FRS	THE COCA COLA COMPANY	2501 W. ORANGE AVE APOPKA FL 32703-3346 ***Registry ID:*** 110041171219	S	0.01 / 59.47	-2	65
5	TSCA	SPECIAL PRODUCTS DEPARTMENT	2501 WEST ORANGE AVENUE APOPKA FL 32703-3346	S	0.01 / 59.47	-2	65

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
5	FINDS/FRS	THE COCA-COLA COMPANY FLAVOR MANUFACTURING APOPKA	2501 ORANGE AVE APOPKA FL 32703-3346 ***Registry ID:*** 110064324823	S	0.01 / 59.47	-2	68
5	FINDS/FRS	SPECIAL PRODUCTS DEPARTMENT	2501 WEST ORANGE AVENUE APOPKA FL 32703-3346 ***Registry ID:*** 110060343258	S	0.01 / 59.47	-2	69
5	ICIS	THE COCA COLA COMPANY	2501 ORANGE AVE APOPKA FL 327033346 ***Registry ID:*** 110027966459	S	0.01 / 59.47	-2	69
5	ICIS	THE MINUTE MAID CO., SPECIAL P	2501 WEST ORANGE AVENUE PLYMOUTH FL 32703 ***Registry ID:*** 110064324823	S	0.01 / 59.47	-2	70
5	SPILLS		2501 West Orange Ave APOPKA FL ***Incident No | Incident Date:*** 54373 | 12/30/2015 11:50:00 PM	S	0.01 / 59.47	-2	70
5	FINDS/FRS	COCA-COLA FOODS SPECIAL PRODUCTS DEPT	2501 ORANGE AVE PLYMOUTH FL 32768 ***Registry ID:*** 110067040874	S	0.01 / 59.47	-2	70
5	ERNS		2501 WEST ORANGE AVE APOPKA FL 32703 ***NRC Report No:*** 1137012	S	0.01 / 59.47	-2	71
5	WCRPS	COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL	S	0.01 / 59.47	-2	73
5	WCRPS	COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	-2	73
5	TIER 2	The Coca-Cola Company	2501 WEST ORANGE AVENUE APOPKA FL 32703	S	0.01 / 59.47	-2	74
5	DWM CONTAM	COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703 ***Facility ID:*** 29298	S	0.01 / 59.47	-2	97
5	DWM CONTAM	COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT -	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	-2	97

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
		PLYMOUTH					
			Facility ID: 29298				
5	SPILLS		2501 W Orange Ave APOPKA FL	S	0.01 / 59.47	-2	98
			***Incident No	Incident Date:*** 63518 | 7/15/2019 8:14:00 PM			
5	TRIS	COCA-COLA FOODS SPECIAL PRODUCTS DEPT	2501 ORANGE AVE PLYMOUTH FL 32768	S	0.01 / 59.47	-2	98
5	DELISTED WCP	COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	-2	109
5	DELISTED WCP	COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703-	S	0.01 / 59.47	-2	109
5	ERIC	The Coca-Cola Company Flavor Manufacturing	2501 WEST ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	-2	110
5	ERIC	The Coca-Cola Company Flavor Manufacturing	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	-2	111
5	AFS	THE COCA COLA COMPANY	2501 ORANGE AVE APOPKA FL 327033346	S	0.01 / 59.47	-2	111
6	AST	COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	0	121
			***Facility ID	Facility Status:*** 9200233 | OPEN ***Tank Status	Status Date:*** B - REMOVED FROM SITE | 31-JUL-2000, T - OUT OF SERVICE | 16-OCT-2023, T - OUT OF SERVICE | 16-OCT-2023, D - DELETED-DATA ERROR | 01-JAN-1992, D - DELETED-DATA ERROR | 01-JAN-1992, D - DELETED-DATA ERROR | 01-JAN-1992, B - REMOVED FROM SITE | 01-JUL-1995, D - DELETED-DATA ERROR | 01-JAN-1992			
6	LST	COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	0	123
			***Facility ID	Facility Status:*** 9200233 | OPEN ***Cleanup Required:*** R - CLEANUP REQUIRED			
6	LST	COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768	W	0.01 / 78.13	0	126
			***Facility ID	Facility Status:*** 9200827 | CLOSED ***Cleanup Required:*** R - CLEANUP REQUIRED			
6	FINDS/FRS	CCNA BASE PLACE USA	2659 ORANGE AVE APOPKA FL 327033346	W	0.01 / 78.13	0	128
			Registry ID: 110027966459				
6	ICIS	THE MINUTE MAID COMPANY	2659 ORANGE AVENUE APOPKA FL 32703	W	0.01 / 78.13	0	129

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Registry ID: 110027966459				
6	SPILLS		Coca-Cola - 2659 Orange Avenue APOPKA FL ***Incident No | Incident Date:*** 56240 | 8/25/2016 11:35:00 AM	W	0.01 / 78.13	0	129
6	ERNS		2659 ORANGE AVENUE APOPKA FL 32073 ***NRC Report No:*** 1157283	W	0.01 / 78.13	0	129
6	WELL SURVEILLANCE	COCA COLA FOODS PLYMOUTH PLANT	2659 ORANGE AVE ORLANDO FL 32703	W	0.01 / 78.13	0	131
6	TIER 2	COCA COLA NORTH AMERICA- APOPKA	2659 ORANGE AVENUE APOPKA FL 32703-3346	W	0.01 / 78.13	0	132
6	FINDS/FRS	COCA COLA REFRESHMENTS	2659 ORANGE AVENUE APOPKA FL 32703 ***Registry ID:*** 110070279584	W	0.01 / 78.13	0	147
6	WCRPS	COCA COLA COMPANY	2651 ORANGE AVE APOPKA FL	W	0.01 / 78.13	0	147
6	DWM CONTAM	COCA COLA COMPANY	2651 ORANGE AVE APOPKA FL 32703 ***Facility ID:*** 60284	W	0.01 / 78.13	0	148
6	TRIS	MINUTE MAID CO	2659 ORANGE AVE PLYMOUTH FL 327683346	W	0.01 / 78.13	0	148
6	UST	COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703 ***Facility ID | Facility Status:*** 9200233 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 30-JUN-1993	W	0.01 / 78.13	0	155
6	UST	COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073 ***Facility ID | Facility Status:*** 9200236 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 01-APR-2019	W	0.01 / 78.13	0	156
6	UST	COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** 9200827 | CLOSED ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 31-MAR-1992, B - REMOVED FROM SITE | 31-MAR-1992	W	0.01 / 78.13	0	156
6	AST	COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073 ***Facility ID | Facility Status:*** 9200236 | OPEN ***Tank Status | Status Date:*** U - IN SERVICE |	W	0.01 / 78.13	0	157

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
6	ERIC	Coca-Cola North America	2651 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	0	158
6	STCS	COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073 ***Facility ID*	*Fac Stat (OD):*** 9200236 | OPEN	W	0.01 / 78.13	0	158
6	STCS	COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703 ***Facility ID*	*Fac Stat (OD):*** 9200233 | OPEN	W	0.01 / 78.13	0	160
6	STCS	COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768 ***Facility ID*	*Fac Stat (OD):*** 9200827 | CLOSED	W	0.01 / 78.13	0	162
6	DWM CONTAM	COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703 ***Facility ID:*** 9200233	W	0.01 / 78.13	0	164
6	DWM CONTAM	COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768 ***Facility ID:*** 9200827	W	0.01 / 78.13	0	165
6	FINDS/FRS	CCNA BASE PLACE USA	2659 ORANGE AVENUE APOPKA FL 327033346 ***Registry ID:*** 110071647949	W	0.01 / 78.13	0	166
7	SWF/LF	HARENDRA SINGH	2591 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	NW	0.04 / 217.32	2	166
7	SWF/LF	EL DORADO AUTO GROUP	2591 W. ORANGE BLOSSOM TRL APOPKA FL 32712	NW	0.04 / 217.32	2	167
7	SWF/LF	EL DORADO RECYCLE, INC.	2591 W ORANGE BLOSSOM TRL APOPKA FL 32712	NW	0.04 / 217.32	2	168
8	UST	SHELL-PLYMOUTH #799	2301 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID*	*Facility Status:*** 8512806 | OPEN ***Tank Status*	*Status Date:*** B - REMOVED FROM SITE | 01-MAR-1996, B - REMOVED FROM SITE | 01-MAR-1996, U - IN SERVICE | 12-FEB-2025, B - REMOVED FROM SITE | 01-MAR-1996	E	0.05 / 244.61	-17	168
8	STCS	SHELL-PLYMOUTH #799	2301 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID*	*Fac Stat (OD):*** 8512806 | OPEN	E	0.05 / 244.61	-17	170
9	RCRA NON GEN	HERITAGE PROFESSIONAL PRODUCTS GROUP	2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227	NNW	0.05 / 271.60	1	172

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Handler ID*	*Recycler Activity?:*** FLR000155036 | NO			
9	TIER 2	WINFIELD UNITED - APOPKA	2601 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	NNW	0.05 / 271.60	1	175
9	RCRA VSQG	HERITAGE PROFESSIONAL PRODUCTS GROUP	2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227 ***Handler ID* | *Recycler Activity?:*** FLT230090011 | NO	NNW	0.05 / 271.60	1	190
9	TIER 2	Heritage Professional Product Group - 2150 APOPKA	2601 W ORANGE BLOSSOM TRAIL Apopka FL 75070	NNW	0.05 / 271.60	1	192
10	RCRA NON GEN	CUMBERLAND FARMS #0953	US HWY 441 & BOY SCOUT BLVD PLYMOUTH FL 02021 ***Handler ID* | *Recycler Activity?:*** FLD984223917 | NO	E	0.06 / 324.63	-20	196
11	TIER 2	Apopka HERC - 9397	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	3	198
11	TIER 2	Apopka ProSolutions HERC - 9397	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	3	206
11	TIER 2	Apopka HERC - 9379	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	3	209
11	TIER 2	Apopka HERC - 9377 (old 9379)	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	3	215
12	STCS	COCA-COLA-PRIVATE TRUCK OPERATION	ORANGE ST PLYMOUTH FL 32768 ***Facility ID* | *Fac Stat (OD):*** 8622618 | CLOSED	WSW	0.07 / 375.51	-2	217
13	SPILLS		Highway 441 and Boy Scout Boulevard APOPKA FL ***Incident No* | *Incident Date:*** 21129 | 05/28/2002	ESE	0.08 / 396.45	-21	219
14	RCRA VSQG	ENVIROWORKS	2823 ORANGE AVE APOPKA FL 32703-3346 ***Handler ID* | *Recycler Activity?:*** FLT980060016 | NO	W	0.11 / 558.71	-1	220
15	RCRA VSQG	COCA-COLA NORTH AMERICA	2659 W ORANGE AVE APOPKA FL 32703-3346 ***Handler ID* | *Recycler Activity?:*** FLD053393039 | NO	SW	0.12 / 635.10	-4	221

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
16	INST	DIAMOND FOOD MART	2901 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	WNW	0.14 / 715.11	1	233
17	SWF/LF	DANCO A.Q. ENTERPRISE	2877 ORANGE AVENUE PLYMOUTH FL 32703	W	0.15 / 807.89	-2	233
18	FED BROWNFIELDS	Gator Growers Nursery	27 N Binion Road APOPKA FL 32703 ***Property ID:*** 251643	SE	0.18 / 944.45	-24	235
19	UST	DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID | Facility Status:*** 8513126 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 01-JUN-1998, U - IN SERVICE | 01-JUN-1998, U - IN SERVICE | 01-JUN-1998, B - REMOVED FROM SITE | 01-JUN-1998, B - REMOVED FROM SITE | 01-JUN-1998	WNW	0.19 / 992.09	0	240
19	LST	DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL 2901 W US HWY 441 APOPKA FL 32712 ***Facility ID | Facility Status:*** 8513126 | OPEN ***Cleanup Required:*** Z - OTHER, R - CLEANUP REQUIRED	WNW	0.19 / 992.09	0	243
19	DEL CONTAM SITE	HEY RAM	2901 W US HWY 441 APOPKA FL 32712	WNW	0.19 / 992.09	0	248
19	WELL SURVEILLANCE	DIAMOND OIL	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.19 / 992.09	0	248
19	DWM CONTAM	DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID:*** 8513126	WNW	0.19 / 992.09	0	249
19	DWM CONTAM	DIAMOND OIL	2901 W US HWY 441 PLYMOUTH FL 32768 ***Facility ID:*** 8513126 ***Facility Status:*** WAITING	WNW	0.19 / 992.09	0	250
19	DWM CONTAM	HEY RAM	2901 W US HWY 441 APOPKA FL 32712 ***Facility ID:*** 8513126 ***Facility Status:*** ACTIVE	WNW	0.19 / 992.09	0	250
19	ERIC	DIAMOND FOOD MART	2901 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	WNW	0.19 / 992.09	0	251
19	STCS	DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID | Fac Stat (OD):*** 8513126 | OPEN	WNW	0.19 / 992.09	0	251
20	PFAS IND	CROWN CORK & SEAL COMPANY INCORPORATED	PLYMOUTH FL	WNW	0.19 / 993.61	0	254

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
21	WELL SURVEILLANCE	AAG3057	703 SCHOPKE LESTER RD APOPKA FL 32712	NE	0.20 / 1,039.03	-27	255
22	UST	FISKARS	CR 437 & HWY 441 PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** 8521343 | CLOSED ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 31-OCT-1989, B - REMOVED FROM SITE | 01-JUL-1996	WNW	0.21 / 1,086.41	1	255
22	STCS	FISKARS	CR 437 & HWY 441 PLYMOUTH FL 32768 ***Facility ID | Fac Stat (OD):*** 8521343 | CLOSED	WNW	0.21 / 1,086.41	1	256
23	RCRA NON GEN	LIL CHAMP FOOD STORES INC	SE CORNER US 441 & PLYMOUTH SO APOPKA FL 32712 ***Handler ID | Recycler Activity?:*** FLD984198952 | NO	WNW	0.21 / 1,106.65	1	258
24	STCS	FISKARS BRANDS INC	2980 W ORANGE AVE APOPKA FL 32703 ***Facility ID | Fac Stat (OD):*** 9804826 | CLOSED	W	0.22 / 1,144.69	-2	261
25	UST	ASGROW FL CO	2908 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID | Facility Status:*** 8521487 | CLOSED ***Tank Status | Status Date:*** B - REMOVED FROM SITE |	WNW	0.22 / 1,164.08	1	262
25	STCS	ASGROW FL CO	2908 W ORANGE BLOSSOM TRL APOPKA FL 32712 ***Facility ID | Fac Stat (OD):*** 8521487 | CLOSED	WNW	0.22 / 1,164.08	1	263
26	LST	FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** 8512930 | OPEN ***Cleanup Required:*** N - NO CLEANUP REQUIRED	WNW	0.23 / 1,207.86	1	264
26	UST	FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** 8512930 | OPEN ***Tank Status | Status Date:*** U - IN SERVICE |	WNW	0.23 / 1,207.86	1	267
26	AST	FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768 ***Facility ID | Facility Status:*** 8512930 | OPEN ***Tank Status | Status Date:*** U - IN SERVICE | , U - IN SERVICE | , U - IN SERVICE |	WNW	0.23 / 1,207.86	1	267
26	STCS	FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768 ***Facility ID | Fac Stat (OD):*** 8512930 | OPEN	WNW	0.23 / 1,207.86	1	268
26	DWM CONTAM	FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768 ***Facility ID:*** 8512930	WNW	0.23 / 1,207.86	1	270
27	PFAS IND	BLOEM	APOPKA FL	W	0.23 / 1,236.61	-2	271

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
28	STCS	SUNOCO FOOD MART#1074	2971 W ORANGE BLOSSOM TRL APAOPKA FL 32712 ***Facility ID*	*Fac Stat (OD):*** 8631351 | OPEN	WNW	0.26 / 1,364.09	2	272
29	STCS	HONEY TRANSPORT INC	2994 ORANGE AVE PLYMOUTH FL 32768 ***Facility ID*	*Fac Stat (OD):*** 8627164 | OPEN	WNW	0.27 / 1,422.92	-2	275
30	WCRPS	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL	WNW	0.28 / 1,454.37	0	277
30	ERIC	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL 32703	WNW	0.28 / 1,454.37	0	278
30	DWM CONTAM	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL 32703 ***Facility ID:*** 136203	WNW	0.28 / 1,454.37	0	278
31	PFAS IND	BLOEM, LLC	APOPKA FL	WNW	0.28 / 1,499.70	-3	279
31	PFAS IND	BLOEM LLC	APOPKA FL	WNW	0.28 / 1,499.70	-3	280
32	SWF/LF	MID-FLORIDA FREEZER WAREHOUSE	3004 GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.29 / 1,534.95	-3	281
33	STCS	GENERAL ELECTRIC CO	US 441 PLYMOUTH FL 32768 ***Facility ID*	*Fac Stat (OD):*** 8628029 | CLOSED	WNW	0.32 / 1,707.18	-1	282
34	STCS	EUGENE KELLY	3455 N ORANGE BLOSSOM TRAIL PLYMOUTH FL 32768 ***Facility ID*	*Fac Stat (OD):*** 9502683 | CLOSED	WNW	0.37 / 1,973.34	2	284
35	STCS	NEW NURSERY	2508 PETERSON RD PLYMOUTH FL 32768 ***Facility ID*	*Fac Stat (OD):*** 8732704 | OPEN	S	0.39 / 2,049.75	-24	286
36	DWM CONTAM	MID-FLORIDA FREEZER WAREHOUSE (FORMER)	GENERAL ELECTRIC ROAD PLYMOUTH FL ***Facility ID:*** 247	W	0.40 / 2,110.40	-7	288

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
37	ERIC	Mid - Florida Freezer - Enviroworks	GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.40 / 2,111.65	-7	288
38	WCRPS	MID-FLORIDA FREEZER WAREHOUSE (FORMER)	GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.40 / 2,112.47	-7	289
39	LST	FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703 ***Facility ID | Facility Status:*** 9503025 | CLOSED ***Cleanup Required:*** R - CLEANUP REQUIRED	WNW	0.40 / 2,113.97	-1	289
39	WCRPS	FISKARS BRANDS, INC.	3000 WEST ORANGE AVENUE APOPKA FL	WNW	0.40 / 2,113.97	-1	292
39	ERIC	Bloem LLC	3000 WEST ORANGE AVENUE APOPKA FL 32703	WNW	0.40 / 2,113.97	-1	292
39	DWM CONTAM	FISKARS BRANDS, INC.	3000 WEST ORANGE AVENUE APOPKA FL 32703 ***Facility ID:*** 31341	WNW	0.40 / 2,113.97	-1	293
39	STCS	FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703 ***Facility ID | Fac Stat (OD):*** 9503025 | CLOSED	WNW	0.40 / 2,113.97	-1	293
39	STCS	414/429 EXPRESSWAY EXPANSION	3000 ORANGE APOPKA FL 32712 ***Facility ID | Fac Stat (OD):*** 9812980 | CLOSED	WNW	0.40 / 2,113.97	-1	295
39	DWM CONTAM	FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703 ***Facility ID:*** 9503025	WNW	0.40 / 2,113.97	-1	296
40	STCS	GATOR GROWERS NURSERY	S SR 437 PLYMOUTH FL 32768 ***Facility ID | Fac Stat (OD):*** 8734898 | OPEN	SSE	0.41 / 2,168.91	-39	297
41	WCRPS	LOWE'S OF APOPKA STORE L-2223	1651 W ORANGE BLOSSOM TRAIL APOPKA FL	E	0.51 / 2,685.53	-15	299
41	ERIC	Lowes of Apopka FL #2673	1651 W ORANGE BLOSSOM TRAIL APOPKA FL	E	0.51 / 2,685.53	-15	299
42	CLEANUP DEP	Alysa Cleaners	1541 W US Hwy 441 Apopka FL 34761-2935	ESE	0.69 / 3,644.19	-9	300

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
42	ERIC	ALYSA CLEANERS	1541 W US Hwy 441 Apopka FL 34761	ESE	0.69 / 3,644.19	-9	300
43	ERIC	WHITE SAND NURSERIES	650 S HERMIT SMITH RD Plymouth FL 32768	W	0.88 / 4,664.03	-3	301

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 6, 2025 has found that there are 1 RCRA SQG site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE COCA-COLA COMPANY FLAVOR MANUFACTURING	2501 ORANGE AVE APOPKA FL 32703-3346	S	0.01 / 59.47	5
	Handler ID* | *Recycler Activity?: *FLR000047506* | *NO*			

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Jan 6, 2025 has found that there are 3 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HERITAGE PROFESSIONAL PRODUCTS GROUP	2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227	NNW	0.05 / 271.60	9
	Handler ID* | *Recycler Activity?: *FLT230090011* | *NO*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ENVIROWORKS	2823 ORANGE AVE APOPKA FL 32703-3346	W	0.11 / 558.71	14
	Handler ID* | *Recycler Activity?: *FLT980060016* | *NO*			
COCA-COLA NORTH AMERICA	2659 W ORANGE AVE APOPKA FL 32703-3346	SW	0.12 / 635.10	15
	Handler ID* | *Recycler Activity?: *FLD053393039* | *NO*			

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 6, 2025 has found that there are 3 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HERITAGE PROFESSIONAL PRODUCTS GROUP	2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227	NNW	0.05 / 271.60	9
	Handler ID* | *Recycler Activity?: *FLR000155036* | *NO*			
LIL CHAMP FOOD STORES INC	SE CORNER US 441 & PLYMOUTH SO APOPKA FL 32712 ***Handler ID* | *Recycler Activity?***: *FLD984198952* | *NO*	WNW	0.21 / 1,106.65	23

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CUMBERLAND FARMS #0953	US HWY 441 & BOY SCOUT BLVD PLYMOUTH FL 02021	E	0.06 / 324.63	10
	Handler ID* | *Recycler Activity?: *FLD984223917* | *NO*			

ERNS 1987 TO 1989 - Emergency Response Notification System

A search of the ERNS 1987 TO 1989 database, dated 1987-1989 has found that there are 1 ERNS 1987 TO 1989 site(s) within approximately 0.02miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2501 ORANGE AVE PLYMOUTH FL	S	0.01 / 59.47	5

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Dec 31, 2024 has found that there are 5 ERNS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2659 ORANGE AVENUE APOPKA FL 32073	W	0.01 / 78.13	6
	NRC Report No: *1157283*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2501 ORANGE AVE PLYMOUTH FL 32703	S	0.01 / 59.47	5
	NRC Report No: *292165*			
	2501 WEST ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	5
	NRC Report No: *1137012*			
	2501 W ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	5
	NRC Report No: *800048*			
	2501 W ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	5
	NRC Report No: *882561*			

FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database

A search of the FED BROWNFIELDS database, dated Feb 19, 2025 has found that there are 1 FED BROWNFIELDS site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Gator Growers Nursery	27 N Binion Road APOPKA FL 32703 ***Property ID**: 251643*	SE	0.18 / 944.45	18

State

ERIC - ERIC Waste Cleanup

A search of the ERIC database, dated Feb 7, 2025 has found that there are 10 ERIC site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Coca-Cola North America	2651 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
DIAMOND FOOD MART	2901 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	WNW	0.19 / 992.09	19
PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL 32703	WNW	0.28 / 1,454.37	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
The Coca-Cola Company Flavor Manufacturing	2501 WEST ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	5
The Coca-Cola Company Flavor Manufacturing	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	5
Mid - Florida Freezer - Enviroworks	GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.40 / 2,111.65	37
Bloem LLC	3000 WEST ORANGE AVENUE APOPKA FL 32703	WNW	0.40 / 2,113.97	39
Lowes of Apopka FL #2673	1651 W ORANGE BLOSSOM TRAIL APOPKA FL	E	0.51 / 2,685.53	41
ALYSA CLEANERS	1541 W US Hwy 441 Apopka FL 34761	ESE	0.69 / 3,644.19	42

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
WHITE SAND NURSERIES	650 S HERMIT SMITH RD Plymouth FL 32768	W	0.88 / 4,664.03	43

CLEANUP DEP - Florida Department of Environmental Protection Cleanup Sites

A search of the CLEANUP DEP database, dated Mar 31, 2025 has found that there are 1 CLEANUP DEP site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Alysa Cleaners	1541 W US Hwy 441 Apopka FL 34761-2935	ESE	0.69 / 3,644.19	42

WCRPS - Waste Cleanup Responsible Party Sites

A search of the WCRPS database, dated Apr 11, 2021 has found that there are 7 WCRPS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA COMPANY	2651 ORANGE AVE APOPKA FL	W	0.01 / 78.13	6
PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL	WNW	0.28 / 1,454.37	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	5
COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL	S	0.01 / 59.47	5
MID-FLORIDA FREEZER WAREHOUSE (FORMER)	GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.40 / 2,112.47	38
FISKARS BRANDS, INC.	3000 WEST ORANGE AVENUE APOPKA FL	WNW	0.40 / 2,113.97	39
LOWE'S OF APOPKA STORE L-2223	1651 W ORANGE BLOSSOM TRAIL APOPKA FL	E	0.51 / 2,685.53	41

DELISTED WCP - Delisted Waste Cleanup Sites

A search of the DELISTED WCP database, dated Mar 31, 2025 has found that there are 2 DELISTED WCP site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703-	S	0.01 / 59.47	5
COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703	S	0.01 / 59.47	5

SWF/LF - Solid Waste Facilities and Landfills

A search of the SWF/LF database, dated Dec 6, 2024 has found that there are 6 SWF/LF site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EL DORADO RECYCLE, INC.	2591 W ORANGE BLOSSOM TRL APOPKA FL 32712	NW	0.04 / 217.32	7
HARENDRA SINGH	2591 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	NW	0.04 / 217.32	7
EL DORADO AUTO GROUP	2591 W. ORANGE BLOSSOM TRL APOPKA FL 32712	NW	0.04 / 217.32	7

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MCGEE WASTE TIRE	2400 MAYFLOWER AVE ORLANDO FL 32703	SE	0.01 / 38.61	2
DANCO A.Q. ENTERPRISE	2877 ORANGE AVENUE PLYMOUTH FL 32703	W	0.15 / 807.89	17
MID-FLORIDA FREEZER WAREHOUSE	3004 GENERAL ELECTRIC ROAD PLYMOUTH FL	W	0.29 / 1,534.95	32

LST - Leaking Tanks

A search of the LST database, dated Feb 6, 2025 has found that there are 5 LST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768	W	0.01 / 78.13	6
	Facility ID* | *Facility Status: *9200827 | CLOSED* ***Cleanup Required***: *R - CLEANUP REQUIRED*			
COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	Facility ID* | *Facility Status: *9200233 | OPEN* ***Cleanup Required***: *R - CLEANUP REQUIRED*			
DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL 2901 W US HWY 441 APOPKA FL 32712	WNW	0.19 / 992.09	19
	Facility ID* | *Facility Status: *8513126 | OPEN* ***Cleanup Required***: *Z - OTHER, R - CLEANUP REQUIRED*			
FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768	WNW	0.23 / 1,207.86	26
	Facility ID* | *Facility Status: *8512930 | OPEN* ***Cleanup Required***: *N - NO CLEANUP REQUIRED*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703	WNW	0.40 / 2,113.97	39
	Facility ID* | *Facility Status: *9503025 | CLOSED* ***Cleanup Required***: *R - CLEANUP REQUIRED*			

UST - Underground Storage Tanks

A search of the UST database, dated Mar 21, 2025 has found that there are 8 UST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	Facility ID* | *Facility Status: *9200233 | OPEN* ***Tank Status* | *Status Date***: *B - REMOVED FROM SITE | 30-JUN-1993*			
COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073	W	0.01 / 78.13	6
	Facility ID* | *Facility Status: *9200236 | OPEN* ***Tank Status* | *Status Date***: *B - REMOVED FROM SITE | 01-APR-2019*			
COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768	W	0.01 / 78.13	6
	Facility ID* | *Facility Status: *9200827 | CLOSED* ***Tank Status* | *Status Date***: *B - REMOVED FROM SITE | 31-MAR-1992, B - REMOVED FROM SITE | 31-MAR-1992*			
DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.19 / 992.09	19
	Facility ID* | *Facility Status: *8513126 | OPEN* ***Tank Status* | *Status Date***: *B - REMOVED FROM SITE | 01-JUN-1998, U - IN SERVICE | 01-JUN-1998, U - IN SERVICE | 01-JUN-1998, B - REMOVED FROM SITE | 01-JUN-1998, B - REMOVED FROM SITE | 01-JUN-1998*			
FISKARS	CR 437 & HWY 441 PLYMOUTH FL 32768	WNW	0.21 / 1,086.41	22

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Facility Status**: 8521343 | CLOSED* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 31-OCT-1989, B - REMOVED FROM SITE | 01-JUL-1996*			
ASGROW FL CO	2908 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.22 / 1,164.08	25
	***Facility ID | Facility Status**: 8521487 | CLOSED* ***Tank Status | Status Date**: B - REMOVED FROM SITE |*			
FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768	WNW	0.23 / 1,207.86	26
	***Facility ID | Facility Status**: 8512930 | OPEN* ***Tank Status | Status Date**: U - IN SERVICE |*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SHELL-PLYMOUTH #799	2301 W ORANGE BLOSSOM TRL APOPKA FL 32712	E	0.05 / 244.61	8
	***Facility ID | Facility Status**: 8512806 | OPEN* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 01-MAR-1996, B - REMOVED FROM SITE | 01-MAR-1996, U - IN SERVICE | 12-FEB-2025, B - REMOVED FROM SITE | 01-MAR-1996*			

AST - Aboveground Storage Tanks

A search of the AST database, dated Mar 21, 2025 has found that there are 4 AST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768	WNW	0.00 / 0.00	1
	***Facility ID | Facility Status**: 8513283 | CLOSED* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 13-DEC-1996*			
COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073	W	0.01 / 78.13	6
	***Facility ID | Facility Status**: 9200236 | OPEN* ***Tank Status | Status Date**: U - IN SERVICE |*			
COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	***Facility ID | Facility Status**: 9200233 | OPEN* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 31-JUL-2000, T - OUT OF SERVICE | 16-OCT-2023, T - OUT OF SERVICE | 16-OCT-2023, D - DELETED-DATA ERROR | 01-JAN-1992, D - DELETED-DATA ERROR | 01-JAN-1992, D - DELETED-DATA ERROR | 01-JAN-1992, B - REMOVED FROM SITE | 01-JUL-1995, D - DELETED-DATA ERROR | 01-JAN-1992*			
FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768	WNW	0.23 / 1,207.86	26
	***Facility ID | Facility Status**: 8512930 | OPEN* ***Tank Status | Status Date**: U - IN SERVICE | , U - IN SERVICE | , U - IN SERVICE |*			

TANK - Storage Tank Facilities

A search of the TANK database, dated Mar 21, 2025 has found that there are 1 TANK site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768	WNW	0.00 / 0.00	1
	***Fac ID**: 8944489*			

STCS - Storage Tank/Contaminated Facility Search

A search of the STCS database, dated Jan 6, 2025 has found that there are 20 STCS site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768	WNW	0.00 / 0.00	1
	***Facility ID | Fac Stat (OD)**: 8944489 | CLOSED*			
FL EXPRESS TRUCKING INC	2560 US 441 N PLYMOUTH FL 32768	WNW	0.00 / 0.00	1
	***Facility ID | Fac Stat (OD)**: 8513283 | CLOSED*			
COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768	W	0.01 / 78.13	6
	***Facility ID | Fac Stat (OD)**: 9200827 | CLOSED*			
COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	***Facility ID | Fac Stat (OD)**: 9200233 | OPEN*			
COCA COLA FOODS-SPECIAL PRODUCTS DEPT	2651 ORANGE AVE APOPKA FL 32073	W	0.01 / 78.13	6
	***Facility ID | Fac Stat (OD)**: 9200236 | OPEN*			
DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.19 / 992.09	19
	***Facility ID | Fac Stat (OD)**: 8513126 | OPEN*			
FISKARS	CR 437 & HWY 441 PLYMOUTH FL 32768	WNW	0.21 / 1,086.41	22
	***Facility ID | Fac Stat (OD)**: 8521343 | CLOSED*			
ASGROW FL CO	2908 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.22 / 1,164.08	25
	***Facility ID | Fac Stat (OD)**: 8521487 | CLOSED*			
FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768	WNW	0.23 / 1,207.86	26
	***Facility ID | Fac Stat (OD)**: 8512930 | OPEN*			
SUNOCO FOOD MART#1074	2971 W ORANGE BLOSSOM TRL APAOPKA FL 32712	WNW	0.26 / 1,364.09	28
	***Facility ID | Fac Stat (OD)**: 8631351 | OPEN*			
EUGENE KELLY	3455 N ORANGE BLOSSOM TRAIL PLYMOUTH FL 32768	WNW	0.37 / 1,973.34	34

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Facility ID | Fac Stat (OD)**: 9502683 | CLOSED*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SHELL-PLYMOUTH #799	2301 W ORANGE BLOSSOM TRL APOPKA FL 32712	E	0.05 / 244.61	8
	***Facility ID | Fac Stat (OD)**: 8512806 | OPEN*			
COCA-COLA-PRIVATE TRUCK OPERATION	ORANGE ST PLYMOUTH FL 32768	WSW	0.07 / 375.51	12
	***Facility ID | Fac Stat (OD)**: 8622618 | CLOSED*			
FISKARS BRANDS INC	2980 W ORANGE AVE APOPKA FL 32703	W	0.22 / 1,144.69	24
	***Facility ID | Fac Stat (OD)**: 9804826 | CLOSED*			
HONEY TRANSPORT INC	2994 ORANGE AVE PLYMOUTH FL 32768	WNW	0.27 / 1,422.92	29
	***Facility ID | Fac Stat (OD)**: 8627164 | OPEN*			
GENERAL ELECTRIC CO	US 441 PLYMOUTH FL 32768	WNW	0.32 / 1,707.18	33
	***Facility ID | Fac Stat (OD)**: 8628029 | CLOSED*			
NEW NURSERY	2508 PETERSON RD PLYMOUTH FL 32768	S	0.39 / 2,049.75	35
	***Facility ID | Fac Stat (OD)**: 8732704 | OPEN*			
FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703	WNW	0.40 / 2,113.97	39
	***Facility ID | Fac Stat (OD)**: 9503025 | CLOSED*			
414/429 EXPRESSWAY EXPANSION	3000 ORANGE APOPKA FL 32712	WNW	0.40 / 2,113.97	39
	***Facility ID | Fac Stat (OD)**: 9812980 | CLOSED*			
GATOR GROWERS NURSERY	S SR 437 PLYMOUTH FL 32768	SSE	0.41 / 2,168.91	40
	***Facility ID | Fac Stat (OD)**: 8734898 | OPEN*			

INST - Institutional Controls Registry

A search of the INST database, dated Jan 30, 2025 has found that there are 1 INST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIAMOND FOOD MART	2901 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	WNW	0.14 / 715.11	16

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Aug 1, 2024 has found that there are 10 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COLD-LINK LOGISTICS ORLANDO, LLC	2560 W. HIGHWAY 441 APOPKA FL 32712 ***Registry ID**: 110000704569*	WNW	0.00 / 0.00	1
COCA COLA REFRESHMENTS	2659 ORANGE AVENUE APOPKA FL 32703 ***Registry ID**: 110070279584*	W	0.01 / 78.13	6
CCNA BASE PLACE USA	2659 ORANGE AVENUE APOPKA FL 327033346 ***Registry ID**: 110071647949*	W	0.01 / 78.13	6
CCNA BASE PLACE USA	2659 ORANGE AVE APOPKA FL 327033346 ***Registry ID**: 110027966459*	W	0.01 / 78.13	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JIM MARTIN MACHINE SHOP	2322 WEST ORANGE BLOSSON TRAIL APOPKA FL 32704 ***Registry ID**: 110070334852*	E	0.01 / 49.62	3
APOPKA TRANS-LOAD FACILITY	2350 MAYFLOWER AVE APOPKA FL 32703 ***Registry ID**: 110070835439*	SE	0.01 / 50.60	4
COCA-COLA FOODS SPECIAL PRODUCTS DEPT	2501 ORANGE AVE PLYMOUTH FL 32768 ***Registry ID**: 110067040874*	S	0.01 / 59.47	5
SPECIAL PRODUCTS DEPARTMENT	2501 WEST ORANGE AVENUE APOPKA FL 32703-3346 ***Registry ID**: 110060343258*	S	0.01 / 59.47	5
THE COCA-COLA COMPANY FLAVOR MANUFACTURING APOPKA	2501 ORANGE AVE APOPKA FL 32703-3346 ***Registry ID**: 110064324823*	S	0.01 / 59.47	5
THE COCA COLA COMPANY	2501 W. ORANGE AVE APOPKA FL 32703-3346 ***Registry ID**: 110041171219*	S	0.01 / 59.47	5

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Sep 20, 2023 has found that there are 2 TRIS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MINUTE MAID CO	2659 ORANGE AVE PLYMOUTH FL 327683346	W	0.01 / 78.13	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA-COLA FOODS SPECIAL PRODUCTS DEPT	2501 ORANGE AVE PLYMOUTH FL 32768	S	0.01 / 59.47	5

PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Mar 24, 2025 has found that there are 4 PFAS IND site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CROWN CORK & SEAL COMPANY INCORPORATED	PLYMOUTH FL	WNW	0.19 / 993.61	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BLOEM	APOPKA FL	W	0.23 / 1,236.61	27
BLOEM, LLC	APOPKA FL	WNW	0.28 / 1,499.70	31
BLOEM LLC	APOPKA FL	WNW	0.28 / 1,499.70	31

TSCA - Toxic Substances Control Act

A search of the TSCA database, dated May 12, 2022 has found that there are 1 TSCA site(s) within approximately 0.12miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SPECIAL PRODUCTS DEPARTMENT	2501 WEST ORANGE AVENUE APOPKA FL 32703-3346	S	0.01 / 59.47	5

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Apr 13, 2024 has found that there are 3 ICIS site(s) within approximately 0.02miles of the project

property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE MINUTE MAID COMPANY	2659 ORANGE AVENUE APOPKA FL 32703 ***Registry ID**: 110027966459*	W	0.01 / 78.13	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE MINUTE MAID CO., SPECIAL P	2501 WEST ORANGE AVENUE PLYMOUTH FL 32703 ***Registry ID**: 110064324823*	S	0.01 / 59.47	5
THE COCA COLA COMPANY	2501 ORANGE AVE APOPKA FL 327033346 ***Registry ID**: 110027966459*	S	0.01 / 59.47	5

AFS - Air Facility System

A search of the AFS database, dated Oct 17, 2014 has found that there are 1 AFS site(s) within approximately 0.02miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
THE COCA COLA COMPANY	2501 ORANGE AVE APOPKA FL 327033346	S	0.01 / 59.47	5

State

SPILLS - Oil and Hazardous Materials Incidents

A search of the SPILLS database, dated Feb 26, 2025 has found that there are 5 SPILLS site(s) within approximately 0.12miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	Coca-Cola - 2659 Orange Avenue APOPKA FL ***Incident No**	**Incident Date**: 56240	8/25/2016 11:35:00 AM*	W	0.01 / 78.13	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2501 West Orange Ave APOPKA FL ***Incident No**	**Incident Date**: 54373	12/30/2015 11:50:00 PM*	S	0.01 / 59.47	5
	Coca Cola Company, 2501 W. Orange Ave. APOPKA FL ***Incident No**	**Incident Date**: 6260	06/09/2006*	S	0.01 / 59.47	5
	2501 W Orange Ave APOPKA FL	S	0.01 / 59.47	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	Incident No* | *Incident Date: *63518* | *7/15/2019 8:14:00 PM*			
	Highway 441 and Boy Scout Boulevard APOPKA FL	ESE	0.08 / 396.45	13
	Incident No* | *Incident Date: *21129* | *05/28/2002*			

DWM CONTAM - Contaminated Sites

A search of the DWM CONTAM database, dated Mar 3, 2025 has found that there are 13 DWM CONTAM site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA COMPANY	2651 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	Facility ID: *60284*			
COCA COLA FOODS	2659 ORANGE AVE PLYMOUTH FL 32768	W	0.01 / 78.13	6
	Facility ID: *9200827*			
COCA COLA NORTH AMERICA-APOPKA PLT	2659 ORANGE AVE APOPKA FL 32703	W	0.01 / 78.13	6
	Facility ID: *9200233*			
HEY RAM	2901 W US HWY 441 APOPKA FL 32712	WNW	0.19 / 992.09	19
	Facility ID: *8513126* ***Facility Status***: *ACTIVE*			
DIAMOND OIL	2901 W US HWY 441 PLYMOUTH FL 32768	WNW	0.19 / 992.09	19
	Facility ID: *8513126* ***Facility Status***: *WAITING*			
DIAMOND FOOD MART	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.19 / 992.09	19
	Facility ID: *8513126*			
FRED N DUNN CITRUS NURSERY	441 PLYMOUTH ST PLYMOUTH FL 32768	WNW	0.23 / 1,207.86	26
	Facility ID: *8512930*			
PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION	3001 WEST ORANGE AVENUE APOPKA FL 32703	WNW	0.28 / 1,454.37	30
	Facility ID: *136203*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH	2501 WEST ORANGE AVENUE PLYMOUTH FL	S	0.01 / 59.47	5
	Facility ID: *29298*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA SPECIAL PRODUCTS AST 306	2501 WEST ORANGE AVE APOPKA FL 32703 ***Facility ID**: 29298*	S	0.01 / 59.47	5
MID-FLORIDA FREEZER WAREHOUSE (FORMER)	GENERAL ELECTRIC ROAD PLYMOUTH FL ***Facility ID**: 247*	W	0.40 / 2,110.40	36
FISKARS BRANDS, INC.	3000 WEST ORANGE AVENUE APOPKA FL 32703 ***Facility ID**: 31341*	WNW	0.40 / 2,113.97	39
FISKARS BRANDS INC	3000 W ORANGE AVE APOPKA FL 32703 ***Facility ID**: 9503025*	WNW	0.40 / 2,113.97	39

DEL CONTAM SITE - Delisted Contaminated Sites

A search of the DEL CONTAM SITE database, dated Sep 30, 2015 has found that there are 1 DEL CONTAM SITE site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HEY RAM	2901 W US HWY 441 APOPKA FL 32712	WNW	0.19 / 992.09	19

WELL SURVEILLANCE - Well Surveillance Program Facilities

A search of the WELL SURVEILLANCE database, dated Mar 26, 2025 has found that there are 3 WELL SURVEILLANCE site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
COCA COLA FOODS PLYMOUTH PLANT	2659 ORANGE AVE ORLANDO FL 32703	W	0.01 / 78.13	6
DIAMOND OIL	2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WNW	0.19 / 992.09	19

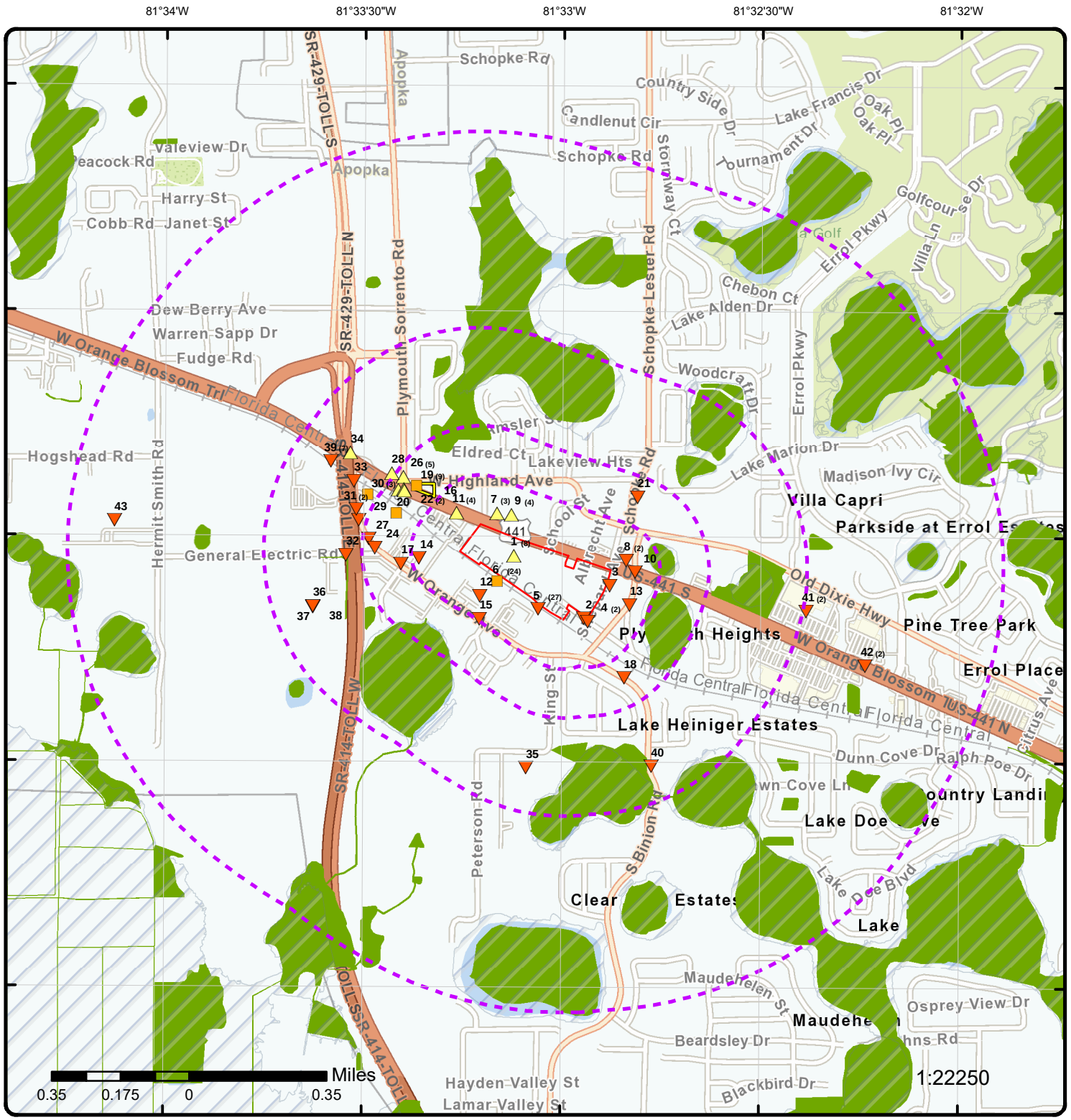
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AAG3057	703 SCHOPKE LESTER RD APOPKA FL 32712	NE	0.20 / 1,039.03	21

TIER 2 - Tier 2 Report

A search of the TIER 2 database, dated Apr 2, 2024 has found that there are 12 TIER 2 site(s) within approximately 0.12miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
mid-florida freezer warehouses ltd	2560 w hwy 441 Apopka FL 32712	WNW	0.00 / 0.00	1
Cold Link Logistics Orlando LLC	2560 W. Orange Blossom Trail Apopka FL 32712	WNW	0.00 / 0.00	1
cold-link logistics orlando llc	2560 w hwy 441 Apopka FL 32712	WNW	0.00 / 0.00	1
COCA COLA NORTH AMERICA-APOPKA	2659 ORANGE AVENUE APOPKA FL 32703-3346	W	0.01 / 78.13	6
Heritage Professional Product Group - 2150 APOPKA	2601 W ORANGE BLOSSOM TRAIL Apopka FL 75070	NNW	0.05 / 271.60	9
WINFIELD UNITED - APOPKA	2601 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	NNW	0.05 / 271.60	9
Apopka HERC - 9377 (old 9379)	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	11
Apopka ProSolutions HERC - 9397	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	11
Apopka HERC - 9397	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	11
Apopka HERC - 9379	2620 W. Orange Blossom Trail Apopka FL 32712	WNW	0.07 / 344.98	11

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Apopka Trans-Load Facility	2350 Mayflower Ave. Apopka FL 32703	SE	0.01 / 50.60	4
The Coca-Cola Company	2501 WEST ORANGE AVENUE APOPKA FL 32703	S	0.01 / 59.47	5



Map: 1.0 Mile Radius

Order Number: 25042200017

Address: 2560 West Orange Blossom Trail, Apopka, FL

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.5 Mile Radius

Order Number: 25042200017

Address: 2560 West Orange Blossom Trail, Apopka, FL

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 25042200017

Address: 2560 West Orange Blossom Trail, Apopka, FL

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



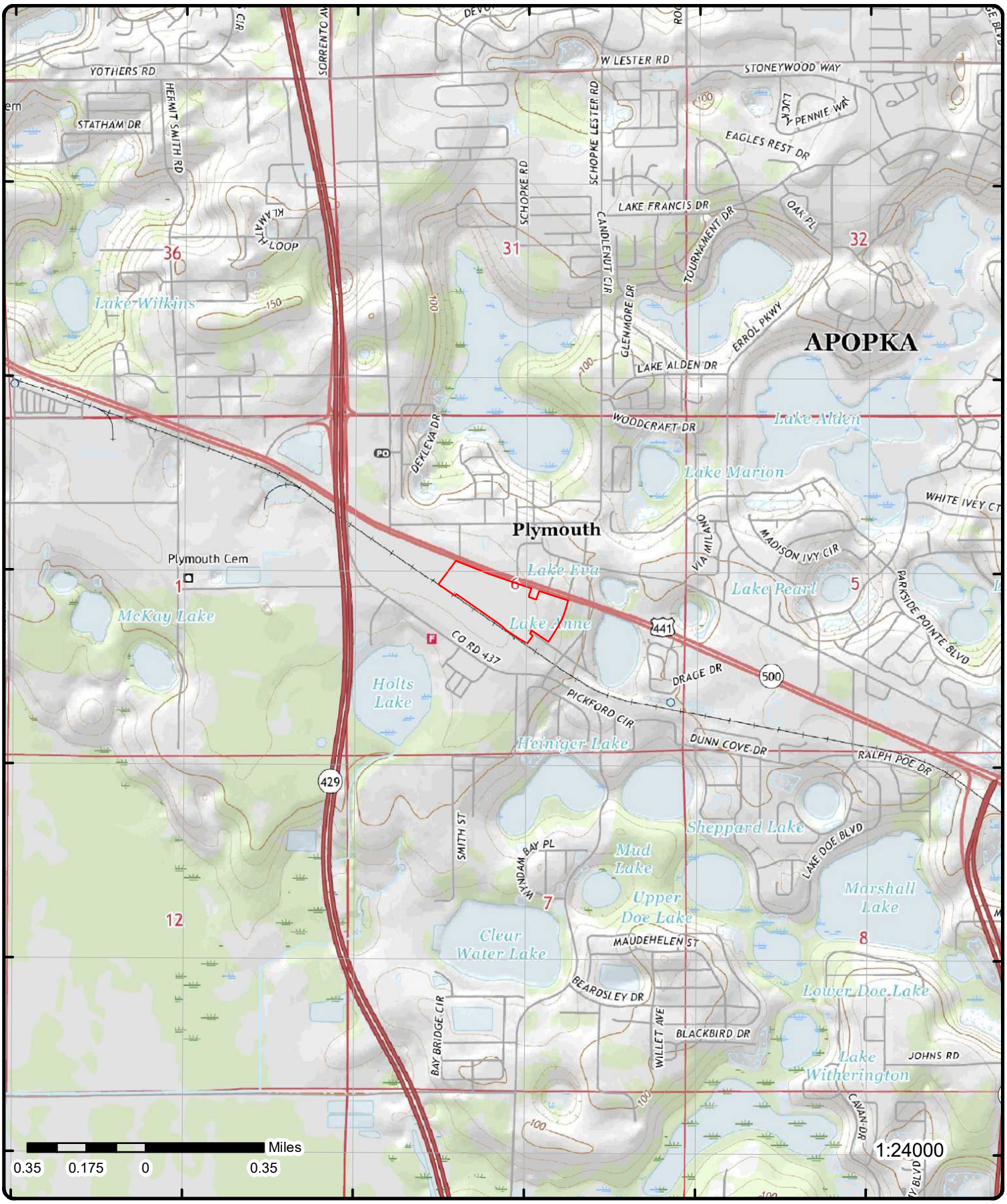
Aerial **Year: 2023**

Order Number: 25042200017

Address: 2560 West Orange Blossom Trail, Apopka, FL

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2021

Order Number: 25042200017

Address: 2560 West Orange Blossom Trail, FL

Quadrangle(s): Apopka FL

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 8	WNW	0.00 / 0.00	123.29 / 1	COLD-LINK LOGISTICS ORLANDO, LLC 2560 W. HIGHWAY 441 APOPKA FL 32712	FINDS/FRS

Registry ID:	110000704569
FIPS Code:	12095
HUC Code:	03080102
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	18-JUN-15
Interest Types:	
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	EPA_SLT
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022037
EPA Region Code:	04
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	28.690975
Longitude:	-81.553087
Reference Point:	FACILITY CENTROID
Coord Collection Method:	INTERPOLATION-PHOTO
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000704569
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 8	WNW	0.00 / 0.00	123.29 / 1	mid-florida freezer warehouses ltd 2560 w hwy 441 Apopka FL 32712	TIER 2

2018 Data

Facility ID:	6142164	**Explosive:**	False
Filing Year:	2017(Tier2)	**Filing Type:**	302 312 RMP
CAS No:	7664417	**Max Daily Qty:**	38000
Solid:	False	**Avg Daily Qty:**	38000
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mixture: True
First Submit Date: 2018-03-30(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 59-1355535
Chemical Name: Ammonia Anhydrous
Hazard Not Otherwise Classifi: False
Contact Name: William Mid-Florida Freezer
Contact Type: Owner / Operator
Contact Email: bkoeditz@mffreezer.com
Contact Work Phone:
Contact 24 Hour Phone: 407-886-7730
Contact Mobile Phone: 321-403-0252

2019 Data

Facility ID: 6407973
Filing Year: 2018(Tier2)
Explosive: False
Filing Type: 302
312
RMP
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: False
Mixture: True
Max Daily Qty: 38000
Avg Daily Qty: 38000
EHS: True
Below Thresholds:
Trade Secret:
First Submit Date: 2019-02-27(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 59-1355535
Chemical Name: Ammonia Anhydrous
Hazard Not Otherwise Classifi: False
Contact Name: William Mid-Florida Freezer LTD
Contact Type: Owner / Operator
Contact Email: bkoeditz@mffreezer.com
Contact Work Phone: 407-886-7730
Contact 24 Hour Phone: 407-886-7730
Contact Mobile Phone:

1	3 of 8	WNW	0.00 / 0.00	123.29 / 1	cold-link logistics orlando llc 2560 w hwy 441 Apopka FL 32712	TIER 2

2020 Data (Filed)

Facility ID: 6697545
Filing Year: 2019(Tier2)
Explosive: False
Filing Type: 302
312
RMP
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: False
Mixture: True
Max Daily Qty: 38,000
Avg Daily Qty: 38,000
EHS: True
Below Thresholds:
Trade Secret:
First Submit Date: 2020-04-01(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 84-4575002
Chemical Name: Ammonia Anhydrous
Hazard Not Otherwise Classifi: False
Contact Name: mark mandich
Contact Type: Owner / Operator
Contact Email: mark@mandich.com
Contact Work Phone:
Contact 24 Hour Phone: 3053213647
Contact Mobile Phone: 4078867730

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2021 Data

Facility ID:	6848997	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	302 312 RMP
CAS No:	7664417	***Max Daily Qty:***	38,000
Solid:	False	***Avg Daily Qty:***	38,000
Liquid:	True	***EHS:***	True
Gas:	True	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2021-03-29(Tier2)
NAICS Code:	493120
Dun Bradstreet Code:	84-4575002
Chemical Name:	Ammonia Anhydrous
Hazard Not Otherwise Classifi:	False
Contact Name:	mark mandich
Contact Type:	Owner / Operator
Contact Email:	mark@mandich.com
Contact Work Phone:	
Contact 24 Hour Phone:	3053213647
Contact Mobile Phone:	4078867730

1	***4 of 8***	***WNW***	***0.00 / 0.00***	***123.29 / 1***	***FL EXPRESS TRUCKING INC 2560 US 441 N PLYMOUTH FL 32768***	***TANK***

Fac ID:	8944489	***County:***	ORANGE
Facility Type:	Fuel user/Non-retail	***Latdd:***	
Method:		***Latmm:***	
Fac Phone:	4078867730	***Latss:***	
Owner ID:	14449	***Longdd:***	
Owner City:	PLYMOUTH	***Longmm:***	
Owner State:	FL	***Longss:***	
Owner Zip:	32768		

Owner Name:	MID FL FREEZER
Owner Address:	PO BOX 429
Owner Address2:	
Contact:	BILL SHELLEY
Phone:	4078861971
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8944489&CAT=11
Information Portal Facility URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8944489
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8944489/facility!search

1	***5 of 8***	***WNW***	***0.00 / 0.00***	***123.29 / 1***	***FL EXPRESS TRUCKING INC 2560 US 441 N PLYMOUTH FL 32768***	***AST***

Facility ID:	8513283	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	25
Facility Phone:	4078867730	***Lat SS:***	16
Dep Co:	P	***Long DD:***	81
Owner ID:	14451	***Long MM:***	23
Owner Phone:	4078861971	***Long SS:***	55

Owner:	MID FL FREEZER WAREHOUSES
Owner Address1:	PO BOX 429
Owner Address2:	
Owner City:	PLYMOUTH
Owner State:	FL
Owner Zip 5:	32768
Contact:	PATRICK LEE
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8513283&CAT=11

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8513283
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513283/facility!search

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	13-DEC-1996	***Capacity:***	12000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	A
Tank Determin:		***Contdesc:***	Leaded Gas

1	6 of 8	WNW	0.00 / 0.00	123.29 / 1	FL EXPRESS TRUCKING INC 2560 US 441 N PLYMOUTH FL 32768	STCS

Facility ID:	8513283	***Clnup Cd (OD):***	
Type:	C - Fuel User/Non-Retail	***Fac Clnup Stat (OD):***	
Status:	Closed	***Clnup Dt (OD):***	
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	CLOSED	***Contam (Map):***	
Fac Code (OD):	C	***Fac Type (Map):***	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	***Fac Stat (Map):***	CLOSED
Fac Name (OD):	FL EXPRESS TRUCKING INC		
Address (OD):	2560 US 441 N		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	FL EXPRESS TRUCKING INC		
Address (Map):	2560 US 441 N		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	2560 Us 441 N		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	6631	***Map Src:***	1999 doqs
X:	-81.55321967	***Map Scale:***	5000
Y:	28.69200978	***Elevation:***	
Regulated:	NO	***El Datum:***	
Col Meth:	DPHO	***El Resolut:***	
Col Name:	WOEBER_A	***El Units:***	
Col Date:	26-May-2006	***ALB East:***	638618.42
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	523015.12
Ver Meth:	DPHO	***Loc ID:***	17383
Ver Name:	WOEBER_A	***Lat DD:***	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	41
Ver Date:	26-May-2006	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	APPRX	***Long MM:***	33
Datum:	HARN	***Long SS:***	
Coord Acc:	4		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Col Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Direct:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513283/gis-facility!search

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17383	**Rel Feat:**	APPRX
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078867730	**El Units:**	
Operator:	FL EXPRESS TRUCKING INC	**Map Src:**	1999 doqs
Next action:	PLACARD 30-JUL-94	**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638618.42
OOIC:	FACILITY	**Alb North:**	523015.12
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	5/26/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	5/26/2006	**Long SS:**	
Object ID:	17383		

Col Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513283/gis-facility!search

Storage Tank Contaminated Facility Name & Address Search Details

Name: Fl Express Trucking Inc
2560 Us 441 N
Plymouth, FL 32768
LL Method: DPHO - Unverified
Account Owner: Mid Fl Freezer Warehouses
Contact: Fl Express Trucking Inc
Phone: 407-886-7730
District: CD
County 1: 48 - Orange
Latitude: 28:41:31.2352
Longitude: 81:33:11.5908

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 12000
Content: Leaded Gas
Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	7 of 8	WNW	0.00 / 0.00	123.29 / 1	FL EXPRESS TRUCKING INC 2560 US 441 N PLYMOUTH FL 32768	STCS

Facility ID:	8944489	**Clnup Cd (OD):**	
Type:	C - Fuel User/Non-Retail	**Fac Clnup Stat (OD):**	
Status:	Closed	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	CLOSED	**Contam (Map):**	
Fac Code (OD):	C	**Fac Type (Map):**	Fuel user/Non-retail

Facility 1:	Fuel user/Non-retail	**Fac Stat (Map):**	CLOSED
Fac Name (OD):	FL EXPRESS TRUCKING INC		
Address (OD):	2560 US 441 N		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	FL EXPRESS TRUCKING INC		
Address (Map):	2560 US 441 N		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	2560 Us 441 N		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	34345	**Map Src:**	1999 doqs
X:	-81.55319894	**Map Scale:**	5000
Y:	28.69201842	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	26-May-2006	**ALB East:**	638619.75
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	523016.45
Ver Meth:	DPHO	**Loc ID:**	16019
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	26-May-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	APPRX	**Long MM:**	33
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8944489/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	16019	**Rel Feat:**	APPRX
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078867730	**El Units:**	
Operator:	FL EXPRESS TRUCKING INC	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638619.75
OOIC:	FACILITY	**Alb North:**	523016.45
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	5/26/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	5/26/2006	**Long SS:**	
Object ID:	16019		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8944489/gis-facility!search

Storage Tank Contaminated Facility Name & Address Search Details

Name: Fl Express Trucking Inc
2560 Us 441 N
Plymouth, FL 32768
LL Method: DPHO
Account Owner: Mid Fl Freezer
Contact: Fl Express Trucking Inc
Phone: 407-886-7730
District: CD
County 1: 48 - Orange
Latitude: 28:41:31.2663
Longitude: 81:33:11.5162

1	8 of 8	WNW	0.00 / 0.00	123.29 / 1	**Cold Link Logistics Orlando LLC** **2560 W. Orange Blossom Trail** **Apopka FL 32712**	TIER 2

2023 Data

Facility ID: 7267404
Filing Year: 2022(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
First Submit Date: 2023-02-01(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 117716336
Chemical Name: Anhydrous Ammonia
Hazard Not Otherwise Classifi: False
Contact Name: Mark Mandich
Contact Type: Owner / Operator
Contact Email: mark@mandichgroup.com
Contact Work Phone: 407-886-7730
Contact 24 Hour Phone: 305-321-3647
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
RMP
Max Daily Qty: 27,636
Avg Daily Qty: 27,636
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

2023 Data

Facility ID: 7267404
Filing Year: 2022(Tier2)
CAS No: 7664939
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2023-02-01(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 117716336
Chemical Name: Lead Acid Battery
Hazard Not Otherwise Classifi: False
Contact Name: Mark Mandich
Contact Type: Owner / Operator
Contact Email: mark@mandichgroup.com
Explosive: True
Filing Type: 302
312
RMP
Max Daily Qty: 59,192
Avg Daily Qty: 59,192
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Work Phone: 407-886-7730
Contact 24 Hour Phone: 305-321-3647
Contact Mobile Phone:

2024 Data

Facility ID: 7414514
Filing Year: 2023(Tier2)
CAS No: 7664939
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: True
First Submit Date: 2024-02-12(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 117716336
Chemical Name: Lead Acid Battery
Hazard Not Otherwise Classifi: False
Contact Name: Mark Mandich
Contact Type: Owner / Operator
Contact Email: mark@mandichgroup.com
Contact Work Phone: 4078867730
Contact 24 Hour Phone: 3053213647
Contact Mobile Phone:
Explosive: True
Filing Type: 302
312
RMP
Max Daily Qty: 59,192
Avg Daily Qty: 59,192
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr: 3,310

2024 Data

Facility ID: 7414514
Filing Year: 2023(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: True
First Submit Date: 2024-02-12(Tier2)
NAICS Code: 493120
Dun Bradstreet Code: 117716336
Chemical Name: Anhydrous Ammonia
Hazard Not Otherwise Classifi: False
Contact Name: Mark Mandich
Contact Type: Owner / Operator
Contact Email: mark@mandichgroup.com
Contact Work Phone: 4078867730
Contact 24 Hour Phone: 3053213647
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
RMP
Max Daily Qty: 27,636
Avg Daily Qty: 27,636
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr: 6,324

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of1	SE	0.01 / 38.61	116.55 / -5	MCGEE WASTE TIRE 2400 MAYFLOWER AVE ORLANDO FL 32703	SWF/LF

Facility ID: 100377
Fac Type (Geodata): Solid Waste
Fac Stat (Geodata): Nfa,No Further Action
Status Dt (Geodat): 2012/03/13 00:00:00+00
District: CD
Section:
Township:
Range:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Ownership (Geodat): Private
Zip4 (Geodata):
Zip5 (Geodata): 32703
District (Geodata): CD
Office (Geodata):
Resp Authority:
RA Address:
City1:
RA State:
Zip1:
RA Phone No.:
RA Email:
Site Supervisor:
SS Address:
City 1:
SS State:
Zip 1:
SS Phone No:
SS Email:
Land Owner:
LO Address:
City 2:
LO State:
Zip 2:
LO Phone No:
County ID (Geodat): 48
County (Geodata): Orange
County: ORANGE
Latitude: 28:39:43.6932
Longitude: 81:29:22.3584

Facility Name (Geodata): MCGEE WASTE TIRE
Address (Geodata): 2400 MAYFLOWER AVE
City (Geodata): Orlando
Documents (Geodata): https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/100377/gis-facility!search
Reports (Geodata): https://fldep.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Inventory_res2.asp?wacsid=100377
Info Portal Facility URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=100377
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=100377&CAT=8
Data Source: Solid Waste Facility Inventory Report; Florida DEP Geospatial Open Data

Class details

Class: UNAUTHORIZED DISPOSAL/PROCESSING-COMPLAINT
Class Status: NFA,NO FURTHER ACTION (F)

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest: Facility
Accuracy Level: 6
Accuracy: 50 - 999.99 meters
QA Status: Not Reviewed
Datum ID: NAD83
X: 644894.544499825
Y: 519823.001300341
Class:
Class Status:
Proximity ID: Approximate feature location
Coord Method ID: ZIP+2 Segment Centroid
Lat DD: 28
Lat MM: 39
Lat SS:
Long DD: 81
Long MM: 29
Long SS:

3	1 of1	E	0.01 / 49.62	110.96 / -11	JIM MARTIN MACHINE SHOP 2322 WEST ORANGE BLOSSON TRAIL APOPKA FL 32704	FINDS/FRS

Registry ID: 110070334852
FIPS Code:
HUC Code: 03080102
Site Type Name:
Location Description:
Supplemental Location:
Create Date: 27-SEP-18
Update Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Interest Types:	OSHA ESTABLISHMENT
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	333992
NAICS Code Descriptions:	WELDING AND SOLDERING EQUIPMENT MANUFACTURING.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022046
EPA Region Code:	04
County Name:	
US/Mexico Border Ind:	
Latitude:	28.69036
Longitude:	-81.54741
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070334852
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of2	SE	0.01 / 50.60	114.17 / -8	APOPKA TRANS-LOAD FACILITY 2350 MAYFLOWER AVE APOPKA FL 32703	FINDS/FRS

Registry ID:	110070835439
FIPS Code:	12095
HUC Code:	03080102
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	21-SEP-20
Update Date:	
Interest Types:	
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022037
EPA Region Code:	04
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	28.68847
Longitude:	-81.54877
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070835439
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of2	SE	0.01 / 50.60	114.17 / -8	Apopka Trans-Load Facility 2350 Mayflower Ave. Apopka FL 32703	TIER 2

2022 Data

Facility ID:	7134996	**Explosive:**	True
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	106978	**Max Daily Qty:**	725,580
Solid:	False	**Avg Daily Qty:**	725,580
Liquid:	True	**EHS:**	
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-03-01(Tier2)		
NAICS Code:	484230		
Dun Bradstreet Code:	625224928		
Chemical Name:	Butane		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Grammer Logistics		
Contact Type:	Owner / Operator		
Contact Email:	george@grammerlogistics.com		
Contact Work Phone:	8125795655		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7277084	**Explosive:**	True
Filing Year:	2022(Tier2)	**Filing Type:**	312 RMP
CAS No:	106978	**Max Daily Qty:**	725,580
Solid:	False	**Avg Daily Qty:**	725,580
Liquid:	True	**EHS:**	
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-28(Tier2)		
NAICS Code:	484230		
Dun Bradstreet Code:	625224928		
Chemical Name:	Butane		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Grammer Logistics		
Contact Type:	Owner / Operator		
Contact Email:	chad.hall@grammerlogistics.com		
Contact Work Phone:	8125795655		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of27	S	0.01 / 59.47	120.26 / -2	2501 ORANGE AVE PLYMOUTH FL	ERNS 1987 TO 1989

Spill ID:	14461	**Date of Spill:**	17-AUG-89
Suspected Comp:		**Spill County:**	ORANGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of27	S	0.01 / 59.47	120.26 / -2	2501 W ORANGE AVE APOPKA FL 32703	ERNS

NRC Report No:	800048	**Latitude Degrees:**	
Type of Incident:	STORAGE TANK	**Latitude Minutes:**	

Incident Cause:	OPERATOR ERROR	**Latitude Seconds:**	
Incident Date:	08-Jun-2006 15:00:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	DISCOVERED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ORANGE	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 2006 Reports		

Description of Incident: CALLER STATED THAT A TANK WAS OVERFILLED RESULTING IN A SPLASHING THAT REACHED BEYOND THE SECONDARY CONTAINMENT AREA. THE MATERIALS THEN REACHED A STORM DRAIN THAT LEADS TO A DRY ONSITE RETENTION AREA.

Material Spill Information

Chris Code:	NCC	**Unit of Measure:**	UNKNOWN AMOUNT
CAS No:	000000-00-0	**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	CITRUS TERPENES	**Unit Reach Water:**	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	08-Jun-2006 17:44:30	**Responsible City:**	APOPKA
Date Time Complete:	08-Jun-2006 17:51:52	**Responsible State:**	FL
Call Type:	INC	**Responsible Zip:**	32703
Resp Company:	COCA COLA	**Source:**	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:	504	**Building ID:**	
Tank Regulated:	N	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:	30000	**OCSG No:**	
Capacity Tank Units:	GALLON(S)	**OCSP No:**	
Description of Tank:	STORAGE TANK	**State Lease No:**	
Actual Amount:	30000	**Pier Dock No:**	
Actual Amount Units:	GALLON(S)	**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	N
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:		**Structure Oper:**	U
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:		**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:		**No of Conductor Tested:**	
Pipeline Abv Ground:	ABOVE	**No of Engineer**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

		Tested:	
Pipeline Covered:	U	**No of Trainman Tested:**	
Exposed Underwater:	N	**No of Yard Foreman Tested:**	
Railroad Hotline:		**No of RCL Operator Tested:**	
Railroad Milepost:		**No of Brakeman Tested:**	
Grade Crossing:	N	**No of Train Dispat Tested:**	
Crossing Device Ty:		**No of Signalman Tested:**	
Ty Vehicle Involved:		**No of Other Emp Tested:**	
Device Operational:	Y	**No of Unknown Emp Tested:**	

Incident Details Information

Release Secured:	Y	**State Agen Report No:**	NONE GIVEN
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	LEPC, ST ERC
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	IN THE PROCESS OF EVALUATING THE SITUATION	**Body of Water:**	INTERNAL STORM DRAIN
Fire Involved:	N	**Tributary of:**	DRY ONSITE RETENTION POND
Fire Extinguished:	U	**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	N
Who Evacuated:		**Weather Conditions:**	RAINY
Radius of Evac:		**Air Temperature:**	
Any Injuries:	N	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	U
Any Fatalities:	N	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	N
Waterway Close Time:		**Passengers Transfer:**	NO
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	NONE	**Sheen Odor Desc:**	
Medium Desc:	WATER	**Duration Unit:**	
Addl Medium Info:	LAND>STORM DRAIN	**Additional Info:**	MOST OF THE MATERIAL SPILLED INTO THE SECONDARY CONTAINMENT, BUT IT IS UNKNOWN HOW MUCH REACHED THE STORM DRAIN.

5	***3 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***2501 W ORANGE AVE APOPKA FL 32703***	***ERNS***

NRC Report No:	882561	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	
Incident Cause:	EQUIPMENT FAILURE	**Latitude Seconds:**	
Incident Date:	03-Sep-2008 04:30:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	DISCOVERED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	N/A
Location County:	ORANGE	**Location Township:**	N/A
Potential Flag:	No	**Location Range:**	N/A
Year:	Year 2008 Reports		

Description of Incident: THE CALLER STATED THAT A FAULTY GAUGE WITHIN THE FACILITY HAS CAUSED A RELEASE OF AMMONIA TO THE ATMOSPHERE. THE REPORTABLE QUANTITY MAY BE EXCEEDED.

Material Spill Information

Chris Code:	AMA	**Unit of Measure:**	UNKNOWN AMOUNT
CAS No:	007664-41-7	**If Reached Water:**	NO
UN No:		**Amount in Water:**	
Name of Material:	AMMONIA, ANHYDROUS	**Unit Reach Water:**	
Amount of Material:	0		

Calls Information

Date Time Received:	03-Sep-2008 06:37:04	**Responsible City:**	APOPKA
Date Time Complete:	03-Sep-2008 06:40:14	**Responsible State:**	FL
Call Type:	INC	**Responsible Zip:**	32703
Resp Company:	COCA COLA	**Source:**	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	U
NPDES:		**Airbag Deployed:**	U
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	U
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:		**Structure Oper:**	U
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	N	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	OTHER	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:		**No of Conductor**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Pipeline Abv Ground:	ABOVE	**Tested:**	
Pipeline Covered:	U	**No of Engineer Tested:**	
Exposed Underwater:	N	**No of Trainman Tested:**	
Railroad Hotline:		**No of Yard Foreman Tested:**	
Railroad Milepost:		**No of RCL Operator Tested:**	
Grade Crossing:	U	**No of Brakeman Tested:**	
Crossing Device Ty:		**No of Train Dispat Tested:**	
Ty Vehicle Involved:		**No of Signalman Tested:**	
Device Operational:	Y	**No of Other Emp Tested:**	
		No of Unknown Emp Tested:	

Incident Details Information

Release Secured:	Y	**State Agen Report No:**	NONE
Release Rate:		**State Agen on Scene:**	FIRE
Release Rate Unit:		**State Agen Notified:**	FIRE
Release Rate Rate:		**Fed Agency Notified:**	NONE
Est Duration of Rel:	1.5	**Oth Agency Notified:**	
Desc Remedial Act:	EMPLOYEES LEFT THE AREA, CONTRACTORS EN ROUTE FOR REPAIRS.	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:	U	**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	N
Who Evacuated:		**Weather Conditions:**	UNKNOWN
Radius of Evac:		**Air Temperature:**	80
Any Injuries:	N	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	U
Any Fatalities:	N	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	
Waterway Close Time:		**Passengers Transfer:**	NO
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	NONE	**Sheen Odor Desc:**	
Medium Desc:	AIR	**Duration Unit:**	HOUR
Addl Medium Info:	ATMOSPHERE	**Additional Info:**	THE CALLER HAD NO ADDITIONAL INFORMATION.

5	***4 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***2501 ORANGE AVE PLYMOUTH FL 32703***	***ERNS***

NRC Report No:	292165	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	
Incident Cause:	UNKNOWN	**Latitude Seconds:**	
Incident Date:	19-May-1995 12:35:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	OCCURRED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ORANGE	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 1995 Reports		

Description of Incident: CHILLER//RELEASED MATERIALS DUE TO UNKNOWN REASONS

Material Spill Information

Chris Code:	AMA	**Unit of Measure:**	UNKNOWN AMOUNT
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	AMMONIA, ANHYDROUS	**Unit Reach Water:**	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	19-May-1995 13:28:49	**Responsible City:**	APOPKA
Date Time Complete:	19-May-1995 13:32:29	**Responsible State:**	FL
Call Type:	INC	**Responsible Zip:**	32703
Resp Company:	COCA COLA FOODS	**Source:**	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:	UNKNOWN	**Structure Oper:**	Y
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	UNKNOWN	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:	UNKNOWN	**No of Conductor Tested:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Pipeline Abv Ground:	ABOVE	**No of Engineer Tested:**	
Pipeline Covered:	U	**No of Trainman Tested:**	
Exposed Underwater:	U	**No of Yard Foreman Tested:**	
Railroad Hotline:	No	**No of RCL Operator Tested:**	
Railroad Milepost:	UNKNOWN	**No of Brakeman Tested:**	
Grade Crossing:	N	**No of Train Dispat Tested:**	
Crossing Device Ty:		**No of Signalman Tested:**	
Ty Vehicle Involved:	UNKNOWN	**No of Other Emp Tested:**	
Device Operational:	Y	**No of Unknown Emp Tested:**	

Incident Details Information

Release Secured:		**State Agen Report No:**	
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	SECURED//MATERIAL DISSIPATED	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:		**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	
Who Evacuated:		**Weather Conditions:**	
Radius of Evac:		**Air Temperature:**	
Any Injuries:	U	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	
Any Fatalities:	U	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:		**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:		**Sheen Size Length:**	
Track Closed:		**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:		**Sheen Odor Desc:**	
Medium Desc:	AIR	**Duration Unit:**	
Addl Medium Info:	ATMOSPHERE	**Additional Info:**	

5	***5 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***THE COCA-COLA COMPANY FLAVOR MANUFACTURING 2501 ORANGE AVE APOPKA FL 32703-3346***	***RCRA SQG***

Handler ID: FLR000047506

Generator Status: SQG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2025.

Violation Details

Viol Type: 262.A
Citation: 262.16(b)(8)(v)
Determined Date: 20220621
Scheduled Compliance Date:
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: Generators - General
Actual Rtc Date: 20220623
Found Violation: Yes
Rtc Qualifier: Unverifiable

Violation Details

Viol Type: 273.B
Citation: 273.14(e)
Determined Date: 20220621
Scheduled Compliance Date:
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: Universal Waste - Small Quantity Handlers
Actual Rtc Date: 20220621
Found Violation: Yes
Rtc Qualifier: Unverifiable

Violation Details

Viol Type: XXS
Citation: 62-730.160(3)
Determined Date: 20220621
Scheduled Compliance Date:
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: State Statute or Regulation
Actual Rtc Date: 20220623
Found Violation: Yes
Rtc Qualifier: Unverifiable

Violation Details

Viol Type: 262.A
Citation: GGR:262.11
Determined Date: 19980803
Scheduled Compliance Date:
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: Generators - General
Actual Rtc Date: 19981021
Found Violation: Yes
Rtc Qualifier: Unverifiable

Evaluation Details

Eval Start Date: 20220621
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Universal Waste - Small Quantity Handlers
Actual Rtc Date: 20220621
Eval Agency: State

Eval Start Date: 20220621
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: State Statute or Regulation
Actual Rtc Date: 20220623

Eval Agency: State

Eval Start Date: 20220621
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - General
Actual Rtc Date: 20220623
Eval Agency: State

Eval Start Date: 20180709
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 19981022
Eval Type Desc: NON-FINANCIAL RECORD REVIEW
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 19980803
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - General
Actual Rtc Date: 19981021
Eval Agency: State

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	I	***NAIC 1:***	
Seq No:	202206	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20220621	***NAIC 4:***	
Active Site:	H----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.687652
In Handler Univ:	Y	***Location Longitude:***	-81.550516
In A Universe:	Y	***Loc GIS Primary:***	N
Gen Status:	SQG	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		

Fed Waste Gen Owner: HQ
State Waste Generator Owner: FL
State Waste Generator: 2
Short Term Generator: N
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----

GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20240315
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Location Street No:	
Location Street1:	2501 ORANGE AVE
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32703-3346
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	KAREN CROWN
Contact Street No:	
Contact Street1:	2501 W ORANGE AVE
Contact Street2:	
Contact City:	APOPKA
Contact State:	FL
Contact Zip:	32703-3346
Contact Country:	US
Contact Phone And Ext:	407-358-6740
Contact Fax:	
Contact Email Address:	KCROWN@COCA-COLA.COM
Contact Title:	SES MANAGER
Owner Name:	COCA COLA COMPANY
Owner Type:	P
Owner Seq:	101
Operator Name:	COCA COLA COMPANY
Operator Type:	P
Operator Seq:	102
Public Notes:	

Hazardous Waste Handler Details

Seq No:	199808
Receive Date:	19980803
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Fed Waste Generator:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Hazardous Waste Handler Details

Seq No: 201003
Receive Date: 20100326
Handler Name: THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U001
Waste Code Desc: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Handler Details

Seq No: 201807
Receive Date: 20180709
Handler Name: THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE

CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U001
Waste Code Desc: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Handler Details

Seq No: 202109
Receive Date: 20210902
Handler Name: THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D012
Waste Code Desc: ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste Code: D013
Waste Code Desc: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: D032
Waste Code Desc: HEXACHLOROBENZENE

Waste Code: D038
Waste Code Desc: PYRIDINE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,

BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U001
Waste Code Desc: ACETALDEHYDE (I) (OR) ETHANAL (I)

Waste Code: U002
Waste Code Desc: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U003
Waste Code Desc: ACETONITRILE (I,T)

Waste Code: U123
Waste Code Desc: FORMIC ACID (C,T)

Waste Code: U125
Waste Code Desc: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

Hazardous Waste Handler Details

Seq No: 202206
Receive Date: 20220621
Handler Name: THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D012
Waste Code Desc: ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste Code: D013
Waste Code Desc: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: D032
Waste Code Desc: HEXACHLOROBENZENE

Waste Code: D038
Waste Code Desc: PYRIDINE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR

THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U001
Waste Code Desc: ACETALDEHYDE (I) (OR) ETHANAL (I)

Waste Code: U002
Waste Code Desc: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U003
Waste Code Desc: ACETONITRILE (I,T)

Waste Code: U123
Waste Code Desc: FORMIC ACID (C,T)

Waste Code: U125
Waste Code Desc: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: COCA COLA COMPANY
Dt Became Current: 20210902
Dt Ended Current:
Phone: 843-886-8634
Source Type: Notification
Street No:
Street1: ONE COCA-COLA PLAZA NW
Street2:
City: ATLANTA
State: GA
Country: US
Zip: 30313-3346

Owner/Operator Ind: Current Owner
Type: Private
Name: COCA COLA COMPANY
Dt Became Current: 19981022
Dt Ended Current:
Phone: 407-884-1001
Source Type: Implementer
Street No:
Street1: 2501 ORANGE AVE
Street2:
City: APOPKA
State: FL
Country: US
Zip: 32703-3346

Owner/Operator Ind: Current Owner
Type: Private
Name: COCA COLA COMPANY
Dt Became Current: 19981022
Dt Ended Current:
Phone: 407-884-1001
Source Type: Notification
Street No:
Street1: 2501 ORANGE AVE
Street2:
City: APOPKA
State: FL
Country: US
Zip: 32703-3346

Owner/Operator Ind: Current Operator
Type: Private
Name: COCA COLA COMPANY
Dt Became Current: 20210902
Dt Ended Current:
Phone: 843-886-8634
Street No:
Street1: 2501 ORANGE AVE
Street2:
City: APOPKA
State: FL
Country: US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	ONE COCA-COLA PLAZA NW
Name:	COCA COLA COMPANY	**Street2:**	
Dt Became Current:	20210902	**City:**	ATLANTA
Dt Ended Current:		**State:**	GA
Phone:	843-886-8634	**Country:**	US
Source Type:	Implementer	**Zip:**	30313-3346
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2501 ORANGE AVE
Name:	COCA COLA COMPANY	**Street2:**	
Dt Became Current:	19981022	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-884-1001	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2501 ORANGE AVE
Name:	COCA COLA COMPANY	**Street2:**	
Dt Became Current:	19981022	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-884-1001	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2501 ORANGE AVE
Name:	COCA COLA COMPANY	**Street2:**	
Dt Became Current:	20210902	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	843-886-8634	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346

Historical Handler Details

Receive Dt:	20210902
Generator Code Description:	Small Quantity Generator
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Receive Dt:	20180709
Generator Code Description:	Small Quantity Generator
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Receive Dt:	20100326
Generator Code Description:	Small Quantity Generator
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING
Receive Dt:	19980803
Generator Code Description:	Small Quantity Generator
Handler Name:	THE COCA-COLA COMPANY FLAVOR MANUFACTURING

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	6 of27	S	0.01 / 59.47	120.26 / -2	Coca Cola Company, 2501 W. Orange Ave. APOPKA FL	SPILLS

Incident No:	6260
Incident Type:	Inland
Incident Date:	06/09/2006
County:	Orange

Spill Details

Pollutant Name:	Food oils	**Closure Date:**	
Pollutant Actual Vol:	40	**Description:**	Discharge

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Food oils
Pollutant Actual Vol: 40
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Leak/overflow
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

5	7 of27	S	0.01 / 59.47	120.26 / -2	THE COCA COLA COMPANY 2501 W. ORANGE AVE APOPKA FL 32703-3346	FINDS/FRS

Registry ID: 110041171219
FIPS Code: 12095
HUC Code: 03080102
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 27-MAY-10
Update Date: 01-JUN-17
Interest Types: AIR SYNTHETIC MINOR, ICIS-NPDES NON-MAJOR, OSHA ESTABLISHMENT, STORM WATER CONSTRUCTION, TSCA SUBMITTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 311930
NAICS Code Descriptions: FLAVORING SYRUP AND CONCENTRATE MANUFACTURING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 24
Census Block Code: 120950178022062
EPA Region Code: 04
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 28.68727
Longitude: -81.55039
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110041171219
Data Source: Facility Registry Service - Single File
Program Acronyms:

5	8 of27	S	0.01 / 59.47	120.26 / -2	SPECIAL PRODUCTS DEPARTMENT 2501 WEST ORANGE AVENUE APOPKA FL 32703-3346	TSCA

List Company: The Coca-Cola Company
Site County:
Site Latitude: 28.68778
Site Longitude: -81.55046
Longitude83:
Latitude83:

Data Source: EPA 2020 CDR Consumer and Commercial Use Data; Downloadable 2006 IUR Public Database

2012 Site Details

Chemical Report ID:	440137	**Activity:**	M
Chemical ID No:	65996-98-7	**No of Workers:**	50 - 99
Stripped Chem. ID No:	65996987	**Parent Co. Nme:**	COCACOLA CO
No ID Code:	CASRN	**Parent Address:**	One Coca-Cola Plaza
Chemical Nme:	Terpenes and Terpenoids, limonene fraction	**Parent Suppl Addr:**	P.O. Box 1734
Dom MFG LB:	1071783	**Parent City:**	Atlanta
Imported LB:	0	**Parent County:**	Fulton
Imp. Never at Site:		**Parent State:**	GA
Vol. Used:	0	**Parent Zip:**	30301
Vol. Exported:	0	**Submitter Title:**	Mr.
Max Concentr:	60% - < 90%	**Submitter First Nme:**	Eric
Chemical Recycled:	YES	**Submitter Mid Initial:**	T
Physical Forms:	Liquid	**Submitter Last Nme:**	Bennett
Past Prod Vol.:	6611223	**Submitter Suffix:**	

2012 Industrial Use Information

Type Process Use:	Not Known or Reasonably Ascertainable
Sector:	Not Known or Reasonably Ascertainable
Function Category:	Not Known or Reasonably Ascertainable
PCT Prod Volume:	24
No of Sites:	< 10
No of Workers:	Not Known or Reasonably Ascertainable

2016 Site Details

Consolidated ID:	7219861	**PPV. 2012:**	Withheld
Chemical ID No:	65996-98-7	**Parent Comp Name:**	The Coca-Cola Company
Stripped Chem ID No:	65996987	**Parent Address:**	One Coca-Cola Plaza
Chemical Name:	Terpenes and Terpenoids, limonene fraction	**Parent Suppl Addr:**	
Activity:	Domestically Manufactured	**Parent City:**	Atlanta
Dom MFG LB:	Withheld	**Parent County:**	Fulton
Imported LB:	Withheld	**Parent State:**	GA
Dom Import:	Withheld	**Parent Zip:**	30301
Import Never at Site:		**Submitter First Name:**	Eric
Volume Used:	CBI	**Submitter Mid Initial:**	
Volume Exported:	0	**Submitter Last Name:**	Bennett
No of Workers:	At least 50 but fewer than 100 workers	**Submitter Suffix:**	
Max Concentration:	At least 60 but less than 90% by weight	**Submitter Title:**	Mr
Chemical Recycled:	YES	**NAT AGG PV:**	Withheld
Physical Forms:	Liquid	**NAT AGG PPV 2014:**	1,000,000 - 10,000,000 lb
PPV. 2014:	Withheld	**NAT AGG PPV 2013:**	100,000 - 500,000 lb
PPV. 2013:	Withheld	**NAT AGG PPV 2012:**	100,000 - 500,000 lb

2016 Industrial Use Information

Type Process Use:	Not known or reasonably ascertainable
Sector:	Not known or reasonably ascertainable
Function Category:	Not known or reasonably ascertainable
I Pct Prod Volume:	100
No. Sites:	Not known or reasonably ascertainable
I No. Workers:	Not known or reasonably ascertainable

2020 Consumer Use Information

A2016 Nationally Aggregated Pv:	2,109,176
A2016 Pv:	2,109,176
A2017 Nationally Aggregated	1,874,926

Pv:	
A2017 Pv:	1,874,926
A2018 Nationally Aggregated Pv:	1,869,138
A2018 Pv:	1,869,138
A2019 Domestic Pv:	1,900,212
A2019 Import Pv:	0
A2019 Nationally Aggregated Pv:	1,900,212
A2019 Pv:	1,900,212
A2019 V Exported:	0
A2019 V Used On Site:	0
Activity:	Manufacture
Chemical ID:	65996-98-7
Chemical ID Type:	CASRN
Chemical ID W O Dashes:	65996987
Chemical Name:	Terpenes and Terpenoids, limonene fraction
Chemical Report ID:	722573
Commercial Workers:	Not Known or Reasonably Ascertainable
Comm Workers Code:	NKRA
Consumer Commercial Product Ca:	Not Known or Reasonably Ascertainable
Cons Comm Function Category:	Not Known or Reasonably Ascertainable
Cons Comm Funct Cat Other Desc:	
Cons Comm Prod Cat Other Desc:	
Cons Or Comm Use:	NKRA
C C Fc Code:	NKRA
C C Maximum Concentration:	Not Known or Reasonably Ascertainable
C C Max Conc Code:	NKRA
C C Prod Cat Code:	NKRA
C C Pv Pct:	NKRA
Domestic Parent Company Name:	The Coca-Cola Company
Domestic Pc Address Line1:	One Coca-Cola Plaza
Domestic Pc Address Line2:	
Domestic Pc City:	Atlanta
Domestic Pc County Parish:	Fulton
Domestic Pc Dun Bradstreet No:	00-329-6175
Domestic Pc Postal Code:	30301
Domestic Pc State:	GA
Foreign Parent Company Name:	
Foreign Pc Address Line1:	
Foreign Pc Address Line2:	
Foreign Pc City:	
Foreign Pc Country Code:	
Foreign Pc County Parish:	
Foreign Pc Dun Bradstreet No:	
Foreign Pc Postal Code:	
Imported Chem Never at Site:	
Joint Fc Code:	
Joint Function Category:	
Joint Funct Cat Other Desc:	
Maximum Concentration:	60% - < 90%
Max Conc Code:	M4
Pct Byp Code:	B4
Percent Byproduct:	100 percent by weight
Physical Form S :	Liquid
Recycled:	Yes
Site Naics Activity 1:	Both
Site Naics Activity 2:	
Site Naics Activity 3:	
Site Naics Code 1:	311942 Spice And Extract Manufacturing
Site Naics Code 2:	
Site Naics Code 3:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used in Prod For Children: NKRA
Workers: 50 - 99
Workers Code: W4
Industrial Function Category: Not Known or Reasonably Ascertainable
Industrial Sector: Not Known or Reasonably Ascertainable
Industrial Sites: Not Known or Reasonably Ascertainable
Industrial Type of Process Or: Not Known or Reasonably Ascertainable
Industrial Workers: Not Known or Reasonably Ascertainable
Ind Fc Code: NKRA
Ind Funct Cat Other Desc:
Ind Pv Pct: NKRA
Ind Sector Other Desc:
Ind Sect Code: NKRA
Ind Sites Code: NKRA
Ind Type Code: NKRA
Ind Workers Code: NKRA
Site Dun Bradstreet No: 05-339-3039
Epa Tsca Program ID: 100601279
Epa Facility Registry ID: 110060343260

2006 IUR Company Details

CAS: 65996-98-7
Imprt Data: No
MFR Data: Yes
Site Limit: No
Chem Agg P: 1 to < 10 million lbs
Chem Comme: Yes
Chem Ind P: Yes
Chem Name1: Terpenes and Terpenoids, limonene fraction
Chem Name2:
Chem No S: 1 to 99
Chem No W: 1000 or greater
Chem Physi: Liquid
MAX_CONC (Chem): 61% - 90%

2006 Ind Acts

Proc Type: Use--nonincorporative activities
NACIS Titl: Seasoning and Dressing Manufacturing
Ind Functi: Solvents (for cleaning or degreasing)

2006 Product Catergory Details

Prod Cat: Soaps and detergents
Max Conc: NRO
Child Use: No

5	*9 of27*	*S*	*0.01 / 59.47*	*120.26 / -2*	***THE COCA-COLA COMPANY FLAVOR MANUFACTURING APOPKA 2501 ORANGE AVE APOPKA FL 32703-3346***	***FINDS/FRS***

Registry ID: 110064324823
FIPS Code: FL095
HUC Code: 03080102
Site Type Name: STATIONARY
Location Description: RODUCTS DEPT
Supplemental Location:
Create Date: 10-MAY-15
Update Date: 07-OCT-16
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes: 2087
SIC Code Descriptions: FLAVORING EXTRACTS AND FLAVORING SYRUPS, NOT ELSEWHERE CLASSIFIED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Codes:	311942
NAICS Code Descriptions:	SPICE AND EXTRACT MANUFACTURING.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022062
EPA Region Code:	04
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	28.68727
Longitude:	-81.550162
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110064324823
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	10 of27	S	0.01 / 59.47	120.26 / -2	SPECIAL PRODUCTS DEPARTMENT 2501 WEST ORANGE AVENUE APOPKA FL 32703-3346	FINDS/FRS

Registry ID:	110060343258
FIPS Code:	
HUC Code:	03080102
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	02-SEP-14
Update Date:	
Interest Types:	TSCA SUBMITTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022062
EPA Region Code:	04
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	28.68727
Longitude:	-81.55039
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110060343258
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	11 of27	S	0.01 /	120.26 /	THE COCA COLA COMPANY	ICIS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			59.47	-2	2501 ORANGE AVE APOPKA FL 327033346	

EPA Region:	04	**Federal Fac ID:**	
Registry ID:	110027966459	**Tribal Land Code:**	
Pgm Sys ID:	FL0000001209500006	**County:**	Orange
Pgm Sys Acrnm:	AIR	**Latitude 83:**	28.687653
Permit Type:		**Longitude 83:**	-81.550517

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	12 of27	S	0.01 / 59.47	120.26 / -2	THE MINUTE MAID CO., SPECIAL P 2501 WEST ORANGE AVENUE PLYMOUTH FL 32703	ICIS

EPA Region:	04	**Federal Fac ID:**	
Registry ID:	110064324823	**Tribal Land Code:**	
Pgm Sys ID:	FLR05A763	**County:**	Orange
Pgm Sys Acrnm:	NPDES	**Latitude 83:**	28.691667
Permit Type:	General Permit Covered Facility	**Longitude 83:**	-83.558333

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	13 of27	S	0.01 / 59.47	120.26 / -2	2501 West Orange Ave APOPKA FL	SPILLS

Incident No:	54373
Incident Type:	Inland
Incident Date:	12/30/2015 11:50:00 PM
County:	Orange

Spill Details

Pollutant Name:	Anhydrous ammonia	**Closure Date:**	
Pollutant Actual Vol:	20.00	**Description:**	Air Release
Pol Unit Measure:	pounds	**Criminal Indicator:**	
Incident Status:	Closed	**Hurricane Indicatr:**	
Incident Party Nm:		**On Scene Response:**	
Incident Party Type:		**Pollutant Category:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	14 of27	S	0.01 / 59.47	120.26 / -2	COCA-COLA FOODS SPECIAL PRODUCTS DEPT 2501 ORANGE AVE PLYMOUTH FL 32768	FINDS/FRS

Registry ID:	110067040874
FIPS Code:	12095
HUC Code:	03080102
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-DEC-15
Update Date:	31-DEC-15
Interest Types:	TRI REPORTER
SIC Codes:	2087
SIC Code Descriptions:	FLAVORING EXTRACTS AND FLAVORING SYRUPS, NOT ELSEWHERE CLASSIFIED
NAICS Codes:	311920
NAICS Code Descriptions:	COFFEE AND TEA MANUFACTURING.
Conveyor:	FRS-TRIS
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022061
EPA Region Code:	04
County Name:	ORANGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

US/Mexico Border Ind:
Latitude: 28.687653
Longitude: -81.550517
Reference Point: FACILITY/MONITORING SITE BOUNDARY POINT
Coord Collection Method: GPS CODE (PSEUDO RANGE) STANDARD POSITION (SA OFF)
Accuracy Value: 4
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110067040874
Data Source: Facility Registry Service - Single File
Program Acronyms:

5	15 of27	S	0.01 / 59.47	120.26 / -2	2501 WEST ORANGE AVE APOPKA FL 32703	ERNS

NRC Report No: 1137012
Type of Incident: FIXED
Incident Cause: UNKNOWN
Incident Date: 31-Dec-2015 00:25:00
Incident Location:
Incident Dtg: OCCURRED
Distance from City:
Distance Units:
Direction from City:
Location County: ORANGE
Potential Flag: No
Year: Year 2015 Reports
Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:
Description of Incident: CALLER STATED THERE WAS RELEASE OF ANHYDROUS AMMONIA TO THE AIR INSIDE OF THE FACILITY DUE TO UNKNOWN CAUSES.

Material Spill Information

Chris Code: AMA
CAS No: 007664-41-7
UN No:
Name of Material: AMMONIA, ANHYDROUS
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
If Reached Water: NO
Amount in Water:
Unit Reach Water:

Calls Information

Date Time Received: 31-Dec-2015 00:38:11
Date Time Complete: 31-Dec-2015 00:45:57
Call Type: INC
Resp Company: FLAVOR MANUF. A DIV OF COCA COLA
Resp Org Type: PRIVATE ENTERPRISE
Responsible City: APOPKA
Responsible State: FL
Responsible Zip: 32703
Source: TELEPHONE

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSP No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: U
Airbag Deployed: U
Transport Contain: U
Location Subdiv:
Platform Rig Name:
Platform Letter:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	N	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	MANUFACTURING FACILITY	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***No of Conductor Tested:***	
Pipeline Abv Ground:	ABOVE	***No of Engineer Tested:***	
Pipeline Covered:	U	***No of Trainman Tested:***	
Exposed Underwater:	N	***No of Yard Foreman Tested:***	
Railroad Hotline:		***No of RCL Operator Tested:***	
Railroad Milepost:		***No of Brakeman Tested:***	
Grade Crossing:	U	***No of Train Dispat Tested:***	
Crossing Device Ty:		***No of Signalman Tested:***	
Ty Vehicle Involved:		***No of Other Emp Tested:***	
Device Operational:	U	***No of Unknown Emp Tested:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	SERC, LOCAL FIRE DEPT
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	CALLER STATED THE SYSTEM AUTOMATICALLY SHUT DOWN THE UNIT.	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evac:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	UNKNOWN	**Sheen Odor Desc:**	
Medium Desc:	AIR	**Duration Unit:**	
Addl Medium Info:	TO THE AIR	**Additional Info:**	CALLER DID NOT HAVE THE TIME OF THIS INCIDENT (15 MINUTES) BEFORE THIS CALL TO REPORT INCIDENT.

5	***16 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***COCA COLA SPECIAL PRODUCTS AST 306 2501 WEST ORANGE AVE APOPKA FL***	***WCRPS***

Site ID:	303887	**Coord Accuracy ID:**	3
Datum ID:	NAD83	**Zip5:**	32703
Method ID:	DPHO	**Zip4:**	
Feature:		**County ID:**	48
Object of Interest:	CAP_RAP SITE	**County:**	ORANGE
Proximity to Object:	EXACT	**Lat DD:**	28
Interpolation Scale:		**Lat MM:**	41
Map Source:		**Long DD:**	81
Map Source Scale:		**Long MM:**	32
Collect Program ID:	CL		
Collect Username:	HEAVISIDE_C		
Collect Affiliation:	Florida Department of Environmental Protection		
Verifying Program ID:			
Verify Method ID:			
Verifier Username:			
Verifier Affiliation:			
Project Name:	COCA COLA SPECIAL PRODUCTS AST 306		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_303887/gis-facility!search		

Project Details

Project ID:	324913	**District:**	CD
OGC No:	19	**GIS ALBX:**	
Status:	OPEN	**GIS ALBY:**	
Priority Score:	19	**Source:**	Open Responsible Party Sites
Offsite COC:			
Contaminants:			

5	***17 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH 2501 WEST ORANGE AVENUE PLYMOUTH FL***	***WCRPS***

Site ID:	286014	**Coord Accuracy ID:**	
Datum ID:	NAD83	**Zip5:**	
Method ID:	DPHO	**Zip4:**	
Feature:	At loc of benzene in gw	**County ID:**	48
Object of Interest:	CAP_RAP SITE	**County:**	ORANGE
Proximity to Object:	EXACT	**Lat DD:**	28
Interpolation Scale:		**Lat MM:**	41
Map Source:		**Long DD:**	81
Map Source Scale:		**Long MM:**	32
Collect Program ID:	CL		
Collect Username:	HEAVISIDE_C		
Collect Affiliation:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Verifying Program ID:
Verify Method ID:
Verifier Username:
Verifier Affiliation:
Project Name: COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_286014/gis-facility!search

Project Details

Project ID: 310871
OGC No:
Status: CLOSED
Priority Score:
Offsite COC: N
Contaminants:

District: CD
GIS ALBX: 638977.76
GIS ALBY: 522584.16
Source: Closed Responsible Party Sites

5	*18 of27*	*S*	*0.01 / 59.47*	*120.26 / -2*	***The Coca-Cola Company*** ***2501 WEST ORANGE AVENUE*** ***APOPKA FL 32703***	*TIER 2*

2018 Data

Facility ID: 6102313
Filing Year: 2017(Tier2)

CAS No: 5989275
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: D-LIMONENE
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:

Explosive: False
Filing Type: 302
312
Max Daily Qty: 269764
Avg Daily Qty: 226705
EHS:
Below Thresholds:
Trade Secret:

2018 Data

Facility ID: 6102313
Filing Year: 2017(Tier2)

CAS No: 67630
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: ISOPROPANOL
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991

Explosive: False
Filing Type: 302
312
Max Daily Qty: 70936
Avg Daily Qty: 57970
EHS:
Below Thresholds:
Trade Secret:

Contact Mobile Phone:

2018 Data

Facility ID:	6102313	***Explosive:***	False
Filing Year:	2017(Tier2)	***Filing Type:***	302 312
CAS No:	7727379	***Max Daily Qty:***	74360
Solid:	False	***Avg Daily Qty:***	17770
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Nitrogen
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	ebennet@coca-cola.com
Contact Work Phone:	407-358-6744
Contact 24 Hour Phone:	404-273-3991
Contact Mobile Phone:	

2018 Data

Facility ID:	6102313	***Explosive:***	False
Filing Year:	2017(Tier2)	***Filing Type:***	302 312
CAS No:	65996987	***Max Daily Qty:***	499999
Solid:	False	***Avg Daily Qty:***	220000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	TERPENES
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	ebennet@coca-cola.com
Contact Work Phone:	407-358-6744
Contact 24 Hour Phone:	404-273-3991
Contact Mobile Phone:	

2018 Data

Facility ID:	6102313	***Explosive:***	False
Filing Year:	2017(Tier2)	***Filing Type:***	302 312
CAS No:	1310583	***Max Daily Qty:***	4077
Solid:	False	***Avg Daily Qty:***	2892
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator

Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:

2018 Data

Facility ID: 6102313
Filing Year: 2017(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Ammonia (anhydrous)
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 6170
Avg Daily Qty: 6170
EHS: True
Below Thresholds:
Trade Secret:

2018 Data

Facility ID: 6102313
Filing Year: 2017(Tier2)
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: True
Filing Type: 302
312
Max Daily Qty: 29700
Avg Daily Qty: 29700
EHS: True
Below Thresholds:
Trade Secret:

2018 Data

Facility ID: 6102313
Filing Year: 2017(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: HEPTANE
Explosive: False
Filing Type: 302
312
Max Daily Qty: 173618
Avg Daily Qty: 95154
EHS:
Below Thresholds:
Trade Secret:

Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:

2019 Data

Facility ID: 6405979
Filing Year: 2018(Tier2)
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2019-02-28(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: True
Filing Type: 302
312
Max Daily Qty: 37545
Avg Daily Qty: 37545
EHS: True
Below Thresholds:
Trade Secret:

2019 Data

Facility ID: 6405979
Filing Year: 2018(Tier2)
CAS No: 7727379
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2019-02-28(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Nitrogen
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 74360
Avg Daily Qty: 17543
EHS:
Below Thresholds:
Trade Secret:

2019 Data

Facility ID: 6405979
Filing Year: 2018(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2019-02-28(Tier2)
Explosive: False
Filing Type: 302
312
Max Daily Qty: 89343
Avg Daily Qty: 52527
EHS:
Below Thresholds:
Trade Secret:

NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	HEPTANE
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	ebennet@coca-cola.com
Contact Work Phone:	407-358-6744
Contact 24 Hour Phone:	404-273-3991
Contact Mobile Phone:	

2019 Data

Facility ID:	6405979	**Explosive:**	False
Filing Year:	2018(Tier2)	**Filing Type:**	302 312
CAS No:	67630	**Max Daily Qty:**	61109
Solid:	False	**Avg Daily Qty:**	36379
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2019-02-28(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	ISOPROPANOL
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	ebennet@coca-cola.com
Contact Work Phone:	407-358-6744
Contact 24 Hour Phone:	404-273-3991
Contact Mobile Phone:	

2019 Data

Facility ID:	6405979	**Explosive:**	False
Filing Year:	2018(Tier2)	**Filing Type:**	302 312
CAS No:	7664417	**Max Daily Qty:**	5910
Solid:	False	**Avg Daily Qty:**	5910
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2019-02-28(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Ammonia (anhydrous)
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	ebennet@coca-cola.com
Contact Work Phone:	407-358-6744
Contact 24 Hour Phone:	404-273-3991
Contact Mobile Phone:	

2019 Data

Facility ID:	6405979	**Explosive:**	False
Filing Year:	2018(Tier2)	**Filing Type:**	302 312
CAS No:	5989275	**Max Daily Qty:**	291056
Solid:	False	**Avg Daily Qty:**	203605
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	

Pure: True
Mixture: False
First Submit Date: 2019-02-28(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: D-LIMONENE
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Trade Secret:

2019 Data

Facility ID: 6405979
Filing Year: 2018(Tier2)
CAS No: 1310583
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2019-02-28(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 5022
Avg Daily Qty: 3465
EHS:
Below Thresholds: True
Trade Secret:

2019 Data

Facility ID: 6405979
Filing Year: 2018(Tier2)
CAS No: 65996987
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2019-02-28(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: TERPENES
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: ebennet@coca-cola.com
Contact Work Phone: 407-358-6744
Contact 24 Hour Phone: 404-273-3991
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 499999
Avg Daily Qty: 220000
EHS:
Below Thresholds:
Trade Secret:

2020 Data (Filed)

Facility ID: 6673300
Filing Year: 2019(Tier2)
CAS No: 7727379
Explosive: False
Filing Type: 302
312
Max Daily Qty: 74,360

Solid:	False	***Avg Daily Qty:***	18,903
Liquid:	True	***EHS:***	
Gas:	True	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		
First Submit Date:	2020-02-20(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Nitrogen		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2020 Data (Filed)

Facility ID:	6673300	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	1310583	***Max Daily Qty:***	4,212
Solid:	False	***Avg Daily Qty:***	3,035
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	False	***Trade Secret:***	
Mixture:	True		
First Submit Date:	2020-02-20(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Potassium Hydroxide [Caustic Ash]		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2020 Data (Filed)

Facility ID:	6673300	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	5989275	***Max Daily Qty:***	322,591
Solid:	False	***Avg Daily Qty:***	221,316
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		
First Submit Date:	2020-02-20(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	D-limonene		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2020 Data (Filed)

Facility ID:	6673300	***Explosive:***	True

Filing Year:	2019(Tier2)	**Filing Type:**	302 312
CAS No:		**Max Daily Qty:**	37,545
Solid:	True	**Avg Daily Qty:**	37,545
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date:	2020-02-20(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Lead Acid Batteries
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6673300	**Explosive:**	False
Filing Year:	2019(Tier2)	**Filing Type:**	302 312
CAS No:	65996987	**Max Daily Qty:**	499,999
Solid:	False	**Avg Daily Qty:**	220,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2020-02-20(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	TERPENES
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6673300	**Explosive:**	False
Filing Year:	2019(Tier2)	**Filing Type:**	302 312
CAS No:	7664417	**Max Daily Qty:**	4,028
Solid:	False	**Avg Daily Qty:**	4,028
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2020-02-20(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	AMMONIA (ANHYDROUS)
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6673300	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	142825	***Max Daily Qty:***	76,912
Solid:	False	***Avg Daily Qty:***	55,267
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-20(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Heptanes
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6673300	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	67630	***Max Daily Qty:***	84,461
Solid:	False	***Avg Daily Qty:***	43,110
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-20(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	ISOPROPANOL
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2021 Data

Facility ID:	6837801	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	302 312
CAS No:	142825	***Max Daily Qty:***	61,938
Solid:	False	***Avg Daily Qty:***	30,298
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Heptanes
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734

Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: AMMONIA (ANHYDROUS)
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 5,880
Avg Daily Qty: 5,880
EHS: True
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 5989275
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: D-limonene
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 400,887
Avg Daily Qty: 227,275
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 7727379
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Nitrogen
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Explosive: False
Filing Type: 302
312
Max Daily Qty: 74,360
Avg Daily Qty: 18,903
EHS:
Below Thresholds:
Trade Secret:

Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 1310583
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 5,157
Avg Daily Qty: 3,839
EHS:
Below Thresholds: True
Trade Secret:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 67630
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: ISOPROPANOL
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 48,080
Avg Daily Qty: 32,710
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Explosive: True
Filing Type: 302
312
Max Daily Qty: 37,545
Avg Daily Qty: 37,545
EHS: True
Below Thresholds:
Trade Secret:

Chemical Name: Lead Acid Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2021 Data

Facility ID: 6837801
Filing Year: 2020(Tier2)
CAS No: 65996987
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2021-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: TERPENES
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 499,999
Avg Daily Qty: 220,000
EHS:
Below Thresholds:
Trade Secret:

2022 Data

Facility ID: 7121189
Filing Year: 2021(Tier2)
CAS No: 7727379
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
First Submit Date: 2022-02-17(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Nitrogen
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type:
Max Daily Qty: 74,360
Avg Daily Qty: 12,883
EHS:
Below Thresholds:
Trade Secret:

2022 Data

Facility ID: 7121189
Filing Year: 2021(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2022-02-17(Tier2)
NAICS Code: 311942
Explosive: False
Filing Type:
Max Daily Qty: 24,965
Avg Daily Qty: 17,549
EHS:
Below Thresholds:
Trade Secret:

Dun Bradstreet Code: 11-826-7624
Chemical Name: Heptanes
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2022 Data

Facility ID: 7121189
Filing Year: 2021(Tier2)
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
Explosive: True
Filing Type:
Max Daily Qty: 37,545
Avg Daily Qty: 37,545
EHS: True
Below Thresholds:
Trade Secret:
First Submit Date: 2022-02-17(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2022 Data

Facility ID: 7121189
Filing Year: 2021(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
Explosive: False
Filing Type:
Max Daily Qty: 5,505
Avg Daily Qty: 5,505
EHS: True
Below Thresholds:
Trade Secret:
First Submit Date: 2022-02-17(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: AMMONIA (ANHYDROUS)
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2022 Data

Facility ID: 7121189
Filing Year: 2021(Tier2)
CAS No: 67630
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Explosive: False
Filing Type:
Max Daily Qty: 17,331
Avg Daily Qty: 12,501
EHS:
Below Thresholds:
Trade Secret:
First Submit Date: 2022-02-17(Tier2)

NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	ISOPROPANOL
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2022 Data

Facility ID:	7121189	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	1310583	***Max Daily Qty:***	4,887
Solid:	False	***Avg Daily Qty:***	3,602
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2022-02-17(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2022 Data

Facility ID:	7121189	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	5989275	***Max Daily Qty:***	554,578
Solid:	False	***Avg Daily Qty:***	239,229
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2022-02-17(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	D-limonene
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

2022 Data

Facility ID:	7121189	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	65996987	***Max Daily Qty:***	499,999
Solid:	False	***Avg Daily Qty:***	220,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-17(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: TERPENES
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2023 Data

Facility ID: 7299266
Filing Year: 2022(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
Explosive: False
Filing Type: 302
312
Max Daily Qty: 5,504
Avg Daily Qty: 5,504
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:
First Submit Date: 2023-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: AMMONIA (ANHYDROUS)
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2023 Data

Facility ID: 7299266
Filing Year: 2022(Tier2)
CAS No: 5989275
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
Explosive: False
Filing Type: 302
312
Max Daily Qty: 304,917
Avg Daily Qty: 211,455
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:
First Submit Date: 2023-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: D-limonene
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2023 Data

Facility ID: 7299266
Filing Year: 2022(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Explosive: False
Filing Type: 302
312
Max Daily Qty: 22,404
Avg Daily Qty: 14,292
EHS:

Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	
First Submit Date:	2023-02-26(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Heptanes		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2023 Data

Facility ID:	7299266	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 312
CAS No:	67630	***Max Daily Qty:***	21,264
Solid:	False	***Avg Daily Qty:***	14,853
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	
First Submit Date:	2023-02-26(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	ISOPROPANOL		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2023 Data

Facility ID:	7299266	***Explosive:***	True
Filing Year:	2022(Tier2)	***Filing Type:***	302 312
CAS No:		***Max Daily Qty:***	37,545
Solid:	True	***Avg Daily Qty:***	37,545
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
First Submit Date:	2023-02-26(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Lead Acid Batteries		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2023 Data

Facility ID:	7299266	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 312

CAS No:	65996987	**Max Daily Qty:**	499,999
Solid:	False	**Avg Daily Qty:**	220,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: TERPENES
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2023 Data

Facility ID:	7299266	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	1310583	**Max Daily Qty:**	7,128
Solid:	False	**Avg Daily Qty:**	3,148
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2023 Data

Facility ID:	7299266	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	7727379	**Max Daily Qty:**	74,360
Solid:	False	**Avg Daily Qty:**	17,534
Liquid:	True	**EHS:**	
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-26(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Nitrogen
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2024 Data

Facility ID:	7408345	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	1310583	**Max Daily Qty:**	2,789
Solid:	False	**Avg Daily Qty:**	2,789
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Potassium Hydroxide [Caustic Ash]		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7408345	**Explosive:**	True
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:		**Max Daily Qty:**	37,545
Solid:	True	**Avg Daily Qty:**	37,545
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	3,875
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Lead Acid Batteries		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7408345	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	67630	**Max Daily Qty:**	68,957
Solid:	False	**Avg Daily Qty:**	44,477
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		

Chemical Name: ISOPROPANOL
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No: 67630
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: ISOPROPANOL
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 84,461
Avg Daily Qty: 43,110
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

2024 Data

Facility ID: 7408345
Filing Year: 2023(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Heptanes
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 100,674
Avg Daily Qty: 89,743
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

2024 Data

Facility ID: 7408345
Filing Year: 2023(Tier2)
Explosive: False
Filing Type: 302
312

CAS No:	7727379	**Max Daily Qty:**	74,360
Solid:	False	**Avg Daily Qty:**	33,725
Liquid:	True	**EHS:**	
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	74,360
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Nitrogen		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7408345	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	7664417	**Max Daily Qty:**	5,504
Solid:	False	**Avg Daily Qty:**	5,504
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	5,504
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	True		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	AMMONIA (ANHYDROUS)		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7410356	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	65996987	**Max Daily Qty:**	499,999
Solid:	False	**Avg Daily Qty:**	220,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	140,000
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	TERPENES		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		

Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2024 Data

Facility ID: 7408345
Filing Year: 2023(Tier2)
CAS No: 5989275
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: D-limonene
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 302,444
Avg Daily Qty: 223,494
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr: 154,000

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No: 142825
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Heptanes
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 76,912
Avg Daily Qty: 55,267
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No: 7727379
Solid: False
Liquid: True
Explosive: False
Filing Type: 302
312
Max Daily Qty: 74,360
Avg Daily Qty: 18,903
EHS:

Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	74,360
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Nitrogen		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7408345	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	65996987	**Max Daily Qty:**	499,999
Solid:	False	**Avg Daily Qty:**	220,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	140,000
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	TERPENES		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		
Contact 24 Hour Phone:	407-676-2971		
Contact Mobile Phone:			

2024 Data

Facility ID:	7410356	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	302 312
CAS No:	5989275	**Max Daily Qty:**	322,591
Solid:	False	**Avg Daily Qty:**	221,316
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-21(Tier2)		
NAICS Code:	311942		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	D-limonene		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Coca-Cola Company		
Contact Type:	Owner / Operator		
Contact Email:	mavalos@coca-cola.com		
Contact Work Phone:	407-358-6734		

Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No: 1310583
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Potassium Hydroxide [Caustic Ash]
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 4,212
Avg Daily Qty: 3,035
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr:

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-21(Tier2)
NAICS Code: 311942
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Coca-Cola Company
Contact Type: Owner / Operator
Contact Email: mavalos@coca-cola.com
Contact Work Phone: 407-358-6734
Contact 24 Hour Phone: 407-676-2971
Contact Mobile Phone:
Explosive: True
Filing Type: 302
312
Max Daily Qty: 37,545
Avg Daily Qty: 37,545
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr: 3,875

2024 Data

Facility ID: 7410356
Filing Year: 2023(Tier2)
CAS No: 7664417
Solid: False
Liquid: True
Gas: True
Pure: True
Mixture: False
Explosive: False
Filing Type: 302
312
Max Daily Qty: 4,028
Avg Daily Qty: 4,028
EHS: True
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr: 4,028

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	True
First Submit Date:	2024-02-21(Tier2)
NAICS Code:	311942
Dun Bradstreet Code:	11-826-7624
Chemical Name:	AMMONIA (ANHYDROUS)
Hazard Not Otherwise Classifi:	False
Contact Name:	Coca-Cola Company
Contact Type:	Owner / Operator
Contact Email:	mavalos@coca-cola.com
Contact Work Phone:	407-358-6734
Contact 24 Hour Phone:	407-676-2971
Contact Mobile Phone:	

5	19 of27	S	0.01 / 59.47	120.26 / -2	**COCA COLA SPECIAL PRODUCTS** **AST 306** **2501 WEST ORANGE AVE** **APOPKA FL 32703**	DWM CONTAM

Facility ID:	29298	**Contact:**	
Site ID:	ERIC_12758	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:	FIESTA	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	The Coca-Cola Company Flavor Manufacturing		
Description:			

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	NAD83
Program Area:	RESPONSPARTY	**Method:**	
Site Manager:	Johanna Leonard	**Lat DD:**	28
Discharge Date:		**Lat MM:**	41
Discharge Eligibil:		**Lat SS:**	17.04
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	Open-ERIC	**Long MM:**	32
Closure Type:		**Long SS:**	58.63
Closure Date:			

5	20 of27	S	0.01 / 59.47	120.26 / -2	**COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH** **2501 WEST ORANGE AVENUE** **PLYMOUTH FL**	DWM CONTAM

Facility ID:	29298	**Contact:**	
Site ID:	ERIC_12702	**Phone:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:	FIESTA	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	The Coca-Cola Company Flavor Manufacturing		
Description:			

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	NAD83
Program Area:	RESPONSPARTY	**Method:**	
Site Manager:	Richard Lott	**Lat DD:**	28
Discharge Date:		**Lat MM:**	41
Discharge Eligibil:		**Lat SS:**	17.04
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	Closed-ERIC	**Long MM:**	32
Closure Type:		**Long SS:**	58.63
Closure Date:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	21 of27	S	0.01 / 59.47	120.26 / -2	2501 W Orange Ave APOPKA FL	SPILLS

Incident No:	63518
Incident Type:	Inland
Incident Date:	7/15/2019 8:14:00 PM
County:	Orange

Spill Details

Pollutant Name:	--	**Closure Date:**	
Pollutant Actual Vol:	--	**Description:**	--
Pol Unit Measure:	--	**Criminal Indicator:**	No
Incident Status:	Saved	**Hurricane Indicatr:**	No
Incident Party Nm:	--	**On Scene Response:**	No
Incident Party Type:	--	**Pollutant Category:**	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	22 of27	S	0.01 / 59.47	120.26 / -2	COCA-COLA FOODS SPECIAL PRODUCTS DEPT 2501 ORANGE AVE PLYMOUTH FL 32768	TRIS

TRI FD:	32768CCCLF2651O
FRS ID:	110067040874
BIA:	
Tribe:	
Facility Name:	COCA-COLA FOODS SPECIAL PRODUCTS DEPT
Street Address:	2501 ORANGE AVE

City:	PLYMOUTH
County:	ORANGE
State:	FL
Zip:	32768
Latitude:	28.687653
Longitude:	-81.550517

1987 Details

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664382	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2037	***RCRA C Landfill:***	0.000000
Primary NAICS:	311411	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001310732	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Sodium hydroxide (solution)		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

1310-73-2

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0000067641	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2037	***RCRA C Landfill:***	0.000000
Primary NAICS:	311411	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	750.000000	***RCRA Surface IM:***	0.000000
Stack Air:	9350.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Acetone		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	10100.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	10100.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

67-64-1

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2037	***RCRA C Landfill:***	0.000000
Primary NAICS:	311411	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		

Off Site Recycled Total: 0.000000
Total Releases: 0.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2037	***RCRA C Landfill:***	0.000000
Primary NAICS:	311411	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	14161.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Ammonia
Industry Sector Code: 311
Industry Sector: Food
Parent Co Name: COCA-COLA CO INC
On Site Release Total: 14161.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 14161.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1988 Details

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	20450.000000	***RCRA Surface IM:***	0.000000

Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	20450.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	20450.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0000107211	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2080	**RCRA C Landfill:**	0.000000
Primary NAICS:	311920	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Ethylene glycol		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	11403.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	11403.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

107-21-1

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0001310732	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000

Primary SIC:	2080	**RCRA C Landfill:**	0.000000
Primary NAICS:	311920	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Sodium hydroxide (solution)		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

1310-73-2

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0007782505	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2080	**RCRA C Landfill:**	0.000000
Primary NAICS:	311920	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0000067641	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	9556.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Acetone		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	9556.000000		
Off Site Release Total:	28667.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	38223.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

67-64-1

PFAS:

NO

PBT:

NO

1989 Details

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0000067641	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	6748.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Acetone		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	6748.000000		
Off Site Release Total:	27522.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	34270.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

67-64-1

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	25608.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	25608.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	25608.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2080	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

1990 Details

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	5.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	5.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	5.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	14000.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		

On Site Release Total: 14000.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 14000.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1991 Details

TRI FD: 32768CCCLF2651O
Federal Facility: NO
Cas No Compound ID: 0007664417
Classification: TRI
Primary SIC: 2087
Primary NAICS: 311920
Metal: NO
Carcinogen: NO
Fugitive Air: 3200.000000
Stack Air: 0.000000
Water: 0.000000
Chemical: Ammonia
Industry Sector Code: 311
Industry Sector: Food
Parent Co Name: COCA-COLA CO INC
On Site Release Total: 3200.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 3200.000000
One Time Release:

0.000000

Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1992 Details

TRI FD: 32768CCCLF2651O
Federal Facility: NO

Underground: 0.000000
Underground CL I: 0.000000

Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2087	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	4100.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	4100.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	4100.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1993 Details

TRI FD:	32768CCCLF2651O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2087	***RCRA C Landfill:***	0.000000
Primary NAICS:	311920	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	6720.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	6720.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	6720.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7664-41-7						
PFAS:						
NO						
PBT:						
NO						
5	***23 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***COCA COLA SPECIAL PRODUCTS AST 306 2501 WEST ORANGE AVE APOPKA FL 32703***	***DELISTED WCP***

Delisted Environmental Protection Cleanup Sites

Geometry:	
DEP Cleanup Site:	64751167
Source Database:	ERIC
Source Database ID:	ERIC_12758
CPAC Prog Area ID:	CU
CLCC Cleanup Categ:	OTHCU
RSC2 Remed Status:	OPEN
Data Load Date:	2020/10/26 07:00:20+00
County:	
Cc2 County:	48
Oc3 Office:	CD
OIC Object:	CAP_R
PC2 Proximity ID:	EXACT
DC4 Datum ID:	NAD83
Verif Status:	
Collect Username:	HEAVISIDE_C
Collect Date:	1970/01/01 00:00:00+00
Collect Affiliation:	
Verifer Username:	
Verifer Affiliation:	
Verification Date:	1970/01/01 00:00:00+00
Verif Coord Method:	
Object ID:	2784
Map Source:	
Map Sour 1:	0
Interpolat:	
Calc Coord Accuracy:	3
Coordinate Method:	
Source Latitude:	28.688072041
Source Longitude:	-81.549622608
X Coordina:	
Y Coordina:	
Latitude D:	28
Latitude M:	41
Latitude S:	
Longitude D:	81
Longitude M:	32
Longitude S:	
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12758/facility!search
Comments:	Alternate ID:
Original Source:	DEPC
Record Date:	28-OCT-2020

5	***24 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***COCA COLA SPECIAL PRODUCTS AST 306 2501 WEST ORANGE AVE APOPKA FL 32703-***	***DELISTED WCP***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Delisted Environmental Protection Cleanup Sites

Geometry:	
DEP Cleanup Site:	
Source Database:	ERIC
Source Database ID:	ERIC_12758
CPAC Prog Area ID:	
CLCC Cleanup Categ:	
RSC2 Remed Status:	OPEN
Data Load Date:	
County:	ORANGE
Cc2 County:	48
Oc3 Office:	CD
OIC Object:	CAP_R
PC2 Proximity ID:	EXACT
DC4 Datum ID:	NAD83
Verif Status:	
Collect Username:	HEAVISIDE_C
Collect Date:	
Collect Affiliation:	
Verifer Username:	
Verifer Affiliation:	
Verification Date:	
Verif Coord Method:	
Object ID:	
Map Source:	
Map Sour 1:	
Interpolat:	
Calc Coord Accuracy:	3
Coordinate Method:	
Source Latitude:	28.68806662
Source Longitude:	-81.54961947
X Coordina:	
Y Coordina:	
Latitude D:	28
Latitude M:	41
Latitude S:	
Longitude D:	81
Longitude M:	32
Longitude S:	
Documents:	
Comments:	
Original Source:	DEPC
Record Date:	16-JAN-2025

5	***25 of27***	***S***	***0.01 / 59.47***	***120.26 / -2***	***The Coca-Cola Company Flavor Manufacturing 2501 WEST ORANGE AVE APOPKA FL 32703***	***ERIC***

Eric ID:	ERIC_12758	***Offste Contami Key:***	CONTAMUNKNOWN
Site Status:	CLOSED	***Se Anno Cad Data:***	
Source Facility ID:	29298	***State:***	FL
District:	CD	***County Name:***	Orange
WMD:	SFWMD	***County ID:***	48
ICR Indicator:	NO	***Datum ID:***	NAD83
Discharge Date Dt:		***Geometry:***	
Method ID:		***X:***	-81.54961944445677
Object of Interest:	CAP_R	***Y:***	28.68806666677618
Proximit to Object:	EXACT	***Lat DD:***	28
Collector Username:	HEAVISIDE_C	***Lat MM:***	41
Collect Date Dt:		***Lat SS:***	17.04
Map Source:		***Long DD:***	81
Map Source Scale:		***Long MM:***	32
Intrpolation Scale:		***Long SS:***	58.63
Coord Accuracy ID:	3	***Gis Albx:***	638977.759401

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Phase Dsc: Phase 3 - Cleanup Design
Gis Alby: 522584.158488
Site Name: COCA COLA SPECIAL PRODUCTS AST 306
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12758/gis-facility!search

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETE
Site Manager:

5	26 of27	S	0.01 / 59.47	120.26 / -2	The Coca-Cola Company Flavor Manufacturing 2501 WEST ORANGE AVENUE PLYMOUTH FL	ERIC

Eric ID: ERIC_12702
Site Status: CLOSED
Source Facility ID: 29298
District: CD
WMD: SFWMD
ICR Indicator: NO
Discharge Date Dt:
Method ID:
Object of Interest: CAP_R
Proximit to Object: EXACT
Collector Username: HEAVISIDE_C
Collect Date Dt:
Map Source:
Map Source Scale:
Intrpolation Scale:
Coord Accuracy ID:
Offste Contami Key: NOCONTAM
Se Anno Cad Data:
State: FL
County Name: Orange
County ID: 48
Datum ID: NAD83
Geometry:
X: -81.54961943800062
Y: 28.68806668017309
Lat DD: 28
Lat MM: 41
Lat SS: 17.04
Long DD: 81
Long MM: 32
Long SS: 58.63
Gis Albx: 638977.76
Gis Alby: 522584.16
Site Phase Dsc: Phase 5 - Cleanup Complete
Site Name: COCA COLA COMPANY SPECIAL PRODUCTS DEPARTMENT - PLYMOUTH
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12702/gis-facility!search

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETEWITHCOND
Site Manager: Richard Lott

5	27 of27	S	0.01 / 59.47	120.26 / -2	THE COCA COLA COMPANY 2501 ORANGE AVE APOPKA FL 327033346	AFS

Afs ID: 1209500006
Plant ID: 1000714
Epa Region: 04
Plant County: Orange
State No: 12
Primary Sic Code: 2087
Secondary Sic Code:
Naics Code: 311920
Fed Reportable: Yes
Current Hpv:
Loc Contrl Region:
Afs Gov Fac Code: 0
Operating Status: O
Epa Class Code: SM
Epa Complian Stat: 4
State Comp Status: 4
Afs Gov Facility Des: PRIVATELY OWNED/OPERATED
Operating Status Def: Operating
Epa Classification Des: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status: In Compliance - Certification
State Compliance Status: In Compliance - Certification

Actions

Plant ID: 1000714
National Actn Type: FS

Anu1: 21
Date Achieved: 20110927
Penalty Amount: 0
Record Updated Dt: 20111003
Creation Date: 20111003
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 17
Date Achieved: 20081022
Penalty Amount: 0
Record Updated Dt: 20081120
Creation Date: 20081120
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 13
Date Achieved: 20061017
Penalty Amount: 0
Record Updated Dt: 20070108
Creation Date: 20070108
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 19
Date Achieved: 20091208
Penalty Amount: 0
Record Updated Dt: 20091228
Creation Date: 20091228
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 6
Date Achieved: 20030929
Penalty Amount: 0
Record Updated Dt: 20031022
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 14
Date Achieved: 20070918
Penalty Amount: 0
Record Updated Dt: 20070921
Creation Date: 20070921
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 25
Date Achieved: 20131216
Penalty Amount: 0
Record Updated Dt: 20140113
Creation Date: 20140113
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 9
Date Achieved: 20041027
Penalty Amount: 0
Record Updated Dt: 20041123
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:

National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

All Violating Poll Def:
All Violation Type Def:

Actions

Plant ID: 1000714
Anu1: 18
Date Achieved: 20090914
Penalty Amount: 0
Record Updated Dt: 20091028
Creation Date: 20091028
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 10
Date Achieved: 20050927
Penalty Amount: 0
Record Updated Dt: 20051010
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 8
Date Achieved: 20040909
Penalty Amount: 0
Record Updated Dt: 20040923
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 23
Date Achieved: 20130131
Penalty Amount: 0
Record Updated Dt: 20130221
Creation Date: 20130221
Key Action No:
Regional Data Element:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

Actions

Plant ID: 1000714
Anu1: 1
Date Achieved: 19990301
Penalty Amount: 0
Record Updated Dt: 20010329
Creation Date:
Key Action No:
Regional Data Element:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

Actions

Plant ID: 1000714
Anu1: 24
Date Achieved: 20130806
Penalty Amount: 0
Record Updated Dt: 20130827
Creation Date: 20130827
Key Action No:
Regional Data Element:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

Actions

Plant ID: 1000714
Anu1: 20
Date Achieved: 20100927
Penalty Amount: 0
Record Updated Dt: 20101004
Creation Date: 20101004
Key Action No:
Regional Data Element:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

Actions

Plant ID: 1000714
Anu1: 2
Date Achieved: 20000615
Penalty Amount: 0
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:

Record Updated Dt: 20010423
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 12
Date Achieved: 20060925
Penalty Amount: 0
Record Updated Dt: 20061012
Creation Date: 20061012
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 7
Date Achieved: 20040714
Penalty Amount: 0
Record Updated Dt: 20040831
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 4
Date Achieved: 20020821
Penalty Amount: 0
Record Updated Dt: 20020927
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:
National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 11
Date Achieved: 20051025
Penalty Amount: 0
Record Updated Dt: 20051114
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 16
Date Achieved: 20080926
Penalty Amount: 0
Record Updated Dt: 20081015
Creation Date: 20081015
Key Action No:
Regional Data Element:
National Action Desc: STATE CONDUCTED FCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: FS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 3
Date Achieved: 20010330
Penalty Amount: 0
Record Updated Dt: 20010607
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID: 1000714
Anu1: 5
Date Achieved: 20030922
Penalty Amount: 0
Record Updated Dt: 20031022
Creation Date:
Key Action No:
Regional Data Element:
National Action Desc: STATE PCE/ON-SITE
All Air Program Def: 0-SIP Source
Result Def:
Pollutant Def:
All Violating Poll Def:
All Violation Type Def:

National Actn Type: PS
All Air Prog Codes: 0
Result Code:
Pollutant Code:
Violating Poll Cds:
Violation Type Cds:

Actions

Plant ID:	1000714	***National Actn Type:***	PS
Anu1:	15	***All Air Prog Codes:***	0
Date Achieved:	20071026	***Result Code:***	
Penalty Amount:	0	***Pollutant Code:***	
Record Updated Dt:	20071205	***Violating Poll Cds:***	
Creation Date:	20071205	***Violation Type Cds:***	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000714	***National Actn Type:***	PS
Anu1:	22	***All Air Prog Codes:***	0
Date Achieved:	20120801	***Result Code:***	
Penalty Amount:	0	***Pollutant Code:***	
Record Updated Dt:	20120914	***Violating Poll Cds:***	
Creation Date:	20120914	***Violation Type Cds:***	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103, 1104, 1201, 1202, 1203, 1204, 1301
Historical Compliance Status:	3
Historical Compliance Stat Ref:	In Compliance - Inspection

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	1302, 1303, 1304, 1401, 1402, 1403
Historical Compliance Status:	4
Historical Compliance Stat Ref:	In Compliance - Certification

Air Program

Plant ID:	1000714	***Poll Classificatn:***	B
Air Program Code:	0	***Poll Compli Status:***	9
Air Program Status:	O	***Epa Class Code:***	SM
Pollutant Code:	PM10	***Epa Compli Status:***	4
Chemical Abstract Service Nmbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential emissions are below all applicable Major Source enforceable regulations or limitations.		

Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref: Particulate Matter < 10 Um
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: In Compliance - Shut Down

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: VOC
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: SM
Poll Compli Status: 4
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Pollutant Complian Status Ref: In Compliance - Certification

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: NO2
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: B
Poll Compli Status: 9
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: In Compliance - Shut Down

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: THAP
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: SM
Poll Compli Status: 4
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Pollutant Complian Status Ref: In Compliance - Certification

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: CO
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: B
Poll Compli Status: 9
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.

Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: In Compliance - Shut Down

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: PT
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: B
Poll Compli Status: 9
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: In Compliance - Shut Down

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: FACIL
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: SM
Poll Compli Status: 4
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Pollutant Complian Status Ref: In Compliance - Certification

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: SO2
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: B
Poll Compli Status: 9
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.
Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Potential uncontrolled emissions <100 tons/year
Pollutant Complian Status Ref: In Compliance - Shut Down

Air Program

Plant ID: 1000714
Air Program Code: 0
Air Program Status: O
Pollutant Code: PB
Chemical Abstract Service Nmbr:
Air Program Code Subparts:
Poll Classificatn: C
Poll Compli Status: 9
Epa Class Code: SM
Epa Compli Status: 4
Air Program Code Ref: SIP Source
Epa Classification Code Ref: Potential emissions are below all applicable Major Source enforceable regulations or limitations.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Epa Compliance Status Ref: In Compliance - Certification
Pollutant Code Ref:
Pollutant Classification Ref: Class is unknown.
Pollutant Complian Status Ref: In Compliance - Shut Down

6	1 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA NORTH AMERICA-APOPKA PLT 2659 ORANGE AVE APOPKA FL 32703	AST

Facility ID: 9200233
Facility Status: OPEN
Facility Type: C
Type Desc: Fuel user/Non-retail
Facility Phone: 4078862977
Dep Co: P
Owner ID: 55691
Owner Phone: 4078841038
Owner: COCA COLA NORTH AMERICA
Owner Address1: 2659 ORANGE AVE
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City: APOPKA
Owner State: FL
Owner Zip 5: 32703
Contact: PAULINE NOWAK
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200233&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200233
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/facility!search

Lat/Long Method:
Lat DD: 28
Lat MM: 41
Lat SS: 27
Long DD: 81
Long MM: 33
Long SS: 17
County Name: ORANGE

Tanks

Tank ID: 2

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 31-JUL-2000
Install:
Tank Det Desc:
Tank Determin:
Tank Vessel Indic: TANK
Capacity: 50000
Place: ABOVEGROUND
Content: N
Contdesc: Fuel Oil - Distribution

Tanks

Tank ID: 8

Tank Details

Tank Status: T - OUT OF SERVICE
Status Date: 16-OCT-2023
Install: 01-JUL-1995
Tank Det Desc:
Tank Determin:
Tank Vessel Indic: TANK
Capacity: 5000
Place: ABOVEGROUND
Content: T
Contdesc: Hazardous Substance

Tanks

Tank ID: 9

Tank Details

Tank Status: T - OUT OF SERVICE
Status Date: 16-OCT-2023
Tank Vessel Indic: TANK
Capacity: 500

Install:	01-MAY-2007	***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	U
Tank Determin:		***Contdesc:***	Mineral Acid

Piping

Piping Description: N-Approved synthetic material

Piping Description: D-External protective coating

Piping Description: A-Abv, no soil contact

Piping Description: P-Internal pipe/internal sump riser

Monitoring

Monitoring Desc: Q-Visual inspection of ASTs

Monitoring Desc: 2-Visual inspect pipe sumps

Monitoring Desc: 6-External piping monitoring

Monitoring Desc: F-Monitor dbl wall tank space

Tank Construction

Constr Desc: Polyethylene

Constr Desc: Impressed current CP

Constr Desc: Ball check valve

Constr Desc: Double wall

Tanks

Tank ID: 4

Tank Details

Tank Status:	D - DELETED-DATA ERROR	***Tank Vessel Indic:***	TANK
Status Date:	01-JAN-1992	***Capacity:***	1000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	R
Tank Determin:		***Contdesc:***	Ammonia Compound

Tanks

Tank ID: 6

Tank Details

Tank Status:	D - DELETED-DATA ERROR	***Tank Vessel Indic:***	TANK
Status Date:	01-JAN-1992	***Capacity:***	900
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	R
Tank Determin:		***Contdesc:***	Ammonia Compound

Tanks

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID: 5

Tank Details

Tank Status:	D - DELETED-DATA ERROR	**Tank Vessel Indic:**	TANK
Status Date:	01-JAN-1992	**Capacity:**	1000
Install:		**Place:**	ABOVEGROUND
Tank Det Desc:		**Content:**	R
Tank Determin:		**Contdesc:**	Ammonia Compound

Tanks

Tank ID: 7

Tank Details

Tank Status:	B - REMOVED FROM SITE	**Tank Vessel Indic:**	TANK
Status Date:	01-JUL-1995	**Capacity:**	6900
Install:		**Place:**	ABOVEGROUND
Tank Det Desc:		**Content:**	Z
Tank Determin:		**Contdesc:**	Other Non Regulated

Tanks

Tank ID: 3

Tank Details

Tank Status:	D - DELETED-DATA ERROR	**Tank Vessel Indic:**	TANK
Status Date:	01-JAN-1992	**Capacity:**	1500
Install:		**Place:**	ABOVEGROUND
Tank Det Desc:		**Content:**	R
Tank Determin:		**Contdesc:**	Ammonia Compound

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	2 of24	W	0.01 / 78.13	121.53 / 0	**COCA COLA NORTH AMERICA-APOPKA PLT** **2659 ORANGE AVE** **APOPKA FL 32703**	LST

Facility ID:	9200233	**Facility Status:**	OPEN
Facility Name:	COCA COLA NORTH AMERICA-APOPKA PLT	**Facility ID (Map):**	9200233
Facility Address:	2659 ORANGE AVE	**Fac Name (Map):**	COCA COLA NORTH AMERICA-APOPKA PLT
Facility Address2:		**Fac Address (Map):**	2659 ORANGE AVE
Facility City:	APOPKA	**City (Map):**	APOPKA
County:	ORANGE	**County (Map):**	ORANGE
Facility State:	FL	**Fac Zip (Map):**	32703
Facility Zip:	32703	**Latitude (Map):**	28.6910050000036
Facility Type:	C - Fuel user/Non-retail	**Longitude (Map):**	-81.5549120000022

Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200233&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200233
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/facility!search
Data Source: STCM Database Reports -Historical Contaminated Facilities List; FDEP-Geospatial Open Data - Petroleum Contamination Monitoring (PCTS) Discharges (Map); STCM Database Queries - Petroleum Cleanup Funding CAP To Date Report; Commonly Requested Reports - All Ineligible Discharges.; STCM Public Reports-Tank Facility - Discharge Information

Discharge Cleanup Summary

Discharge Date:	11/2/1995	**Information Source:**	D - DISCHARGE NOTIFICATION
Cleanup Required:	R - CLEANUP REQUIRED	**Eligib Indicator:**	I - INELIGIBLE

Dschrg Clnup Status: NFA - NFA COMPLETE
Site Manager: GREEN_MN
Dschrg Clnup Stat Dt: 8/31/2006
Site Manager End Dt: 7/28/2006
Cleanup Work Stat: COMPLETED
Tank Office: PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV

Contaminated Media

Contaminated Drinking Wells: 0
Contaminated Mntring Wells: NO
Contaminated Soil: YES
Contaminated Surface Water: NO
Contaminated Ground Water: NO
Pollutant: V - Residual oils, 5&6
Other Description:
Gallons Discharged:

Petroleum Cleanup Program Eligibility

Cleanup Program: O - OTHER
Eligibility Status: NOT ELIGIBLE
Rank: 4215
Cap Amount: $0.00

Task Info

SA Task ID: 78772
SA Cleanup Resp: -
SA Actual Cost:
SA Complete Date:
SA Payment Date:
SR Task ID: 19043
SR Cleanup Resp: RP - RESPONSIBLE PARTY
SR Actual Cost:
SR Complete Date:
SR Payment Date:
SR Oral Date:
SR Written Date: 01-23-1996
SR Soil Removal: Yes
SR Free Prod Rmvl:
SR Soil Ton Remove:
SR Fund Elig Type: -
SA Fund Elig Type: -
RAP Fund Elig Type: -
RA Fund Elig Type: -
SR Alternate Procedure Status:
SR Alt Procedure Status Dt:
SR Alt Procedure Comment:
SRC Action Type: NFA - NO FURTHER ACTION
SRC Submit Date: 7/26/2006
SRC Review Date: 07-28-2006
SRC Complete Status: A - APPROVED
SRC Comp Status Dt: 08-01-2006
SRC Issue Date: 08-31-2006
SRC Comments:

SR Soil Treatment:
SR Other Treatment:
SR Alt Proc Rec:
RAP Task ID:
RAP Clean Resp ID: -
RAP Actual Cost:
RAP Complete Date:
RAP Payment Date:
RAP Last Ord Appr:
RA Task ID: 76436
RA Cleanup Resp: RP - RESPONSIBLE PARTY
RA Yrs to Complete: 0
RA Actual Cost:
Tank Office: PCLP48 - Orange County

Petroleum Cleanup PCT Facility Score

Related Party ID: 55691
RP Contact: PAULINE NOWAK
Facility Cleanup Status: CMPL - COMPLETED
Bad Address Indicator: N
Rank: 4215

Discharge Info (Map)

Discharge:	7883	***Facility Status:***	OPEN
Discharge 1:	02-Nov-1995	***Staff Assi:***	
Discharge 2:	40	***Eligibility:***	INELIGIBLE
Discharge 3:	NFA	***Eligibility 1:***	
Disch Clea:	31-Aug-2006	***Rel Feat:***	EXACT
General Cl:	CLOSURE	***Collection:***	DPHO
Lat Dd:	28	***Collector :***	CARPENTER_K
Lat Mm:	41	***Collecti 1:***	09-Jun-2010
Lat Ss:		***Report Pha:***	COMPLETED
Long Dd:	81	***Report Sub:***	COMPLETED
Long Mm:	33	***Report S 1:***	31-Aug-2006
Long Ss:			
Tank Offic:	ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/facility!search		

AST UST Discharges

Dep Co:	P	***Long MM:***	33
CU Req:	R	***Long SS:***	17
Score:	40	***Stat Desc:***	NFA COMPLETE
Descrip:	CLEANUP REQUIRED	***Fac Name:***	COCA COLA NORTH AMERICA-APOPKA PLT
Discharge Date:	02-Nov-95	***Fac Type:***	C
Score Date:	02-Jul-02	***Type Desc:***	Fuel user/Non-retail
Stat Date:	31-Aug-06	***Fac Addr:***	2659 ORANGE AVE
LL Meth:	AGPS	***Fac City:***	APOPKA
Lat DD:	28	***Fac Zip:***	32703
Lat MM:	41	***County:***	48
Lat SS:	27	***Fac State:***	OPEN
Long DD:	81	***Fac Phone:***	4078862977
Prg Desc:			

Ineligible Discharges

Discharge Date:	11/2/1995
Score:	40
Current Status:	CLOSED
Facility:	COCA COLA NORTH AMERICA-APOPKA PLT
Address:	2659 ORANGE AVE
City:	APOPKA
Zip:	32703
County:	ORANGE
Owner:	COCA COLA NORTH AMERICA
Owner Address:	2659 ORANGE AVE
Ownercity:	APOPKA
Owner State:	FL
Owner Zip:	32703
Owner Phone:	(407)884-1038
Owner Email:	PETHARRIS@COCA-COLA.COM

Historical Contaminated Facilities List

Facility ID:	9200233	***Score:***	40
Facility Status:	OPEN	***Score Effective Dt:***	7/2/2002
Facility Type:	C - Fuel user/Non-retail	***Score When Ranked:***	40
Facility Name:	COCA COLA NORTH AMERICA-APOPKA PLT	***Rank:***	4215
Address1:	2659 ORANGE AVE	***Operator:***	PETER HARRIS
Address2:		***Phone:***	(407)886-2977
City:	APOPKA	***Section:***	
County Name:	ORANGE	***Township:***	
County:	48	***Range :***	
District:	CD	***Pri Related Party ID:***	55691
State :	FL	***Primary Rp Role:***	ACCOUNT OWNER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip5:	32703	**Rp Begin Date:**	1/13/2004
Zip4:	3346	**Rp Name:**	COCA COLA NORTH AMERICA
Name Changed:	7/16/2014	**Rp Address1:**	2659 ORANGE AVE
Addr Changed:	1/13/2004	**Rp Address2:**	ATTN: STORAGE TANK REGIS
Lat Dd:	28	**Rp City:**	APOPKA
Lat Mm:	41	**Rp State:**	FL
Lat Ss:	27.618	**Rp Zip5:**	32703
Long Dd:	81	**Rp Zip4:**	3346
Long Mm:	33	**Contact:**	PAULINE NOWAK
Long Ss:	17.6832	**Rp Phone:**	(407)884-1038
Feature:		**Rp Phone Extension:**	
Method:	AGPS	**Rp Bad Addr Ind:**	No
Datum:	0		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	3 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA FOODS 2659 ORANGE AVE PLYMOUTH FL 32768	LST

Facility ID:	9200827	**Facility Status:**	CLOSED
Facility Name:	COCA COLA FOODS	**Facility ID (Map):**	9200827
Facility Address:	2659 ORANGE AVE	**Fac Name (Map):**	COCA COLA FOODS
Facility Address2:		**Fac Address (Map):**	2659 ORANGE AVE
Facility City:	PLYMOUTH	**City (Map):**	PLYMOUTH
County:	ORANGE	**County (Map):**	ORANGE
Facility State:	FL	**Fac Zip (Map):**	32768
Facility Zip:	32768	**Latitude (Map):**	28.5127407500036
Facility Type:	C - Fuel user/Non-retail	**Longitude (Map):**	-81.3760422222242

Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200827&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200827
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200827/facility!search
Data Source: STCM Database Reports -Historical Contaminated Facilities List; FDEP-Geospatial Open Data - Petroleum Contamination Monitoring (PCTS) Discharges (Map); STCM Database Queries - Petroleum Cleanup Funding CAP To Date Report; STCM Public Reports-Tank Facility - Discharge Information; Commonly Requested Reports - All Eligible Discharges.

Discharge Cleanup Summary

Discharge Date:	4/1/1992	**Information Source:**	D - DISCHARGE NOTIFICATION
Cleanup Required:	R - CLEANUP REQUIRED	**Eligib Indicator:**	E - ELIGIBLE
Dschrg Clnup Status:	NFA - NFA COMPLETE	**Site Manager:**	
Dschrg Clnup Stat Dt:	5/15/1997	**Site Manager End Dt:**	
Cleanup Work Stat:	COMPLETED		
Tank Office:	-		

Petroleum Cleanup Program Eligibility

Cleanup Program: A - ABANDONED TANK RESTORATION PROGRAM
Eligibility Status: PARTIAL
Rank:
Cap Amount: $0.00

Task Info

SA Task ID:	19232	**SR Soil Treatment:**	
SA Cleanup Resp:	RP - RESPONSIBLE PARTY	**SR Other Treatment:**	
SA Actual Cost:		**SR Alt Proc Rec:**	
SA Complete Date:		**RAP Task ID:**	
SA Payment Date:		**RAP Clean Resp ID:**	-
SR Task ID:	79358	**RAP Actual Cost:**	
SR Cleanup Resp:	-	**RAP Complete Date:**	
SR Actual Cost:		**RAP Payment Date:**	
SR Complete Date:	04-01-1992	**RAP Last Ord Appr:**	
SR Payment Date:		**RA Task ID:**	60691
SR Oral Date:		**RA Cleanup Resp:**	-
SR Written Date:		**RA Yrs to Complete:**	0

SR Soil Removal:	Yes	**RA Actual Cost:**	
SR Free Prod Rmvl:		**Tank Office:**	-
SR Soil Ton Remove:	10		
SR Fund Elig Type:	-		
SA Fund Elig Type:	-		
RAP Fund Elig Type:	-		
RA Fund Elig Type:	-		
SR Alternate Procedure Status:			
SR Alt Procedure Status Dt:			
SR Alt Procedure Comment:			
SRC Action Type:	NFA - NO FURTHER ACTION		
SRC Submit Date:	4/29/1993		
SRC Review Date:	03-28-1997		
SRC Complete Status:	A - APPROVED		
SRC Comp Status Dt:	04-29-1997		
SRC Issue Date:	05-15-1997		
SRC Comments:			

Petroleum Cleanup Funding Cap Encumbrance to Date

FCFS:	$38,680.00
LPSPASM:	$0.00
SPASM:	$0.00
NPDES:	$0.00
Utility 1 Time Payments:	$0.00
All Wo Ta Co Pos Encumbered:	$0.00
Wo Ta Co Pos Exclu from Cap:	$0.00
Ttl Amnt Encumbered to Date:	$38,680.00
Ttl Amnt Encumbered Towar:	$38,680.00

Petroleum Cleanup PCT Facility Score

Related Party ID:	25232
RP Contact:	JOE GONZALEZ
Facility Cleanup Status:	CMPL - COMPLETED
Bad Address Indicator:	N
Rank:	

Discharge Info (Map)

Discharge:	8079	**Facility Status:**	CLOSED
Discharge 1:	01-Apr-1992	**Staff Assi:**	
Discharge 2:	77	**Eligibility:**	ELIGIBLE
Discharge 3:	NFA	**Eligibility 1:**	ATRP
Disch Clea:	15-May-1997	**Rel Feat:**	VICIN
General Cl:	CLOSURE	**Collection:**	DPHO
Lat Dd:	28	**Collector :**	WOEBER_A
Lat Mm:	30	**Collecti 1:**	23-Oct-2006
Lat Ss:		**Report Pha:**	COMPLETED
Long Dd:	81	**Report Sub:**	COMPLETED
Long Mm:	22	**Report S 1:**	15-May-1997
Long Ss:			
Tank Offic:			
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200827/facility!search		

AST UST Discharges

Dep Co:	P	**Long MM:**	22
CU Req:	R	**Long SS:**	34.39
Score:	77	**Stat Desc:**	NFA COMPLETE
Descrip:	CLEANUP REQUIRED	**Fac Name:**	COCA COLA FOODS
Discharge Date:	01-Apr-92	**Fac Type:**	C
Score Date:	06-Jan-98	**Type Desc:**	Fuel user/Non-retail
Stat Date:	15-May-97	**Fac Addr:**	2659 ORANGE AVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LL Meth:	ADDM	**Fac City:**	PLYMOUTH
Lat DD:	28	**Fac Zip:**	32768
Lat MM:	30	**County:**	48
Lat SS:	48.33	**Fac State:**	CLOSED
Long DD:	81	**Fac Phone:**	4078841086
Prg Desc:	ABANDONED TANK RESTORATION PROGRAM		

Eligible Discharges

Program:	ATRP
Current Status:	CLOSED
Discharge Date:	4/1/1992
Score:	77
Facility:	COCA COLA FOODS
Address:	2659 ORANGE AVE
City:	PLYMOUTH
Zip:	32768
County:	ORANGE
Owner:	COCA COLA FOODS
Owner Address:	2651 ORANGE AVE
Owner City:	APOPKA
Owner State:	FL
Owner Zip:	32703
Owner Phone:	(404)731-2859
Owner Email:	JOEAGONZALEZ@COCA-COLA.COM

Historical Contaminated Facilities List

Facility ID:	9200827	**Score:**	77
Facility Status:	CLOSED	**Score Effective Dt:**	1/6/1998
Facility Type:	C - Fuel user/Non-retail	**Score When Ranked:**	
Facility Name:	COCA COLA FOODS	**Rank:**	
Address1:	2659 ORANGE AVE	**Operator:**	MATTOX, BOB
Address2:		**Phone:**	(407)884-1086
City:	PLYMOUTH	**Section:**	
County Name:	ORANGE	**Township:**	
County:	48	**Range :**	
District:	CD	**Pri Related Party ID:**	25232
State :	FL	**Primary Rp Role:**	ACCOUNT OWNER
Zip5:	32768	**Rp Begin Date:**	3/19/1992
Zip4:		**Rp Name:**	COCA COLA FOODS
Name Changed:		**Rp Address1:**	2651 ORANGE AVE
Addr Changed:		**Rp Address2:**	
Lat Dd:	28	**Rp City:**	APOPKA
Lat Mm:	30	**Rp State:**	FL
Lat Ss:	45.8667	**Rp Zip5:**	32703
Long Dd:	81	**Rp Zip4:**	3346
Long Mm:	22	**Contact:**	JOE GONZALEZ
Long Ss:	33.752	**Rp Phone:**	(404)731-2859
Feature:		**Rp Phone Extension:**	
Method:	ADDM	**Rp Bad Addr Ind:**	No
Datum:	0		

6	***4 of24***	***W***	***0.01 / 78.13***	***121.53 / 0***	***CCNA BASE PLACE USA 2659 ORANGE AVE APOPKA FL 327033346***	***FINDS/FRS***

Registry ID:	110027966459
FIPS Code:	12095
HUC Code:	03080102
Site Type Name:	FACILITY
Location Description:	
Supplemental Location:	
Create Date:	12-JAN-07
Update Date:	07-OCT-16
Interest Types:	AIR SYNTHETIC MINOR, COMPLIANCE ACTIVITY, ICIS-NPDES NON-MAJOR, SQG, STATE MASTER, STORM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

	WATER CONSTRUCTION, STORM WATER INDUSTRIAL, TRI REPORTER, UNSPECIFIED UNIVERSE, VSQG
SIC Codes:	2033, 2086, 2087, 4213
SIC Code Descriptions:	BOTTLED AND CANNED SOFT DRINKS AND CARBONATED WATERS, CANNED FRUITS, VEGETABLES, PRESERVES, JAMS, AND JELLIES, FLAVORING EXTRACTS AND FLAVORING SYRUPS, NOT ELSEWHERE CLASSIFIED, TRUCKING, EXCEPT LOCAL
NAICS Codes:	311411, 311920, 311930, 312111, 312112, 484121
NAICS Code Descriptions:	BOTTLED WATER MANUFACTURING., COFFEE AND TEA MANUFACTURING., FLAVORING SYRUP AND CONCENTRATE MANUFACTURING., FROZEN FRUIT, JUICE, AND VEGETABLE MANUFACTURING., GENERAL FREIGHT TRUCKING, LONG-DISTANCE, TRUCKLOAD., SOFT DRINK MANUFACTURING.
Conveyor:	EPA_SLT
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022061
EPA Region Code:	04
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	28.689887
Longitude:	-81.553641
Reference Point:	FACILITY CENTROID
Coord Collection Method:	INTERPOLATION-PHOTO
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110027966459
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	5 of24	W	0.01 / 78.13	121.53 / 0	**THE MINUTE MAID COMPANY** **2659 ORANGE AVENUE** **APOPKA FL 32703**	ICIS

EPA Region:	04	**Federal Fac ID:**	
Registry ID:	110027966459	**Tribal Land Code:**	
Pgm Sys ID:	FLR05A823	**County:**	Orange
Pgm Sys Acrnm:	NPDES	**Latitude 83:**	28.690278
Permit Type:	General Permit Covered Facility	**Longitude 83:**	-81.554167

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	6 of24	W	0.01 / 78.13	121.53 / 0	**Coca-Cola - 2659 Orange Avenue** **APOPKA FL**	SPILLS

Incident No:	56240
Incident Type:	Inland
Incident Date:	8/25/2016 11:35:00 AM
County:	Orange

Spill Details

Pollutant Name:	Anhydrous ammonia	**Closure Date:**	
Pollutant Actual Vol:	100	**Description:**	Leak/Overflow
Pol Unit Measure:	pounds	**Criminal Indicator:**	
Incident Status:	Closed	**Hurricane Indicatr:**	
Incident Party Nm:		**On Scene Response:**	
Incident Party Type:		**Pollutant Category:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	7 of24	W	0.01 / 78.13	121.53 / 0	**2659 ORANGE AVENUE** **APOPKA FL 32073**	ERNS

NRC Report No:	1157283	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	

Incident Cause:	OVER PRESSURING	**Latitude Seconds:**	
Incident Date:	25-Aug-2016 11:35:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	OCCURRED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ORANGE	**Location Township:**	
Potential Flag:	No	**Location Range:**	
Year:	Year 2016 Reports		

Description of Incident: CALLER IS REPORTING A PRESSURE RELIEF VALVE ON A REFRIGERATION UNITE LIFTED CAUSING A RELEASE OF MATERIALS.

Material Spill Information

Chris Code:	AMA	**Unit of Measure:**	POUND(S)
CAS No:	007664-41-7	**If Reached Water:**	NO
UN No:		**Amount in Water:**	
Name of Material:	AMMONIA, ANHYDROUS	**Unit Reach Water:**	
Amount of Material:	100		

Calls Information

Date Time Received:	25-Aug-2016 11:41:44	**Responsible City:**	APOPKA
Date Time Complete:	25-Aug-2016 11:50:46	**Responsible State:**	FL
Call Type:	INC	**Responsible Zip:**	32073
Resp Company:	COCA COLA	**Source:**	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	U
NPDES:		**Airbag Deployed:**	U
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	U
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:		**Structure Oper:**	U
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	N	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	FOOD PROCESSING PLANT	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:		**No of Conductor Tested:**	
Pipeline Abv Ground:	ABOVE	**No of Engineer Tested:**	

Pipeline Covered:	U	**No of Trainman Tested:**	
Exposed Underwater:	N	**No of Yard Foreman Tested:**	
Railroad Hotline:		**No of RCL Operator Tested:**	
Railroad Milepost:		**No of Brakeman Tested:**	
Grade Crossing:	U	**No of Train Dispat Tested:**	
Crossing Device Ty:		**No of Signalman Tested:**	
Ty Vehicle Involved:		**No of Other Emp Tested:**	
Device Operational:	U	**No of Unknown Emp Tested:**	

Incident Details Information

Release Secured:	Y	**State Agen Report No:**	
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	AFD
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:	5	**Oth Agency Notified:**	
Desc Remedial Act:	VALVE WAS RESET.	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:	U	**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	N
Who Evacuated:		**Weather Conditions:**	SUNNY
Radius of Evac:		**Air Temperature:**	90
Any Injuries:	N	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	U
Any Fatalities:	N	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	
Waterway Close Time:		**Passengers Transfer:**	NO
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	UNKNOWN	**Sheen Odor Desc:**	
Medium Desc:	AIR	**Duration Unit:**	MINUTE
Addl Medium Info:	ATMOSPHERE	**Additional Info:**	

6	8 of24	W	0.01 / 78.13	121.53 / 0	**COCA COLA FOODS PLYMOUTH PLANT** **2659 ORANGE AVE** **ORLANDO FL 32703**	**WELL SURVEILLANCE**

Facility ID:	9200233	**County:**	ORANGE
Project ID:	SUPER	**Longitude:**	-81.552987
Req No:		**Latitude:**	28.688717

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Loc ID:	196169	**GPS Date:**	5/24/2002 8:10:00	
GPS ID:	196169	**Datum:**	WS1984	
Type:	PETROLEUM	**Software:**		
Insp CHD:	ORANGE	**Streetside:**		
HAE:	40.52	**Agency:**		
Loc Method:	DGPS - Differentially Corrected GPS			
Insp F Name:	KIM			
Insp L Name:	DUFFEK			
Comment:				

6	9 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA NORTH AMERICA-APOPKA 2659 ORANGE AVENUE APOPKA FL 32703-3346	TIER 2

2018 Data

Facility ID:	6092772	**Explosive:**	False
Filing Year:	2017(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:	7664939	**Max Daily Qty:**	9240
Solid:	False	**Avg Daily Qty:**	8470
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2018-02-21(Tier2)		
NAICS Code:	311411		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Sulfuric acid		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Osiris Sprauve		
Contact Type:	Owner / Operator		
Contact Email:	osprauve@coca-cola.com		
Contact Work Phone:	407-884-1083		
Contact 24 Hour Phone:			
Contact Mobile Phone:	407-286-8525		

2018 Data

Facility ID:	6092772	**Explosive:**	False
Filing Year:	2017(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:	6484522	**Max Daily Qty:**	27000
Solid:	False	**Avg Daily Qty:**	19800
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2018-02-21(Tier2)		
NAICS Code:	311411		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Uran (Nitrogen Fertilizer Solution)		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Osiris Sprauve		
Contact Type:	Owner / Operator		
Contact Email:	osprauve@coca-cola.com		
Contact Work Phone:	407-884-1083		
Contact 24 Hour Phone:			
Contact Mobile Phone:	407-286-8525		

2018 Data

Facility ID:	6092772	***Explosive:***	True
Filing Year:	2017(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:		***Max Daily Qty:***	17267
Solid:	True	***Avg Daily Qty:***	17267
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Lead Acid Storage Batteries
Hazard Not Otherwise Classifi:	False
Contact Name:	Osiris Sprauve
Contact Type:	Owner / Operator
Contact Email:	osprauve@coca-cola.com
Contact Work Phone:	407-884-1083
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-286-8525

2018 Data

Facility ID:	6092772	***Explosive:***	False
Filing Year:	2017(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1310583	***Max Daily Qty:***	71680
Solid:	False	***Avg Daily Qty:***	30000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Sodium Hydroxide
Hazard Not Otherwise Classifi:	False
Contact Name:	Osiris Sprauve
Contact Type:	Owner / Operator
Contact Email:	osprauve@coca-cola.com
Contact Work Phone:	407-884-1083
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-286-8525

2018 Data

Facility ID:	6092772	***Explosive:***	False
Filing Year:	2017(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	7664417	***Max Daily Qty:***	18683
Solid:	False	***Avg Daily Qty:***	13000
Liquid:	True	***EHS:***	True
Gas:	True	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2018-02-21(Tier2)
NAICS Code:	311411

Dun Bradstreet Code: 11-826-7624
Chemical Name: Ammonia (anhydrous)
Hazard Not Otherwise Classifi: False
Contact Name: Osiris Sprauve
Contact Type: Owner / Operator
Contact Email: osprauve@coca-cola.com
Contact Work Phone: 407-884-1083
Contact 24 Hour Phone:
Contact Mobile Phone: 407-286-8525

2018 Data

Facility ID: 6092772
Filing Year: 2017(Tier2)
Explosive: False
Filing Type: 302
311
312
RMP
CAS No: 1309428
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Max Daily Qty: 51200
Avg Daily Qty: 30000
EHS:
Below Thresholds:
Trade Secret:
First Submit Date: 2018-02-21(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi: False
Contact Name: Osiris Sprauve
Contact Type: Owner / Operator
Contact Email: osprauve@coca-cola.com
Contact Work Phone: 407-884-1083
Contact 24 Hour Phone:
Contact Mobile Phone: 407-286-8525

2019 Data

Facility ID: 6386740
Filing Year: 2018(Tier2)
Explosive: True
Filing Type: 302
311
312
RMP
CAS No:
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
Max Daily Qty: 23108
Avg Daily Qty: 23108
EHS: True
Below Thresholds:
Trade Secret:
First Submit Date: 2019-02-17(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Storage Batteries
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2019 Data

Facility ID: 6386740
Filing Year: 2018(Tier2)
Explosive: False
Filing Type: 302
311
312

RMP

CAS No: 7664939 ***Max Daily Qty:*** 9240
Solid: False ***Avg Daily Qty:*** 8470
Liquid: True ***EHS:*** True
Gas: False ***Below Thresholds:***
Pure: True ***Trade Secret:***
Mixture: False
First Submit Date: 2019-02-17(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Sulfuric acid
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2019 Data

Facility ID: 6386740 ***Explosive:*** False
Filing Year: 2018(Tier2) ***Filing Type:*** 302
311
312
RMP

CAS No: 1309428 ***Max Daily Qty:*** 51200
Solid: False ***Avg Daily Qty:*** 30000
Liquid: True ***EHS:***
Gas: False ***Below Thresholds:***
Pure: True ***Trade Secret:***
Mixture: False
First Submit Date: 2019-02-17(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2019 Data

Facility ID: 6386740 ***Explosive:*** False
Filing Year: 2018(Tier2) ***Filing Type:*** 302
311
312
RMP

CAS No: 7664417 ***Max Daily Qty:*** 18683
Solid: False ***Avg Daily Qty:*** 13000
Liquid: True ***EHS:*** True
Gas: True ***Below Thresholds:***
Pure: True ***Trade Secret:***
Mixture: False
First Submit Date: 2019-02-17(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Ammonia (anhydrous)
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485

Contact Mobile Phone:

2019 Data

Facility ID:	6386740	***Explosive:***	False
Filing Year:	2018(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	6484522	***Max Daily Qty:***	27000
Solid:	False	***Avg Daily Qty:***	19800
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2019-02-17(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Uran (Nitrogen Fertilizer Solution)
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	jbohmann@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-318-6485
Contact Mobile Phone:	

2019 Data

Facility ID:	6386740	***Explosive:***	False
Filing Year:	2018(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1310583	***Max Daily Qty:***	71680
Solid:	False	***Avg Daily Qty:***	30000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2019-02-17(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Sodium Hydroxide
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	jbohmann@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-318-6485
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6672426	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	7664417	***Max Daily Qty:***	18,683
Solid:	False	***Avg Daily Qty:***	13,000
Liquid:	True	***EHS:***	True
Gas:	True	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-23(Tier2)

NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Ammonia (anhydrous)
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2020 Data (Filed)

Facility ID:	6672426	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1309428	***Max Daily Qty:***	51,200
Solid:	False	***Avg Daily Qty:***	30,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-23(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2020 Data (Filed)

Facility ID:	6672426	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1310732	***Max Daily Qty:***	71,680
Solid:	False	***Avg Daily Qty:***	30,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-23(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Caustic Soda
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2020 Data (Filed)

Facility ID:	6672426	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 311

312
RMP

CAS No:	7664939	**Max Daily Qty:**	9,240
Solid:	False	**Avg Daily Qty:**	8,470
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date: 2020-02-23(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Sulfuric acid
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098
Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2020 Data (Filed)

Facility ID:	6672426	**Explosive:**	False
Filing Year:	2019(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:	6484522	**Max Daily Qty:**	27,000
Solid:	False	**Avg Daily Qty:**	19,800
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2020-02-23(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Uran (Nitrogen Fertilizer Solution)
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098
Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2020 Data (Filed)

Facility ID:	6672426	**Explosive:**	True
Filing Year:	2019(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:		**Max Daily Qty:**	23,108
Solid:	True	**Avg Daily Qty:**	23,108
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2020-02-23(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Storage Batteries
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098

Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2021 Data

Facility ID: 6811713
Filing Year: 2020(Tier2)
Explosive: False
Filing Type: 302 311 312 RMP
CAS No: 1309428
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Max Daily Qty: 51,200
Avg Daily Qty: 30,000
EHS:
Below Thresholds:
Trade Secret:
First Submit Date: 2021-02-08(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098
Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2021 Data

Facility ID: 6811713
Filing Year: 2020(Tier2)
Explosive: False
Filing Type: 302 311 312 RMP
CAS No: 6484522
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
Max Daily Qty: 27,000
Avg Daily Qty: 19,800
EHS:
Below Thresholds:
Trade Secret:
First Submit Date: 2021-02-08(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Uran (Nitrogen Fertilizer Solution)
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098
Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2021 Data

Facility ID: 6811713
Filing Year: 2020(Tier2)
Explosive: False
Filing Type: 302 311 312 RMP
CAS No: 1310732
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Max Daily Qty: 71,680
Avg Daily Qty: 30,000
EHS:
Below Thresholds:
Trade Secret:

First Submit Date:	2021-02-08(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Caustic Soda
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2021 Data

Facility ID:	6811713	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:	7664417	**Max Daily Qty:**	18,683
Solid:	False	**Avg Daily Qty:**	13,000
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2021-02-08(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Ammonia (anhydrous)
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2021 Data

Facility ID:	6811713	**Explosive:**	True
Filing Year:	2020(Tier2)	**Filing Type:**	302 311 312 RMP
CAS No:		**Max Daily Qty:**	23,108
Solid:	True	**Avg Daily Qty:**	23,108
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date:	2021-02-08(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Lead Acid Storage Batteries
Hazard Not Otherwise Classifi:	False
Contact Name:	Josh Baucom
Contact Type:	Owner / Operator
Contact Email:	jobaucom@coca-cola.com
Contact Work Phone:	407-884-1098
Contact 24 Hour Phone:	
Contact Mobile Phone:	407-473-8656

2021 Data

Facility ID:	6811713	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	302

311
312
RMP

CAS No:	7664939	**Max Daily Qty:**	9,240
Solid:	False	**Avg Daily Qty:**	8,470
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date: 2021-02-08(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Sulfuric acid
Hazard Not Otherwise Classifi: False
Contact Name: Josh Baucom
Contact Type: Owner / Operator
Contact Email: jobaucom@coca-cola.com
Contact Work Phone: 407-884-1098
Contact 24 Hour Phone:
Contact Mobile Phone: 407-473-8656

2022 Data

Facility ID:	7095217	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	6484522	**Max Daily Qty:**	27,000
Solid:	False	**Avg Daily Qty:**	19,800
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-01-31(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Uran (Nitrogen Fertilizer Solution)
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2022 Data

Facility ID:	7095217	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	7664417	**Max Daily Qty:**	14,307
Solid:	False	**Avg Daily Qty:**	14,307
Liquid:	True	**EHS:**	True
Gas:	True	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date: 2022-01-31(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Ammonia (anhydrous)
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2022 Data

Facility ID:	7095217	**Explosive:**	True
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:		**Max Daily Qty:**	23,108
Solid:	True	**Avg Daily Qty:**	23,108
Liquid:	True	**EHS:**	True
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-01-31(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Lead Acid Storage Batteries
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2022 Data

Facility ID:	7095217	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	1310732	**Max Daily Qty:**	71,680
Solid:	False	**Avg Daily Qty:**	30,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date: 2022-01-31(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: Caustic Soda
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2022 Data

Facility ID:	7095217	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	1309428	**Max Daily Qty:**	51,200
Solid:	False	**Avg Daily Qty:**	30,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date: 2022-01-31(Tier2)
NAICS Code: 311411
Dun Bradstreet Code: 11-826-7624
Chemical Name: MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi: False
Contact Name: COCA COLA NORTH AMERICA - APOPKA
Contact Type: Owner / Operator
Contact Email: jbohmann@coca-cola.com
Contact Work Phone:
Contact 24 Hour Phone: 407-318-6485
Contact Mobile Phone:

2022 Data

Facility ID:	7095217	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	7664939	***Max Daily Qty:***	9,240
Solid:	False	***Avg Daily Qty:***	8,470
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2022-01-31(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Sulfuric acid
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	jbohmann@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-318-6485
Contact Mobile Phone:	

2023 Data

Facility ID:	7250671	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	7664417	***Max Daily Qty:***	14,307
Solid:	False	***Avg Daily Qty:***	14,307
Liquid:	True	***EHS:***	True
Gas:	True	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-01-30(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Ammonia (anhydrous)
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2023 Data

Facility ID:	7250671	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1310732	***Max Daily Qty:***	71,680
Solid:	False	***Avg Daily Qty:***	30,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-01-30(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Caustic Soda
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator

Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2023 Data

Facility ID:	7250671	***Explosive:***	True
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:		***Max Daily Qty:***	19,532
Solid:	True	***Avg Daily Qty:***	19,532
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-01-30(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Lead Acid Storage Batteries
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2023 Data

Facility ID:	7250671	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	7664939	***Max Daily Qty:***	9,240
Solid:	False	***Avg Daily Qty:***	8,470
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-01-30(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Sulfuric acid
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2023 Data

Facility ID:	7250671	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	1309428	***Max Daily Qty:***	51,200
Solid:	False	***Avg Daily Qty:***	30,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	

Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	
First Submit Date:	2023-01-30(Tier2)		
NAICS Code:	311411		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	MAGNESIUM HYDROXIDE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	COCA COLA NORTH AMERICA - APOPKA		
Contact Type:	Owner / Operator		
Contact Email:	malasalle@coca-cola.com		
Contact Work Phone:			
Contact 24 Hour Phone:	407-417-7704		
Contact Mobile Phone:			

2023 Data

Facility ID:	7250671	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 311 312 RMP
CAS No:	6484522	***Max Daily Qty:***	27,000
Solid:	False	***Avg Daily Qty:***	19,800
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
First Submit Date:	2023-01-30(Tier2)		
NAICS Code:	311411		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Uran (Nitrogen Fertilizer Solution)		
Hazard Not Otherwise Classifi:	False		
Contact Name:	COCA COLA NORTH AMERICA - APOPKA		
Contact Type:	Owner / Operator		
Contact Email:	malasalle@coca-cola.com		
Contact Work Phone:			
Contact 24 Hour Phone:	407-417-7704		
Contact Mobile Phone:			

2024 Data

Facility ID:	7387669	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 311 312
CAS No:	7664939	***Max Daily Qty:***	9,240
Solid:	False	***Avg Daily Qty:***	8,470
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	4,620
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	True		
First Submit Date:	2024-01-31(Tier2)		
NAICS Code:	311411		
Dun Bradstreet Code:	11-826-7624		
Chemical Name:	Sulfuric acid		
Hazard Not Otherwise Classifi:	False		
Contact Name:	COCA COLA NORTH AMERICA - APOPKA		
Contact Type:	Owner / Operator		
Contact Email:	malasalle@coca-cola.com		
Contact Work Phone:			
Contact 24 Hour Phone:	407-417-7704		
Contact Mobile Phone:			

2024 Data

Facility ID:	7387669	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 311 312
CAS No:	6484522	***Max Daily Qty:***	27,000
Solid:	False	***Avg Daily Qty:***	19,800
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	27,000

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-01-31(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Uran (Nitrogen Fertilizer Solution)
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2024 Data

Facility ID:	7387669	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 311 312
CAS No:	1309428	***Max Daily Qty:***	51,200
Solid:	False	***Avg Daily Qty:***	30,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	51,200

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-01-31(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	MAGNESIUM HYDROXIDE
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

2024 Data

Facility ID:	7387669	***Explosive:***	True
Filing Year:	2023(Tier2)	***Filing Type:***	302 311 312
CAS No:		***Max Daily Qty:***	6,248
Solid:	True	***Avg Daily Qty:***	6,248
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	3,350

Self Heating:	False

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Organic Peroxide:	False
Corrosive to Metal:	True
First Submit Date:	2024-01-31(Tier2)
NAICS Code:	311411
Dun Bradstreet Code:	11-826-7624
Chemical Name:	Lead Acid Storage Batteries
Hazard Not Otherwise Classifi:	False
Contact Name:	COCA COLA NORTH AMERICA - APOPKA
Contact Type:	Owner / Operator
Contact Email:	malasalle@coca-cola.com
Contact Work Phone:	
Contact 24 Hour Phone:	407-417-7704
Contact Mobile Phone:	

6	10 of24	W	0.01 / 78.13	121.53 / 0	**COCA COLA REFRESHMENTS** **2659 ORANGE AVENUE** **APOPKA FL 32703**	FINDS/FRS

Registry ID:	110070279584
FIPS Code:	
HUC Code:	03080102
Site Type Name:	
Location Description:	
Supplemental Location:	
Create Date:	27-SEP-18
Update Date:	
Interest Types:	OSHA ESTABLISHMENT
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	311421
NAICS Code Descriptions:	FRUIT AND VEGETABLE CANNING.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	24
Census Block Code:	120950178022062
EPA Region Code:	04
County Name:	
US/Mexico Border Ind:	
Latitude:	28.688507
Longitude:	-81.553356
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070279584
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

6	11 of24	W	0.01 / 78.13	121.53 / 0	**COCA COLA COMPANY** **2651 ORANGE AVE** **APOPKA FL**	WCRPS

Site ID:	376618	**Coord Accuracy ID:**	3
Datum ID:	NAD83	**Zip5:**	32703
Method ID:	DPHO	**Zip4:**	
Feature:	at tank	**County ID:**	48
Object of Interest:	CAP_RAP SITE	**County:**	ORANGE
Proximity to Object:	EXACT	**Lat DD:**	28
Interpolation Scale:	4513	**Lat MM:**	41
Map Source:	IMAGERYWITHROADS	**Long DD:**	81
Map Source Scale:	4513	**Long MM:**	33

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Collect Program ID:	CL
Collect Username:	JEWSBURY_T
Collect Affiliation:	Florida Department of Environmental Protection
Verifying Program ID:	CL
Verify Method ID:	DPHO
Verifier Username:	JEWSBURY_T
Verifier Affiliation:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Project Name:	COCA COLA COMPANY
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_376618/gis-facility!search

Project Details

Project ID:	384028	**District:**	CD
OGC No:		**GIS ALBX:**	638670.32
Status:	CLOSED	**GIS ALBY:**	522728.87
Priority Score:		**Source:**	Closed Responsible Party Sites
Offsite COC:			
Contaminants:			

6	12 of24	W	0.01 / 78.13	121.53 / 0	**COCA COLA COMPANY** **2651 ORANGE AVE** **APOPKA FL 32703**	DWM CONTAM

Facility ID:	60284	**Contact:**	
Site ID:	ERIC_12867	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:	FIESTA	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	Coca-Cola North America		
Description:			

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	NAD83
Program Area:	RESPONSPARTY	**Method:**	DPHO
Site Manager:	Tracy Jewsbury	**Lat DD:**	28
Discharge Date:		**Lat MM:**	41
Discharge Eligibil:		**Lat SS:**	21.928
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	Closed-ERIC	**Long MM:**	33
Closure Type:		**Long SS:**	9.8695
Closure Date:			

6	13 of24	W	0.01 / 78.13	121.53 / 0	**MINUTE MAID CO** **2659 ORANGE AVE** **PLYMOUTH FL 327683346**	TRIS

TRI FD: 32768CCCLF2659O
FRS ID: 110027966459
BIA:
Tribe:
Facility Name: MINUTE MAID CO
Street Address: 2659 ORANGE AVE
City: PLYMOUTH
County: ORANGE
State: FL
Zip: 327683346
Latitude: 28.689887
Longitude: -81.553641

1991 Details

TRI FD: 32768CCCLF2659O
Federal Facility: NO
Cas No Compound ID: 0007782505
Classification: TRI
Primary SIC: 2033
Primary NAICS: 311421
Metal: NO
Carcinogen: NO
Fugitive Air: 0.000000
Stack Air: 0.000000
Water: 0.000000
Chemical: Chlorine
Industry Sector Code: 311
Industry Sector: Food
Parent Co Name: COCA-COLA CO INC
On Site Release Total: 0.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000

TRI FD: 32768CCCLF2659O
Federal Facility: NO
Cas No Compound ID: 0007664417
Classification: TRI
Primary SIC: 2033
Primary NAICS: 311421
Metal: NO
Carcinogen: NO
Fugitive Air: 9800.000000
Stack Air: 0.000000
Water: 0.000000
Chemical: Ammonia
Industry Sector Code: 311
Industry Sector: Food

Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000

Parent Co Name: COCA-COLA CO INC
On Site Release Total: 9800.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 9800.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1992 Details

TRI FD: 32768CCCLF2659O
Federal Facility: NO
Cas No Compound ID: 0007782505
Classification: TRI
Primary SIC: 2033
Primary NAICS: 311421
Metal: NO
Carcinogen: NO
Fugitive Air: 0.000000
Stack Air: 0.000000
Water: 0.000000
Chemical: Chlorine
Industry Sector Code: 311
Industry Sector: Food
Parent Co Name: COCA-COLA CO INC
On Site Release Total: 0.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.000000
One Time Release:

0.000000

Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

TRI FD: 32768CCCLF2659O
Federal Facility: NO

Underground: 0.000000
Underground CL I: 0.000000

Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	13000.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	13000.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	13000.000000		
One Time Release:			

100.000000

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

1993 Details

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	4000.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	4000.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	4000.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		

One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

1994 Details

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		

Off Site Recycled Total: 0.000000
Total Releases: 0.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

1995 Details

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Chlorine
Industry Sector Code: 311
Industry Sector: Food
Parent Co Name: COCA-COLA CO INC
On Site Release Total: 0.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

1996 Details

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007782505	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000

Primary SIC:	2033	**RCRA C Landfill:**	0.000000
Primary NAICS:	311421	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Chlorine		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		

One Time Release:

Horizontal Datum:

NAD83

CAS No:

7782-50-5

PFAS:

NO

PBT:

NO

TRI FD:	32768CCCLF2659O	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0007664382	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2033	**RCRA C Landfill:**	0.000000
Primary NAICS:	311421	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		

One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NO

1998 Details

TRI FD:	32768CCCLF2659O	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007664417	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2033	***RCRA C Landfill:***	0.000000
Primary NAICS:	311421	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Ammonia		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	COCA-COLA CO INC		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-41-7

PFAS:

NO

PBT:

NO

6	***14 of24***	***W***	***0.01 / 78.13***	***121.53 / 0***	***COCA COLA NORTH AMERICA-APOPKA PLT 2659 ORANGE AVE APOPKA FL 32703***	***UST***

Facility ID:	9200233	***County Name:***	ORANGE
Facility Status:	OPEN	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	41
Facility Phone:	4078862977	***Lat SS:***	27
Dep Co:	P	***Long DD:***	81
Owner ID:	55691	***Long MM:***	33
Owner Phone:	4078841038	***Long SS:***	17
Owner:	COCA COLA NORTH AMERICA		
Owner Address1:	2659 ORANGE AVE		
Owner Address2:	ATTN: STORAGE TANK REGIS		
Owner City:	APOPKA		
Owner State:	FL		
Owner Zip 5:	32703		
Contact:	PAULINE NOWAK		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200233&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200233		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/facility!search		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	30-JUN-1993	***Capacity:***	200
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Kerosene
Tank Det Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	15 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA FOODS-SPECIAL PRODUCTS DEPT 2651 ORANGE AVE APOPKA FL 32073	UST

Facility ID:	9200236	***County Name:***	ORANGE
Facility Status:	OPEN	***Lat/Long Method:***	
Facility Type:	E	***Lat DD:***	28
Type Desc:	Industrial Plant	***Lat MM:***	30
Facility Phone:	4047312859	***Lat SS:***	48.63
Dep Co:	P	***Long DD:***	81
Owner ID:	25233	***Long MM:***	22
Owner Phone:	3058863230	***Long SS:***	34.39
Owner:	COCA COLA FOOD SERVICE		
Owner Address1:	PO BOX 640		
Owner Address2:			
Owner City:	PLYMOUTH		
Owner State:	FL		
Owner Zip 5:	32768		
Contact:			
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200236&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200236		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200236/facility!search		

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	01-APR-2019	***Capacity:***	550
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Waste Oil
Tank Det Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	16 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA FOODS 2659 ORANGE AVE PLYMOUTH FL 32768	UST

Facility ID:	9200827	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	30
Facility Phone:	4078841086	***Lat SS:***	48.33
Dep Co:	P	***Long DD:***	81
Owner ID:	25232	***Long MM:***	22
Owner Phone:	4047312859	***Long SS:***	34.39
Owner:	COCA COLA FOODS		
Owner Address1:	2651 ORANGE AVE		
Owner Address2:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner City: APOPKA
Owner State: FL
Owner Zip 5: 32703
Contact: JOE GONZALEZ
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200827&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200827
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200827/facility!search

Tanks

Tank ID: 1

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 31-MAR-1992
Install:
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 400
Place: UNDERGROUND
Con desc: Kerosene

Tanks

Tank ID: 2

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 31-MAR-1992
Install:
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 250
Place: UNDERGROUND
Con desc: Unleaded Gas

6	17 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA FOODS-SPECIAL PRODUCTS DEPT 2651 ORANGE AVE APOPKA FL 32073	AST

Facility ID: 9200236
Facility Status: OPEN
Facility Type: E
Type Desc: Industrial Plant
Facility Phone: 4047312859
Dep Co: P
Owner ID: 25233
Owner Phone: 3058863230
Owner: COCA COLA FOOD SERVICE
Owner Address1: PO BOX 640
Owner Address2:
Owner City: PLYMOUTH
Owner State: FL
Owner Zip 5: 32768
Contact:
County Name: ORANGE
Lat/Long Method:
Lat DD: 28
Lat MM: 30
Lat SS: 48.63
Long DD: 81
Long MM: 22
Long SS: 34.39
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9200236&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9200236
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200236/facility!search

Tanks

Tank ID: 1

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Status:	U - IN SERVICE	**Tank Vessel Indic:**	TANK
Status Date:		**Capacity:**	514
Install:		**Place:**	ABOVEGROUND
Tank Det Desc:		**Content:**	R
Tank Determin:		**Contdesc:**	Ammonia Compound

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6 | ***18 of24*** | ***W*** | ***0.01 / 78.13*** | ***121.53 / 0*** | ***Coca-Cola North America***
2651 ORANGE AVE
APOPKA FL 32703 | ***ERIC***

Eric ID:	ERIC_12867	**Offste Contami Key:**	CONTAMUNKNOWN
Site Status:	CLOSED	**Se Anno Cad Data:**	
Source Facility ID:	60284	**State:**	FL
District:	CD	**County Name:**	Orange
WMD:	SFWMD	**County ID:**	48
ICR Indicator:	NO	**Datum ID:**	NAD83
Discharge Date Dt:		**Geometry:**	
Method ID:	DPHO	**X:**	-81.55274153121178
Object of Interest:	CAP_R	**Y:**	28.689424451805504
Proximit to Object:	EXACT	**Lat DD:**	28
Collector Username:	JEWSBURY_T	**Lat MM:**	41
Collect Date Dt:		**Lat SS:**	21.928
Map Source:	IMAGERYWITHROADS	**Long DD:**	81
Map Source Scale:	4513	**Long MM:**	33
Intrpolation Scale:	4513	**Long SS:**	9.8695
Coord Accuracy ID:	3	**Gis Albx:**	638670.32
Site Phase Dsc:	Phase 5 - Cleanup Complete	**Gis Alby:**	522728.87
Site Name:	COCA COLA COMPANY		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12867/gis-facility!search		

Program Details

Program:	Responsible Party Cleanup
Program Type:	RESPONSPARTY
Program Status:	COMPLETE
Site Manager:	Tracy Jewsbury

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6 | ***19 of24*** | ***W*** | ***0.01 / 78.13*** | ***121.53 / 0*** | ***COCA COLA FOODS-SPECIAL PRODUCTS DEPT***
2651 ORANGE AVE
APOPKA FL 32073 | ***STCS***

Facility ID:	9200236	**Clnup Cd (OD):**	
Type:	E - Industrial Plant	**Fac Clnup Stat (OD):**	
Status:	Open	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	OPEN	**Contam (Map):**	
Fac Code (OD):	E	**Fac Type (Map):**	Industrial Plant
Facility 1:	Industrial Plant	**Fac Stat (Map):**	OPEN
Fac Name (OD):	COCA COLA FOODS-SPECIAL PRODUCTS DEPT		
Address (OD):	2651 ORANGE AVE		
City (OD):	APOPKA		
County (OD):	ORANGE		
Zip5 (OD):	32073		
Name (Map):	COCA COLA FOODS-SPECIAL PRODUCTS DEPT		
Address (Map):	2651 ORANGE AVE		
City (Map):	APOPKA		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32073		
Address Line 1:	2651 Orange Ave		
Address Line 2:			
City:	Apopka		
County:	ORANGE		
State:	FL		

Zip: 32073
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	39224	**Map Src:**	1999 doqs
X:	-81.55343333	**Map Scale:**	5000
Y:	28.68943333	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	14-Nov-2005	**ALB East:**	638602.84
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522728.52
Ver Meth:	DPHO	**Loc ID:**	15592
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	14-Nov-2005	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	CENTR	**Long MM:**	33
Datum:	HARN	**Long SS:**	
Coord Acc:	4		

Col Aff: DEPARTMENT OF ENVIRONMENTAL PR
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PR
Direct:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200236/gis-facility!search

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	15592	**Rel Feat:**	CENTR
Site Type:	Industrial Plant	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4047312859	**El Units:**	
Operator:	JOE GONZALEZ	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638602.84
OOIC:	FACILITY	**Alb North:**	522728.52
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	11/14/2005	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	11/14/2005	**Long SS:**	
Object ID:	15592		

Col Aff: DEPARTMENT OF ENVIRONMENTAL PR
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PR
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200236/gis-facility!search

Storage Tank Contaminated Facility Name & Address Search Details

Name: Coca Cola Foods-Special Products Dept
2651 Orange Ave
Apopka, FL 32073
LL Method: DPHO - Address Matching
Account Owner: Coca Cola Food Service
Contact: Joe Gonzalez
Phone: 404-731-2859
District: CD
County 1: 48 - Orange
Latitude: 28:41:21.9600
Longitude: 81:33:12.3600

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 2
Size: 550
Content: Waste Oil
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 514
Content: Ammonia Compound
Installed:
Placement: ABOVE
Status: In Service
Construction: A - Ball Check Valve
B - Internal Lining
J - Synthetic Excavation Liner
Piping: Y - Unknown
Monitoring: Y - Unknown

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6 | ***20 of24*** | ***W*** | ***0.01 / 78.13*** | ***121.53 / 0*** | ***COCA COLA NORTH AMERICA-APOPKA PLT***
2659 ORANGE AVE
APOPKA FL 32703 | ***STCS***

Facility ID: 9200233
Type: C - Fuel User/Non-Retail
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Fac Code (OD): C
Facility 1: Fuel user/Non-retail
Clnup Cd (OD): CMPL
Fac Clnup Stat (OD): COMPLETED
Clnup Dt (OD): 31-Aug-2006
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Fuel user/Non-retail
Fac Stat (Map): OPEN
Fac Name (OD): COCA COLA NORTH AMERICA-APOPKA PLT
Address (OD): 2659 ORANGE AVE
City (OD): APOPKA
County (OD): ORANGE
Zip5 (OD): 32703
Name (Map): COCA COLA NORTH AMERICA-APOPKA PLT
Address (Map): 2659 ORANGE AVE
City (Map): APOPKA
County (Map): 48
Zip4 (Map): 3346
Zip5 (Map): 32703
Address Line 1: 2659 Orange Ave
Address Line 2:
City: Apopka
County: ORANGE
State: FL
Zip: 32703- 3346
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID: 39221
X: -81.554912
Y: 28.691005
Regulated: YES
Map Src: 2004 DOQQs
Map Scale: 10
Elevation:
El Datum:

Col Meth:	DPHO	**El Resolut:**	
Col Name:	CARPENTER_K	**El Units:**	
Col Date:	09-Jun-2010	**ALB East:**	638455.1900000001
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522900.16000000003
Ver Meth:	DPHO	**Loc ID:**	15593
Ver Name:	CARPENTER_K	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	09-Jun-2010	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	EXACT	**Long MM:**	33
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	YORK STB		
Ver Aff:	YORK STB		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	15593	**Rel Feat:**	EXACT
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078862977	**El Units:**	
Operator:	PETER HARRIS	**Map Src:**	2004 DOQQs
Next action:	PLACARD 06-JUN-2024	**Map Scale:**	10
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638455.1900000001
OOIC:	FACILITY	**Alb North:**	522900.16000000003
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	CARPENTER_K	**Elevation:**	
Col Date:	6/9/2010	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	CARPENTER_K	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/9/2010	**Long SS:**	
Object ID:	15593		
Col Aff:	YORK STB		
Ver Aff:	YORK STB		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200233/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Coca Cola North America-Apopka Plt 2659 Orange Ave Apopka, FL 32703- 3346
LL Method:	DPHO - Autonomous GPS
Account Owner:	Coca Cola North America
Contact:	Peter Harris
Phone:	407-886-2977
District:	CD
County 1:	48 - Orange
Latitude:	28:41:27.6180
Longitude:	81:33:17.6832

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	200
Content:	Kerosene
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	50000
Content:	Fuel Oil - Distribution
Installed:	
Placement:	ABOVE
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	8
Size:	5000
Content:	Hazardous Substance
Installed:	07/01/1995
Placement:	ABOVE
Status:	Out of Service
Construction:	I - Double Wall Y - Polyethylene
Piping:	A - Abv, No Soil Contact B - Steel/Galvanized Metal
Monitoring:	M - Manual Tank Gauging - Usts

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	7
Size:	6900
Content:	Other Non Regulated
Installed:	
Placement:	ABOVE
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	9
Size:	500
Content:	Mineral Acid
Installed:	05/01/2007
Placement:	ABOVE
Status:	Out of Service
Construction:	A - Ball Check Valve H - Impressed Current Cp I - Double Wall Y - Polyethylene
Piping:	A - Abv, No Soil Contact D - External Protective Coating N - Approved Synthetic Material P - Internal Pipe/Internal Sump Riser
Monitoring:	2 - Visual Inspect Pipe Sumps 6 - External Piping Monitoring F - Monitor Dbl Wall Tank Space Q - Visual Inspection Of Asts

6	***21 of24***	***W***	***0.01 / 78.13***	***121.53 / 0***	***COCA COLA FOODS 2659 ORANGE AVE PLYMOUTH FL 32768***	***STCS***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	9200827	**Clnup Cd (OD):**	CMPL
Type:	C - Fuel User/Non-Retail	**Fac Clnup Stat (OD):**	COMPLETED
Status:	Closed	**Clnup Dt (OD):**	20-May-2010
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	CLOSED	**Contam (Map):**	
Fac Code (OD):	C	**Fac Type (Map):**	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	**Fac Stat (Map):**	CLOSED
Fac Name (OD):	COCA COLA FOODS		
Address (OD):	2659 ORANGE AVE		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	COCA COLA FOODS		
Address (Map):	2659 ORANGE AVE		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	2659 Orange Ave		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	41460	**Map Src:**	2004 doqqs
X:	-81.37604222	**Map Scale:**	5000
Y:	28.51274075	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	23-Oct-2006	**ALB East:**	656318.1900000001
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	503465.52
Ver Meth:	DPHO	**Loc ID:**	15549
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	30
Ver Date:	23-Oct-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	VICIN	**Long MM:**	22
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200827/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	15549	**Rel Feat:**	VICIN
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078841086	**El Units:**	
Operator:	MATTOX, BOB	**Map Src:**	2004 doqqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	656318.1900000001
OOIC:	FACILITY	**Alb North:**	503465.52
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	10/23/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	30
Ver Meth:	DPHO	**Lat SS:**	

Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	22
Ver Date:	10/23/2006	**Long SS:**	
Object ID:	15549		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9200827/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Coca Cola Foods 2659 Orange Ave Plymouth, FL 32768
LL Method:	DPHO - Address Matching
Account Owner:	Coca Cola Foods
Contact:	Mattox, Bob
Phone:	407-884-1086
District:	CD
County 1:	48 - Orange
Latitude:	28:30:45.8667
Longitude:	81:22:33.7520

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	250
Content:	Unleaded Gas
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	400
Content:	Kerosene
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	22 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA NORTH AMERICA-APOPKA PLT 2659 ORANGE AVE APOPKA FL 32703	DWM CONTAM

Facility ID:	9200233	**Contact:**	
Site ID:	9200233	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:	C	**RP Begin Date:**	
Stcm Facility Type:	C	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	COCA COLA NORTH AMERICA-APOPKA PLT		
Description:	Fuel user/Non-retail		

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:	40	**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	AGPS
Site Manager:		**Lat DD:**	28
Discharge Date:	11/02/1995	**Lat MM:**	41
Discharge Eligibil:	I	**Lat SS:**	27
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	CLOSED-STCM	**Long MM:**	33
Closure Type:	NFA	**Long SS:**	17
Closure Date:	08/31/2006		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	23 of24	W	0.01 / 78.13	121.53 / 0	COCA COLA FOODS 2659 ORANGE AVE PLYMOUTH FL 32768	DWM CONTAM

Facility ID:	9200827	**Contact:**	
Site ID:	9200827	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:	C	**RP Begin Date:**	
Stcm Facility Type:	C	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	COCA COLA FOODS		
Description:	Fuel user/Non-retail		

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:	77	**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	ADDM
Site Manager:		**Lat DD:**	28
Discharge Date:	04/01/1992	**Lat MM:**	30
Discharge Eligibil:	E	**Lat SS:**	48.33
Eligibility Progrm:	ATRP	**Long DD:**	81
Cleanup Status:	CLOSED-STCM	**Long MM:**	22
Closure Type:	NFA	**Long SS:**	34.39
Closure Date:	05/15/1997		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	24 of24	W	0.01 / 78.13	121.53 / 0	CCNA BASE PLACE USA 2659 ORANGE AVENUE APOPKA FL 327033346	FINDS/FRS

Registry ID: 110071647949
FIPS Code: 12095
HUC Code: 03080102
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 08-FEB-24
Update Date: 09-MAY-24
Interest Types:
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: RMP
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 24
Census Block Code: 120950178022061
EPA Region Code: 04
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point: CENTER OF FACILITY
Coord Collection Method: INTERPOLATION-MAP
Accuracy Value: 25
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071647949
Data Source: Facility Registry Service - Single File
Program Acronyms:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of3	NW	0.04 / 217.32	123.76 / 2	HARENDRA SINGH 2591 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	SWF/LF

Facility ID: 99552
Fac Type (Geodata):
Fac Stat (Geodata):
Status Dt (Geodat):
Ownership (Geodat):
Zip4 (Geodata):
Zip5 (Geodata):
District (Geodata):
Office (Geodata):
Resp Authority:
RA Address:
City1:
RA State:
Zip1:
RA Phone No.:
RA Email:
Site Supervisor:
SS Address:
City 1:
SS State:
Zip 1:
SS Phone No:

District: CD
Section:
Township:
Range:
County ID (Geodat):
County (Geodata):
County: ORANGE
Latitude: ::
Longitude: ::

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SS Email:
Land Owner:
LO Address:
City 2:
LO State:
Zip 2:
LO Phone No:
Facility Name (Geodata):
Address (Geodata):
City (Geodata):
Documents (Geodata):
Reports (Geodata):
Info Portal Facility URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=99552
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=99552&CAT=8
Data Source: Solid Waste Facility Inventory Report

Class details

Class: WASTE TIRE COLLECTOR
Class Status: INACTIVE (I)

7	2 of3	NW	0.04 / 217.32	123.76 / 2	EL DORADO AUTO GROUP 2591 W. ORANGE BLOSSOM TRL APOPKA FL 32712	SWF/LF

Facility ID: 100851
Fac Type (Geodata): Solid Waste
Fac Stat (Geodata): Complaint Under Investigation
Status Dt (Geodat): 2012/10/12 00:00:00+00
Ownership (Geodat): Private
Zip4 (Geodata): 3174
Zip5 (Geodata): 32712
District (Geodata): CD
Office (Geodata):
Resp Authority:
RA Address:
City1:
RA State:
Zip1:
RA Phone No.:
RA Email:
Site Supervisor:
SS Address:
City 1:
SS State:
Zip 1:
SS Phone No:
SS Email:
Land Owner:
LO Address:
City 2:
LO State:
Zip 2:
LO Phone No:
District: CD
Section:
Township:
Range:
County ID (Geodat): 48
County (Geodata): Orange
County: ORANGE
Latitude: 28:41:32.3518
Longitude: 81:33:10.5596
Facility Name (Geodata): EL DORADO AUTO GROUP
Address (Geodata): 2591 W. ORANGE BLOSSOM TRL
City (Geodata): Apopka
Documents (Geodata): https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/100851/gis-facility!search
Reports (Geodata): https://fldep.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Inventory_res2.asp?wacsid=100851
Info Portal Facility URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=100851
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=100851&CAT=8
Data Source: Solid Waste Facility Inventory Report; Florida DEP Geospatial Open Data

Class details

Class: UNAUTHORIZED DISPOSAL/PROCESSING-COMPLAINT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Class Status: COMPLAINT UNDER INVESTIGATION (L)

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest:	Facility	**Lat DD:**	28
Accuracy Level:	3	**Lat MM:**	41
Accuracy:	1.1 - 10 meters	**Lat SS:**	
QA Status:	Reviewed	**Long DD:**	81
Datum ID:	NAD83	**Long MM:**	33
X:	638645.248399824	**Long SS:**	
Y:	523049.991800342		
Class:			
Class Status:			
Proximity ID:	Approximate feature location		
Coord Method ID:	Digital Aerial Photography		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	3 of3	NW	0.04 / 217.32	123.76 / 2	EL DORADO RECYCLE, INC. 2591 W ORANGE BLOSSOM TRL APOPKA FL 32712	SWF/LF

Facility ID:	101587	**District:**	CD
Fac Type (Geodata):		**Section:**	
Fac Stat (Geodata):		**Township:**	
Status Dt (Geodat):		**Range:**	
Ownership (Geodat):		**County ID (Geodat):**	
Zip4 (Geodata):		**County (Geodata):**	
Zip5 (Geodata):		**County:**	ORANGE
District (Geodata):		**Latitude:**	::
Office (Geodata):		**Longitude:**	::
Resp Authority:			
RA Address:			
City1:			
RA State:			
Zip1:			
RA Phone No.:			
RA Email:			
Site Supervisor:			
SS Address:			
City 1:			
SS State:			
Zip 1:			
SS Phone No:			
SS Email:			
Land Owner:			
LO Address:			
City 2:			
LO State:			
Zip 2:			
LO Phone No:			
Facility Name (Geodata):			
Address (Geodata):			
City (Geodata):			
Documents (Geodata):			
Reports (Geodata):			
Info Portal Facility URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=101587		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=101587&CAT=8		
Data Source:	Solid Waste Facility Inventory Report		

Class details

Class:	WASTE TIRE COLLECTOR
Class Status:	INACTIVE (I)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of2	E	0.05 / 244.61	105.22 / -17	SHELL-PLYMOUTH #799 2301 W ORANGE BLOSSOM TRL	UST

APOPKA FL 32712

Facility ID:	8512806	***County Name:***	ORANGE
Facility Status:	OPEN	***Lat/Long Method:***	
Facility Type:	A	***Lat DD:***	28
Type Desc:	Retail Station	***Lat MM:***	34
Facility Phone:	8136814279	***Lat SS:***	10
Dep Co:	C	***Long DD:***	81
Owner ID:	922	***Long MM:***	24
Owner Phone:	8136814279	***Long SS:***	22

Owner: AUTOMATED PETROLEUM & ENERGY CO INC (APEC)
Owner Address1: PO BOX 1110
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City: Brandon
Owner State: FL
Owner Zip 5: 33509
Contact: BILL MCKNIGHT | RICK HERWEH
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8512806&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8512806
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512806/facility!search

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	01-MAR-1996	***Capacity:***	8000
Install:	01-MAY-1976	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Tanks

Tank ID: 3

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	01-MAR-1996	***Capacity:***	8000
Install:	01-MAY-1976	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Tanks

Tank ID: 4

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:	12-FEB-2025	***Capacity:***	20000
Install:	01-MAR-1996	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Piping

Pipe Description: G-Pipe trench liner

Monitoring

Monitoring Desc: 2-Visual inspect pipe sumps

Monitoring Desc: 4-Visual inspect dispenser liners

Monitoring Desc: F-Monitor dbl wall tank space

Monitoring Desc: H-Mechanical line leak detector

Tank Construction

Cons Desc: Double wall

Cons Desc: Steel

Cons Desc: Tight fill

Cons Desc: Flow shut-Off

Cons Desc: Spill containment bucket

Cons Desc: Compartmented

Tanks

Tank ID: 1

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 01-MAR-1996
Install: 01-MAY-1976
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 8000
Place: UNDERGROUND
Con desc: Unleaded Gas

---

8 | ***2 of2*** | ***E*** | ***0.05 / 244.61*** | ***105.22 / -17*** | ***SHELL-PLYMOUTH #799 2301 W ORANGE BLOSSOM TRL APOPKA FL 32712*** | ***STCS***

Facility ID: 8512806
Type: A - Retail Station
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Fac Code (OD): A
Facility 1: Retail Station
Fac Name (OD): SHELL-PLYMOUTH #799
Address (OD): 2301 W ORANGE BLOSSOM TRL
City (OD): APOPKA
County (OD): ORANGE
Zip5 (OD): 32712
Name (Map): SHELL-PLYMOUTH #799
Address (Map): 2301 W ORANGE BLOSSOM TRL
City (Map): APOPKA
County (Map): 48
Zip4 (Map): 3171
Zip5 (Map): 32712
Address Line 1: 2301 W Orange Blossom Trl
Address Line 2:
City: Apopka
County: ORANGE
Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Retail Station
Fac Stat (Map): OPEN

State:	FL
Zip:	32712- 3171
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	6669	**Map Src:**	imagerywithroads
X:	-81.54717456	**Map Scale:**	564
Y:	28.69065311	**Elevation:**	
Regulated:	YES	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WILLIAMS_CA	**El Units:**	
Col Date:	18-Sep-2023	**ALB East:**	639210.46
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522876.08
Ver Meth:	DPHO	**Loc ID:**	17597
Ver Name:	WILLIAMS_CA	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	18-Sep-2023	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	EXACT	**Long MM:**	32
Datum:	NAD83	**Long SS:**	
Coord Acc:	4		
Col Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512806/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17597	**Rel Feat:**	EXACT
Site Type:	Retail Station	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	8136814279	**El Units:**	
Operator:	RICK HERWEH	**Map Src:**	imagerywithroads
Next action:	PLACARD 18-JUN-2024	**Map Scale:**	564
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	639210.46
OOIC:	FACILITY	**Alb North:**	522876.08
Col Meth:	DPHO	**Datum:**	NAD83
Col Name:	WILLIAMS_CA	**Elevation:**	
Col Date:	9/18/2023	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WILLIAMS_CA	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	32
Ver Date:	9/18/2023	**Long SS:**	
Object ID:	17597		
Col Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512806/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Shell-Plymouth #799 2301 W Orange Blossom Trl Apopka, FL 32712- 3171
LL Method:	DPHO - Autonomous GPS
Account Owner:	Automated Petroleum & Energy Co Inc (Apec)
Contact:	Rick Herweh
Phone:	813-681-4279
District:	CD
County 1:	48 - Orange
Latitude:	28:41:26.3512
Longitude:	81:32:49.8284

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	3
Size:	8000
Content:	Unleaded Gas
Installed:	05/01/1976
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	8000
Content:	Unleaded Gas
Installed:	05/01/1976
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	8000
Content:	Unleaded Gas
Installed:	05/01/1976
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	4
Size:	20000
Content:	Unleaded Gas
Installed:	03/01/1996
Placement:	UNDER
Status:	Out of Service
Construction:	I - Double Wall L - Compartmented M - Spill Containment Bucket N - Flow Shut-Off O - Tight Fill
Piping:	G - Pipe Trench Liner
Monitoring:	2 - Visual Inspect Pipe Sumps 4 - Visual Inspect Dispenser Liners F - Monitor Dbl Wall Tank Space H - Mechanical Line Leak Detector

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of4	NNW	0.05 / 271.60	123.04 / 1	HERITAGE PROFESSIONAL PRODUCTS GROUP 2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227	RCRA NON GEN

Handler ID:	FLR000155036
Generator Status:	N
Recycler Activity?:	NO

Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2025.

Evaluation Details

Eval Start Date: 20090506
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	I	***NAIC 1:***	44422
Seq No:	201109	***NAIC 2:***	
Non Notifier:	X	***NAIC 3:***	
Receive Date:	20110926	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.692365
In Handler Univ:	N	***Location Longitude:***	-81.552016
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		

Fed Waste Gen Owner: HQ
State Waste Generator Owner: FL
State Waste Generator: N
Short Term Generator: N
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal WrkId: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------

GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20241220
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	HERITAGE PROFESSIONAL PRODUCTS GROUP
Location Street No:	
Location Street1:	2601 W ORANGE BLOSSOM TRL
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32712-4227
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	SHARON HUTCHING
Contact Street No:	
Contact Street1:	2601 W ORANGE BLOSSOM TRL
Contact Street2:	
Contact City:	APOPKA
Contact State:	FL
Contact Zip:	32712-4227
Contact Country:	US
Contact Phone And Ext:	407-886-4744
Contact Fax:	407-884-0111
Contact Email Address:	
Contact Title:	MANAGER
Owner Name:	
Owner Type:	
Owner Seq:	
Operator Name:	
Operator Type:	
Operator Seq:	
Public Notes:	

Hazardous Waste Handler Details

Seq No:	200905
Receive Date:	20090506
Handler Name:	PRO SOURCE ONE
Fed Waste Generator:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Hazardous Waste Handler Details

Seq No:	201109
Receive Date:	20110926
Handler Name:	HERITAGE PROFESSIONAL PRODUCTS GROUP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Historical Handler Details

Receive Dt: 20090506
Generator Code Description: Not a Generator, Verified
Handler Name: PRO SOURCE ONE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of4	NNW	0.05 / 271.60	123.04 / 1	WINFIELD UNITED - APOPKA 2601 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	TIER 2

2018 Data

Facility ID: 6062568
Filing Year: 2017(Tier2)
CAS No: 38641940
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2018-02-15(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: Glyphosate - Isopropylammonium
Hazard Not Otherwise Classifi: False
Contact Name: Kip Landwehr
Contact Type: Owner / Operator
Contact Email: celandwehr@LandOLakes.com
Contact Work Phone: 972-462-8656
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 33450
Avg Daily Qty: 15831
EHS:
Below Thresholds:
Trade Secret:

2018 Data

Facility ID: 6062568
Filing Year: 2017(Tier2)
CAS No: 1910425
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2018-02-15(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: Paraquat Dichloride
Hazard Not Otherwise Classifi: False
Contact Name: Kip Landwehr
Contact Type: Owner / Operator
Contact Email: celandwehr@LandOLakes.com
Contact Work Phone: 972-462-8656
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 88
Avg Daily Qty: 33
EHS: True
Below Thresholds:
Trade Secret:

2019 Data

Facility ID:	6363237	**Explosive:**	False
Filing Year:	2018(Tier2)	**Filing Type:**	312
CAS No:	38641940	**Max Daily Qty:**	43565
Solid:	False	**Avg Daily Qty:**	22463
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2019-01-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	Glyphosate - Isopropylammonium		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2019 Data

Facility ID:	6363237	**Explosive:**	False
Filing Year:	2018(Tier2)	**Filing Type:**	312
CAS No:	7783202	**Max Daily Qty:**	38001
Solid:	True	**Avg Daily Qty:**	11518
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2019-01-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	AMMONIUM SULFATE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2020 Data (Filed)

Facility ID:	6641980	**Explosive:**	False
Filing Year:	2019(Tier2)	**Filing Type:**	302 312
CAS No:	1302789	**Max Daily Qty:**	57,895
Solid:	True	**Avg Daily Qty:**	19,555
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2020-02-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	BENTONITE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2020 Data (Filed)

Facility ID: 6641980
Filing Year: 2019(Tier2)

CAS No: 38641940
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2020-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: Glyphosate - Isopropylammonium
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

Explosive: False
Filing Type: 302
312
Max Daily Qty: 74,815
Avg Daily Qty: 28,985
EHS:
Below Thresholds:
Trade Secret:

2020 Data (Filed)

Facility ID: 6641980
Filing Year: 2019(Tier2)

CAS No: 8042475
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2020-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: WHITE MINERAL OIL
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

Explosive: False
Filing Type: 302
312
Max Daily Qty: 29,701
Avg Daily Qty: 16,958
EHS:
Below Thresholds:
Trade Secret:

2020 Data (Filed)

Facility ID: 6641980
Filing Year: 2019(Tier2)

CAS No: 7783202
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2020-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: AMMONIUM SULFATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

Explosive: False
Filing Type: 302
312
Max Daily Qty: 60,963
Avg Daily Qty: 30,813
EHS:
Below Thresholds:
Trade Secret:

2020 Data (Filed)

Facility ID:	6641980	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	14977378	***Max Daily Qty:***	63,063
Solid:	True	***Avg Daily Qty:***	43,560
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2020-02-10(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	POTASSIUM MAGNESIUM SULFATE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6641980	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	57136	***Max Daily Qty:***	31,343
Solid:	True	***Avg Daily Qty:***	16,731
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2020-02-10(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	UREA
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6641980	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	302 312
CAS No:	1910425	***Max Daily Qty:***	41
Solid:	False	***Avg Daily Qty:***	32
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		

First Submit Date:	2020-02-10(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	PARAQUAT DICHLORIDE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com

Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2020 Data (Filed)

Facility ID: 6641980
Filing Year: 2019(Tier2)
CAS No: 1317653
Solid: True
Liquid: False
Gas: False
Pure: False
Mixture: True
First Submit Date: 2020-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: LIMESTONE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 29,257
Avg Daily Qty: 17,940
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 999815
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: CHLOROCHOLINE CHLORIDE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 254
Avg Daily Qty: 129
EHS: True
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 7447407
Solid: True
Liquid: False
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: POTASSIUM CHLORIDE
Hazard Not Otherwise Classifi: False
Explosive: False
Filing Type: 302
312
Max Daily Qty: 24,134
Avg Daily Qty: 14,796
EHS:
Below Thresholds:
Trade Secret:

Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 8042475
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: WHITE MINERAL OIL
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 32,762
Avg Daily Qty: 15,737
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 14808607
Solid: True
Liquid: False
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: CRYSTALLINE SILICA (QUARTZ)
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 26,215
Avg Daily Qty: 12,451
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 1317653
Solid: True
Liquid: False
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Explosive: False
Filing Type: 302
312
Max Daily Qty: 29,505
Avg Daily Qty: 22,388
EHS:
Below Thresholds:
Trade Secret:

Dun Bradstreet Code: 80-684-3228
Chemical Name: LIMESTONE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 1910425
Solid: False
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: PARAQUAT DICHLORIDE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 27
Avg Daily Qty: 16
EHS: True
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 7783202
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2021-01-28(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: AMMONIUM SULFATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 37,529
Avg Daily Qty: 19,201
EHS:
Below Thresholds:
Trade Secret:

2021 Data

Facility ID: 6807909
Filing Year: 2020(Tier2)
CAS No: 1302789
Solid: True
Liquid: False
Gas: False
Pure: False
Explosive: False
Filing Type: 302
312
Max Daily Qty: 60,950
Avg Daily Qty: 31,663
EHS:
Below Thresholds:
Trade Secret:

Mixture:	True
First Submit Date:	2021-01-28(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	BENTONITE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2021 Data

Facility ID:	6807909	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	302 312
CAS No:	7758998	**Max Daily Qty:**	26,344
Solid:	True	**Avg Daily Qty:**	11,116
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date:	2021-01-28(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	COPPER SULFATE PENTAHYDRATE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2021 Data

Facility ID:	6807909	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	302 312
CAS No:	38641940	**Max Daily Qty:**	84,566
Solid:	False	**Avg Daily Qty:**	36,749
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date:	2021-01-28(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	Glyphosate - Isopropylammonium
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2021 Data

Facility ID:	6807909	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	302 312
CAS No:	14977378	**Max Daily Qty:**	60,270
Solid:	True	**Avg Daily Qty:**	20,388

Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		
First Submit Date:	2021-01-28(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	POTASSIUM MAGNESIUM SULFATE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2021 Data

Facility ID:	6807909	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	302 312
CAS No:	57136	***Max Daily Qty:***	48,150
Solid:	True	***Avg Daily Qty:***	28,822
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		
First Submit Date:	2021-01-28(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	UREA		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2021 Data

Facility ID:	6807909	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	302 312
CAS No:	7783202	***Max Daily Qty:***	60,963
Solid:	True	***Avg Daily Qty:***	30,813
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True		
First Submit Date:	2021-01-28(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	AMMONIUM SULFATE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2022 Data

Facility ID:	7107475	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	

CAS No:	57136	**Max Daily Qty:**	83,121
Solid:	True	**Avg Daily Qty:**	46,894
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: UREA
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	7758998	**Max Daily Qty:**	56,122
Solid:	True	**Avg Daily Qty:**	14,986
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: COPPER SULFATE PENTAHYDRATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	7447407	**Max Daily Qty:**	24,431
Solid:	True	**Avg Daily Qty:**	10,188
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: POTASSIUM CHLORIDE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False

Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	14977378	**Max Daily Qty:**	25,137
Solid:	True	**Avg Daily Qty:**	12,662
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: POTASSIUM MAGNESIUM SULFATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	38641940	**Max Daily Qty:**	140,800
Solid:	False	**Avg Daily Qty:**	51,706
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: Glyphosate - Isopropylammonium
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	1302789	**Max Daily Qty:**	78,891
Solid:	True	**Avg Daily Qty:**	38,504
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		

First Submit Date: 2022-02-10(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: BENTONITE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	1317653	**Max Daily Qty:**	36,245
Solid:	True	**Avg Daily Qty:**	16,363
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2022-02-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	LIMESTONE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	7783202	**Max Daily Qty:**	35,573
Solid:	True	**Avg Daily Qty:**	12,909
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2022-02-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	AMMONIUM SULFATE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2022 Data

Facility ID:	7107475	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	7487889	**Max Daily Qty:**	26,734
Solid:	True	**Avg Daily Qty:**	10,953
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True		
First Submit Date:	2022-02-10(Tier2)		
NAICS Code:	424910		
Dun Bradstreet Code:	80-684-3228		
Chemical Name:	MAGNESIUM SULFATE, ANHYDROUS		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Clifton (Kip) Landwehr		
Contact Type:	Owner / Operator		
Contact Email:	CELandwehr@landolakes.com		
Contact Work Phone:			
Contact 24 Hour Phone:	817-832-6880		
Contact Mobile Phone:			

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	1302789	**Max Daily Qty:**	46,657
Solid:	True	**Avg Daily Qty:**	26,794
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	BENTONITE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	7487889	**Max Daily Qty:**	35,820
Solid:	True	**Avg Daily Qty:**	27,427
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	MAGNESIUM SULFATE, ANHYDROUS
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	1317653	**Max Daily Qty:**	24,547
Solid:	True	**Avg Daily Qty:**	15,266
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	LIMESTONE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2023 Data

Facility ID:	7268253	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 312
CAS No:	7758998	***Max Daily Qty:***	50,158
Solid:	True	***Avg Daily Qty:***	12,652
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	COPPER SULFATE PENTAHYDRATE
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2023 Data

Facility ID:	7268253	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 312
CAS No:	79210	***Max Daily Qty:***	1,513
Solid:	False	***Avg Daily Qty:***	754
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	PEROXYACETIC ACID
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com
Contact Work Phone:	
Contact 24 Hour Phone:	817-832-6880
Contact Mobile Phone:	

2023 Data

Facility ID:	7268253	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	302 312
CAS No:	2164070	***Max Daily Qty:***	15,922
Solid:	True	***Avg Daily Qty:***	10,067
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

First Submit Date:	2023-02-14(Tier2)
NAICS Code:	424910
Dun Bradstreet Code:	80-684-3228
Chemical Name:	DIPOTASSIUM ENDOTHALL SALT
Hazard Not Otherwise Classifi:	False
Contact Name:	Clifton (Kip) Landwehr
Contact Type:	Owner / Operator
Contact Email:	CELandwehr@landolakes.com

Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	7783202	**Max Daily Qty:**	38,977
Solid:	True	**Avg Daily Qty:**	16,544
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-14(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: AMMONIUM SULFATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	7783280	**Max Daily Qty:**	17,595
Solid:	True	**Avg Daily Qty:**	12,676
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-14(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: DIAMMONIUM HYDROGEN PHOSPHATE
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2023 Data

Facility ID:	7268253	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	302 312
CAS No:	38641940	**Max Daily Qty:**	82,709
Solid:	False	**Avg Daily Qty:**	45,471
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	False	**Trade Secret:**	
Mixture:	True	**Max Amt in Lrg Cntr:**	

First Submit Date: 2023-02-14(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: Glyphosate - Isopropylammonium
Hazard Not Otherwise Classifi: False

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

2023 Data

Facility ID: 7268253
Filing Year: 2022(Tier2)
CAS No: 57136
Solid: True
Liquid: True
Gas: False
Pure: False
Mixture: True
First Submit Date: 2023-02-14(Tier2)
NAICS Code: 424910
Dun Bradstreet Code: 80-684-3228
Chemical Name: UREA
Hazard Not Otherwise Classifi: False
Contact Name: Clifton (Kip) Landwehr
Contact Type: Owner / Operator
Contact Email: CELandwehr@landolakes.com
Contact Work Phone:
Contact 24 Hour Phone: 817-832-6880
Contact Mobile Phone:

Explosive: False
Filing Type: 302
312
Max Daily Qty: 140,505
Avg Daily Qty: 72,376
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	3 of4	NNW	0.05 / 271.60	123.04 / 1	HERITAGE PROFESSIONAL PRODUCTS GROUP 2601 W ORANGE BLOSSOM TRL APOPKA FL 32712-4227	RCRA VSQG

Handler ID: FLT230090011
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer: No
Mixed Waste Gen: No
Transporter: No
Transfer Facility: No
Recycler: No
Onsite Burner Exem: No
Furnace Exemption: No
Underground Injec: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Used Oil Transpor: No
Used Oil Trans Fac: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Commercial TSD: No
Recycl Nonstorage: No

Additional Handler Summary Details

Source Type: E
Seq No: 202308
Non Notifier:
NAIC 1:
NAIC 2:
NAIC 3:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Date:	20230815	**NAIC 4:**	
Active Site:	H----	**State:**	FL
Land Type:	P	**Location Latitude:**	28.692801
In Handler Univ:	Y	**Location Longitude:**	-81.552887
In A Universe:	Y	**Loc GIS Primary:**	N
Gen Status:	VSG	**Loc GIS Origin:**	UC
Report Cycle:		**State District Owner:**	FL
Accessibility:		**State District:**	CD
Region:	04		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	FL
State Waste Generator:	N
Short Term Generator:	Y
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20240315
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	HERITAGE PROFESSIONAL PRODUCTS GROUP
Location Street No:	
Location Street1:	2601 W ORANGE BLOSSOM TRL
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32712-4227
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	TRUDIE DUNCAN
Contact Street No:	
Contact Street1:	7440 S HWY 121
Contact Street2:	
Contact City:	MCKINNEY
Contact State:	TX
Contact Zip:	75070-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Country: US
Contact Phone And Ext:
Contact Fax:
Contact Email Address: TRUDIE.DUNCAN@SRSDISTRIBUTION.COM
Contact Title: REGULATORY COMPLIANCE MANAGER
Owner Name:
Owner Type:
Owner Seq:
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

My branch has done some house cleaning and we need to dispose of 11 pallets of fertilizers.

Hazardous Waste Handler Details

Seq No: 202308
Receive Date: 20230815
Handler Name: HERITAGE PROFESSIONAL PRODUCTS GROUP
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Emergency

9	4 of4	NNW	0.05 / 271.60	123.04 / 1	Heritage Professional Product Group - 2150 APOPKA 2601 W ORANGE BLOSSOM TRAIL Apopka FL 75070	TIER 2

2024 Data

Facility ID: 7441213
Filing Year: 2023(Tier2)
CAS No: 1302789
Solid: True
Liquid: False
Gas: False
Pure: False
Mixture: True
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-03-07(Tier2)
NAICS Code: 444240
Dun Bradstreet Code: 11-736-2452
Chemical Name: BENTONITE
Hazard Not Otherwise Classifi: False
Contact Name: Trudie Duncan
Contact Type: Owner / Operator
Contact Email: trudie.duncan@srsdistribution.com
Contact Work Phone:
Contact 24 Hour Phone: 480-253-1066
Contact Mobile Phone:
Explosive: False
Filing Type: 302
312
Max Daily Qty: 46,657
Avg Daily Qty: 26,794
EHS:
Below Thresholds:
Trade Secret:
Max Amt in Lrg Cntr:

2024 Data

Facility ID: 7441213
Filing Year: 2023(Tier2)
CAS No: 38641940
Solid: False
Explosive: False
Filing Type: 302
312
Max Daily Qty: 82,709
Avg Daily Qty: 45,471

Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	Glyphosate - Isopropylammonium		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		
Contact Work Phone:			
Contact 24 Hour Phone:	480-253-1066		
Contact Mobile Phone:			

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	7783280	***Max Daily Qty:***	17,595
Solid:	True	***Avg Daily Qty:***	12,676
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	DIAMMONIUM HYDROGEN PHOSPHATE		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		
Contact Work Phone:			
Contact 24 Hour Phone:	480-253-1066		
Contact Mobile Phone:			

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	7487889	***Max Daily Qty:***	35,820
Solid:	True	***Avg Daily Qty:***	27,427
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	MAGNESIUM SULFATE, ANHYDROUS		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		

Contact Work Phone:
Contact 24 Hour Phone: 480-253-1066
Contact Mobile Phone:

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	7783202	***Max Daily Qty:***	38,977
Solid:	True	***Avg Daily Qty:***	16,544
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-03-07(Tier2)
NAICS Code: 444240
Dun Bradstreet Code: 11-736-2452
Chemical Name: AMMONIUM SULFATE
Hazard Not Otherwise Classifi: False
Contact Name: Trudie Duncan
Contact Type: Owner / Operator
Contact Email: trudie.duncan@srsdistribution.com
Contact Work Phone:
Contact 24 Hour Phone: 480-253-1066
Contact Mobile Phone:

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	1317653	***Max Daily Qty:***	24,547
Solid:	True	***Avg Daily Qty:***	15,266
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-03-07(Tier2)
NAICS Code: 444240
Dun Bradstreet Code: 11-736-2452
Chemical Name: LIMESTONE
Hazard Not Otherwise Classifi: False
Contact Name: Trudie Duncan
Contact Type: Owner / Operator
Contact Email: trudie.duncan@srsdistribution.com
Contact Work Phone:
Contact 24 Hour Phone: 480-253-1066
Contact Mobile Phone:

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	57136	***Max Daily Qty:***	140,505
Solid:	True	***Avg Daily Qty:***	72,376
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	

Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	UREA		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		
Contact Work Phone:			
Contact 24 Hour Phone:	480-253-1066		
Contact Mobile Phone:			

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	79210	***Max Daily Qty:***	1,513
Solid:	False	***Avg Daily Qty:***	754
Liquid:	True	***EHS:***	True
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	True		
Corrosive to Metal:	True		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	PEROXYACETIC ACID		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		
Contact Work Phone:			
Contact 24 Hour Phone:	480-253-1066		
Contact Mobile Phone:			

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	2164070	***Max Daily Qty:***	15,922
Solid:	True	***Avg Daily Qty:***	10,067
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-03-07(Tier2)		
NAICS Code:	444240		
Dun Bradstreet Code:	11-736-2452		
Chemical Name:	DIPOTASSIUM ENDOTHALL SALT		
Hazard Not Otherwise Classifi:	False		
Contact Name:	Trudie Duncan		
Contact Type:	Owner / Operator		
Contact Email:	trudie.duncan@srsdistribution.com		
Contact Work Phone:			
Contact 24 Hour Phone:	480-253-1066		
Contact Mobile Phone:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2024 Data

Facility ID:	7441213	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	302 312
CAS No:	7758998	***Max Daily Qty:***	50,158
Solid:	True	***Avg Daily Qty:***	12,652
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	False	***Trade Secret:***	
Mixture:	True	***Max Amt in Lrg Cntr:***	

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-03-07(Tier2)
NAICS Code:	444240
Dun Bradstreet Code:	11-736-2452
Chemical Name:	COPPER SULFATE PENTAHYDRATE
Hazard Not Otherwise Classifi:	False
Contact Name:	Trudie Duncan
Contact Type:	Owner / Operator
Contact Email:	trudie.duncan@srsdistribution.com
Contact Work Phone:	
Contact 24 Hour Phone:	480-253-1066
Contact Mobile Phone:	

10	***1 of1***	***E***	***0.06 / 324.63***	***102.02 / -20***	***CUMBERLAND FARMS #0953 US HWY 441 & BOY SCOUT BLVD PLYMOUTH FL 02021***	***RCRA NON GEN***

Handler ID:	FLD984223917
Generator Status:	N
Recycler Activity?:	NO
Recycler Activity Note:	This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		

Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Additional Handler Summary Details

Source Type:	N	***NAIC 1:***	562998
Seq No:	200612	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20061212	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.690742
In Handler Univ:	N	***Location Longitude:***	-81.547231

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	FL
State Waste Generator:	N
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20161214
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	CUMBERLAND FARMS #0953
Location Street No:	
Location Street1:	US HWY 441 & BOY SCOUT BLVD
Location Street2:	
Location City:	PLYMOUTH
Location State:	FL
Location Zip:	02021
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	JOYCE SCHULTZ
Contact Street No:	777
Contact Street1:	DEDHAM ST
Contact Street2:	
Contact City:	CANTON
Contact State:	MA
Contact Zip:	02021-1402
Contact Country:	US
Contact Phone And Ext:	617-828-4900
Contact Fax:	
Contact Email Address:	

Contact Title: UST COORD
Owner Name: JOYCE SCHULTZ
Owner Type: P
Owner Seq: 1
Operator Name: CUMBERLAND FARMS #0953
Operator Type: P
Operator Seq: 102
Public Notes:

Hazardous Waste Handler Details

Seq No: 200612
Receive Date: 20061212
Handler Name: CUMBERLAND FARMS #0953
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D018
Waste Code Desc: BENZENE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: CUMBERLAND FARMS #0953
Dt Became Current: 19911115
Dt Ended Current: 20061212
Phone:
Source Type: Notification
Street No:
Street1: 777 DEDHAM ST
Street2:
City: CANTON
State: MA
Country: US
Zip: 02021-1402

Owner/Operator Ind: Current Owner
Type: Private
Name: SCHULTZ JOYCE
Dt Became Current: 19961018
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 777 DEDHAM ST
Street2:
City: CANTON
State: MA
Country: US
Zip: 02021-1402

Owner/Operator Ind: Current Owner
Type: Private
Name: JOYCE SCHULTZ
Dt Became Current: 19961018
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 777 DEDHAM ST
Street2:
City: CANTON
State: MA
Country: US
Zip: 02021-1402

Owner/Operator Ind: Current Operator
Type: Private
Name: CUMBERLAND FARMS #0953
Dt Became Current: 19911115
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 777 DEDHAM ST
Street2:
City: CANTON
State: MA
Country: US
Zip: 02021-1402

11	1 of4	WNW	0.07 / 344.98	124.54 / 3	Apopka HERC - 9397 2620 W. Orange Blossom Trail Apopka FL 32712	TIER 2

2020 Data (Filed)

Facility ID:	6685043	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Diesel
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6685043	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	8006619	***Max Daily Qty:***	1,700
Solid:	False	***Avg Daily Qty:***	850
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Gasoline
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6685043	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	

Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:		***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: DEF
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Diesel
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	64742547	***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Hydraulic Fluid
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com
Contact Work Phone: 239.301.1161

Contact 24 Hour Phone:
Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	8006619	***Max Daily Qty:***	3,000
Solid:	False	***Avg Daily Qty:***	1,500
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Gasoline
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	8002059	***Max Daily Qty:***	2,800
Solid:	True	***Avg Daily Qty:***	1,400
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Used Motor Oil
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2022 Data

Facility ID:	7123110	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date: 2022-02-18(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: New Motor Oil
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: Jessica.Blanks@HercRentals.com

Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2023 Data

Facility ID:	7286891	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	2,800
Solid:	True	***Avg Daily Qty:***	1,400
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Used Motor Oil
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2023 Data

Facility ID:	7286891	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Diesel
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2023 Data

Facility ID:	7286891	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: New Motor Oil
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator

Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2023 Data

Facility ID: 7286891
Filing Year: 2022(Tier2)
CAS No: 64742547
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Hydraulic Fluid
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:
Explosive: False
Filing Type: 312
Max Daily Qty: 2,000
Avg Daily Qty: 1,000
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr:

2023 Data

Facility ID: 7286891
Filing Year: 2022(Tier2)
CAS No: 8006619
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: Gasoline
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:
Explosive: False
Filing Type: 312
Max Daily Qty: 3,000
Avg Daily Qty: 1,500
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr:

2023 Data

Facility ID: 7286891
Filing Year: 2022(Tier2)
CAS No:
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
First Submit Date: 2023-02-15(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: DEF
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Explosive: False
Filing Type: 312
Max Daily Qty: 2,000
Avg Daily Qty: 1,000
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr:

Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2024 Data

Facility ID: 7439408
Filing Year: 2023(Tier2)
CAS No:
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Explosive: False
Filing Type: 312
Max Daily Qty: 2,000
Avg Daily Qty: 1,000
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr: 2,000
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-29(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: DEF
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2024 Data

Facility ID: 7439408
Filing Year: 2023(Tier2)
CAS No: 8002059
Solid: False
Liquid: True
Gas: False
Pure: True
Mixture: False
Explosive: False
Filing Type: 312
Max Daily Qty: 1,960
Avg Daily Qty: 980
EHS:
Below Thresholds: True
Trade Secret:
Max Amt in Lrg Cntr: 1,960
Self Heating: False
Organic Peroxide: False
Corrosive to Metal: False
First Submit Date: 2024-02-29(Tier2)
NAICS Code: 532412
Dun Bradstreet Code: 00-556-9314
Chemical Name: New Motor Oil
Hazard Not Otherwise Classifi: False
Contact Name: HERC Rentals Inc.
Contact Type: Owner / Operator
Contact Email: patricia.kammerer@HercRentals.com
Contact Work Phone: 239.301.1161
Contact 24 Hour Phone:
Contact Mobile Phone:

2024 Data

Facility ID: 7439408
Filing Year: 2023(Tier2)
CAS No: 8002059
Solid: True
Liquid: False
Gas: False
Pure: True
Explosive: False
Filing Type: 312
Max Daily Qty: 2,800
Avg Daily Qty: 1,400
EHS:
Below Thresholds: True
Trade Secret:

Mixture:	False	***Max Amt in Lrg Cntr:***	2,800
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Used Motor Oil		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2024 Data

Facility ID:	7439408	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	16,800
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Diesel		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2024 Data

Facility ID:	7439408	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	8006619	***Max Daily Qty:***	3,000
Solid:	False	***Avg Daily Qty:***	1,500
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	3,000
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Gasoline		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2024 Data

Facility ID:	7439408	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	64742547	***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	2,000

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-02-29(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Hydraulic Fluid
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	patricia.kammerer@HercRentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

11	***2 of4***	***WNW***	***0.07 / 344.98***	***124.54 / 3***	***Apopka ProSolutions HERC - 9397 2620 W. Orange Blossom Trail Apopka FL 32712***	***TIER 2***

2020 Data (Filed)

Facility ID:	6685045	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	8006619	***Max Daily Qty:***	1,700
Solid:	False	***Avg Daily Qty:***	850
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Gasolin
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6685045	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314

Chemical Name:	Diesel
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2020 Data (Filed)

Facility ID:	6685045	***Explosive:***	False
Filing Year:	2019(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2020-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844646	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	2,800
Solid:	False	***Avg Daily Qty:***	1,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Used Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844646	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	64742547	***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412

Dun Bradstreet Code:	00-556-9314
Chemical Name:	Hydraulic Fluid
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844646	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	New Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844646	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Diesel
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844646	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	8006619	***Max Daily Qty:***	3,000
Solid:	False	***Avg Daily Qty:***	1,500
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Gasoline
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	3 of4	WNW	0.07 / 344.98	124.54 / 3	Apopka HERC - 9379 2620 W. Orange Blossom Trail Apopka FL 32712	TIER 2

2021 Data

Facility ID:	6844643	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	312
CAS No:	8006619	**Max Daily Qty:**	3,000
Solid:	False	**Avg Daily Qty:**	1,500
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Gasoline
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844643	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	312
CAS No:	8002059	**Max Daily Qty:**	1,960
Solid:	False	**Avg Daily Qty:**	980
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	New Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844643	**Explosive:**	False
Filing Year:	2020(Tier2)	**Filing Type:**	312
CAS No:	68476346	**Max Daily Qty:**	16,800

Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Diesel
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844643	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	64742547	***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Hydraulic Fluid
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2021 Data

Facility ID:	6844643	***Explosive:***	False
Filing Year:	2020(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	2,800
Solid:	True	***Avg Daily Qty:***	1,400
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False		

First Submit Date:	2021-02-26(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Used Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	michelle.cevallos@hercrentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2022 Data

Facility ID:	7123109	***Explosive:***	False
Filing Year:	2021(Tier2)	***Filing Type:***	

CAS No:		**Max Daily Qty:**	2,000
Solid:	False	**Avg Daily Qty:**	1,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	DEF		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2022 Data

Facility ID:	7123109	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	64742547	**Max Daily Qty:**	2,000
Solid:	False	**Avg Daily Qty:**	1,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Hydraulic Fluid		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2022 Data

Facility ID:	7123109	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	8006619	**Max Daily Qty:**	3,000
Solid:	False	**Avg Daily Qty:**	1,500
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Gasoline		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2022 Data

Facility ID:	7123109	**Explosive:**	False

Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	68476346	**Max Daily Qty:**	16,800
Solid:	False	**Avg Daily Qty:**	8,400
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Diesel		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2022 Data

Facility ID:	7123109	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	8002059	**Max Daily Qty:**	2,800
Solid:	True	**Avg Daily Qty:**	1,400
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Used Motor Oil		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2022 Data

Facility ID:	7123109	**Explosive:**	False
Filing Year:	2021(Tier2)	**Filing Type:**	
CAS No:	8002059	**Max Daily Qty:**	1,960
Solid:	False	**Avg Daily Qty:**	980
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False		
First Submit Date:	2022-02-18(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	New Motor Oil		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	Jessica.Blanks@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:	64742547	**Max Daily Qty:**	2,000
Solid:	False	**Avg Daily Qty:**	1,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Hydraulic Fluid		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:	8002059	**Max Daily Qty:**	1,960
Solid:	False	**Avg Daily Qty:**	980
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	New Motor Oil		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:	68476346	**Max Daily Qty:**	16,800
Solid:	False	**Avg Daily Qty:**	8,400
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Diesel		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:	8002059	**Max Daily Qty:**	2,800
Solid:	True	**Avg Daily Qty:**	1,400
Liquid:	False	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Used Motor Oil		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:		**Max Daily Qty:**	2,000
Solid:	False	**Avg Daily Qty:**	1,000
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	DEF		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2023 Data

Facility ID:	7286889	**Explosive:**	False
Filing Year:	2022(Tier2)	**Filing Type:**	312
CAS No:	8006619	**Max Daily Qty:**	3,000
Solid:	False	**Avg Daily Qty:**	1,500
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	
First Submit Date:	2023-02-15(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Gasoline		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	4 of4	WNW	0.07 / 344.98	124.54 / 3	Apopka HERC - 9377 (old 9379) 2620 W. Orange Blossom Trail Apopka FL 32712	TIER 2

2024 Data

Facility ID:	7439404	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:		***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	2,000
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	DEF		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2024 Data

Facility ID:	7439404	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	68476346	***Max Daily Qty:***	16,800
Solid:	False	***Avg Daily Qty:***	8,400
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	16,800
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Diesel		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

2024 Data

Facility ID:	7439404	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	64742547	***Max Daily Qty:***	2,000
Solid:	False	***Avg Daily Qty:***	1,000
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	2,000
Self Heating:	False		

Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-02-29(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Hydraulic Fluid
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	patricia.kammerer@HercRentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2024 Data

Facility ID:	7439404	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	1,960
Solid:	False	***Avg Daily Qty:***	980
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	1,960

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-02-29(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	New Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	patricia.kammerer@HercRentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2024 Data

Facility ID:	7439404	***Explosive:***	False
Filing Year:	2023(Tier2)	***Filing Type:***	312
CAS No:	8002059	***Max Daily Qty:***	2,800
Solid:	True	***Avg Daily Qty:***	1,400
Liquid:	False	***EHS:***	
Gas:	False	***Below Thresholds:***	True
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	2,800

Self Heating:	False
Organic Peroxide:	False
Corrosive to Metal:	False
First Submit Date:	2024-02-29(Tier2)
NAICS Code:	532412
Dun Bradstreet Code:	00-556-9314
Chemical Name:	Used Motor Oil
Hazard Not Otherwise Classifi:	False
Contact Name:	HERC Rentals Inc.
Contact Type:	Owner / Operator
Contact Email:	patricia.kammerer@HercRentals.com
Contact Work Phone:	239.301.1161
Contact 24 Hour Phone:	
Contact Mobile Phone:	

2024 Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	7439404	**Explosive:**	False
Filing Year:	2023(Tier2)	**Filing Type:**	312
CAS No:	8006619	**Max Daily Qty:**	3,000
Solid:	False	**Avg Daily Qty:**	1,500
Liquid:	True	**EHS:**	
Gas:	False	**Below Thresholds:**	True
Pure:	True	**Trade Secret:**	
Mixture:	False	**Max Amt in Lrg Cntr:**	3,000
Self Heating:	False		
Organic Peroxide:	False		
Corrosive to Metal:	False		
First Submit Date:	2024-02-29(Tier2)		
NAICS Code:	532412		
Dun Bradstreet Code:	00-556-9314		
Chemical Name:	Gasoline		
Hazard Not Otherwise Classifi:	False		
Contact Name:	HERC Rentals Inc.		
Contact Type:	Owner / Operator		
Contact Email:	patricia.kammerer@HercRentals.com		
Contact Work Phone:	239.301.1161		
Contact 24 Hour Phone:			
Contact Mobile Phone:			

12	1 of1	WSW	0.07 / 375.51	119.84 / -2	COCA-COLA-PRIVATE TRUCK OPERATION ORANGE ST PLYMOUTH FL 32768	STCS

Facility ID:	8622618	**Clnup Cd (OD):**	
Type:	C - Fuel User/Non-Retail	**Fac Clnup Stat (OD):**	
Status:	Closed	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	CLOSED	**Contam (Map):**	
Fac Code (OD):	C	**Fac Type (Map):**	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	**Fac Stat (Map):**	CLOSED
Fac Name (OD):	COCA-COLA-PRIVATE TRUCK OPERATION		
Address (OD):	ORANGE ST		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	COCA-COLA-PRIVATE TRUCK OPERATION		
Address (Map):	ORANGE ST		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	Orange St		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	11492	**Map Src:**	1999 doqs
X:	-81.55344125	**Map Scale:**	4999
Y:	28.68946483	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	09-Jun-2006	**ALB East:**	638602.33
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522732.06

Ver Meth:	DPHO	**Loc ID:**	16908
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	09-Jun-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	CENTR	**Long MM:**	33
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8622618/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	16908	**Rel Feat:**	CENTR
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	3058861399	**El Units:**	
Operator:	MONTGOMERY,MIKE	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	4999
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638602.33
OOIC:	FACILITY	**Alb North:**	522732.06
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	6/9/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/9/2006	**Long SS:**	
Object ID:	16908		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8622618/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Coca-Cola-Private Truck Operation Orange St Plymouth, FL 32768
LL Method:	DPHO - Unverified
Account Owner:	Coca Cola Foods
Contact:	Montgomery,Mike
Phone:	305-886-1399
District:	CD
County 1:	48 - Orange
Latitude:	28:41:22.0734
Longitude:	81:33:12.3885

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	10000
Content:	Vehicular Diesel
Installed:	07/01/1977
Placement:	UNDER
Status:	Closed In Place
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 4
Size: 20000
Content: Vehicular Diesel
Installed: 07/01/1979
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 3
Size: 30000
Content: Leaded Gas
Installed: 02/01/1984
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 2
Size: 10000
Content: Vehicular Diesel
Installed: 07/01/1977
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

13	1 of1	ESE	0.08 / 396.45	101.31 / -21	Highway 441 and Boy Scout Boulevard APOPKA FL	SPILLS

Incident No: 21129
Incident Type: Inland
Incident Date: 05/28/2002
County: Orange

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 70
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 70
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Vehicle Accident
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of1	W	0.11 / 558.71	120.60 / -1	ENVIROWORKS 2823 ORANGE AVE APOPKA FL 32703-3346	RCRA VSQG

Handler ID: FLT980060016
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	**Used Oil Transpor:**	No
Mixed Waste Gen:	No	**Used Oil Trans Fac:**	No
Transporter:	No	**Used Oil Processor:**	No
Transfer Facility:	No	**Used Oil Refiner:**	No
Recycler:	No	**Used Oil Burner:**	No
Onsite Burner Exem:	No	**Commercial TSD:**	No
Furnace Exemption:	No	**Recycl Nonstorage:**	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	E	**NAIC 1:**	
Seq No:	199804	**NAIC 2:**	
Non Notifier:		**NAIC 3:**	
Receive Date:	19980401	**NAIC 4:**	
Active Site:	H----	**State:**	FL
Land Type:	O	**Location Latitude:**	28.689471
In Handler Univ:	Y	**Location Longitude:**	-81.554935
In A Universe:	Y	**Loc GIS Primary:**	N
Gen Status:	VSG	**Loc GIS Origin:**	AG
Report Cycle:		**State District Owner:**	FL
Accessibility:		**State District:**	CD
Region:	04		

Fed Waste Gen Owner: HQ
State Waste Generator Owner: FL
State Waste Generator: N
Short Term Generator: Y
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N

Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20110623
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	ENVIROWORKS
Location Street No:	2823
Location Street1:	ORANGE AVE
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32703-3346
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	US
Contact Name:	
Contact Street No:	
Contact Street1:	
Contact Street2:	
Contact City:	
Contact State:	
Contact Zip:	
Contact Country:	US
Contact Phone And Ext:	
Contact Fax:	
Contact Email Address:	
Contact Title:	
Owner Name:	
Owner Type:	
Owner Seq:	
Operator Name:	
Operator Type:	
Operator Seq:	
Public Notes:	

Hazardous Waste Handler Details

Seq No:	199804
Receive Date:	19980401
Handler Name:	ENVIROWORKS
Fed Waste Generator:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Emergency

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	*1 of1*	*SW*	*0.12 / 635.10*	*117.43 / -4*	***COCA-COLA NORTH AMERICA*** ***2659 W ORANGE AVE*** ***APOPKA FL 32703-3346***	***RCRA VSQG***

Handler ID:	FLD053393039
Generator Status:	VSG
Recycler Activity?:	NO

Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2025.

Violation Details

Viol Type: 262.A
Citation: GGR:262.11
Determined Date: 19970114
Scheduled Compliance Date: 19970310
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: Generators - General
Actual Rtc Date: 19970311
Found Violation: Yes
Rtc Qualifier: Unverifiable

Enforcement Details

Enf Type: 125
Enf Type Desc: DEP WARNING LETTER
Enf Action Date: 19970226
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: 265.N
Citation: GPT:265.31 :Previous citation: 265.
Determined Date: 19970114
Scheduled Compliance Date: 19970310
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: TSD IS-Landfill Standards
Actual Rtc Date: 19970311
Found Violation: Yes
Rtc Qualifier: Unverifiable

Enforcement Details

Enf Type: 125
Enf Type Desc: DEP WARNING LETTER
Enf Action Date: 19970226
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: XXS
Citation: GPT:403.727(1)
Determined Date: 19970114
Scheduled Compliance Date: 19970310
Eval Activity Location: FL
Viol Determined By Agency: State
Viol Short Desc: State Statute or Regulation
Actual Rtc Date: 19970311
Found Violation: Yes
Rtc Qualifier: Unverifiable

Enforcement Details

Enf Type: 125
Enf Type Desc: DEP WARNING LETTER
Enf Action Date: 19970226
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Evaluation Details

Eval Start Date: 20090323
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 19961004
Eval Type Desc: NON-FINANCIAL RECORD REVIEW
Viol Short Desc: State Statute or Regulation
Actual Rtc Date: 19970311
Eval Agency: State

Eval Start Date: 19961004
Eval Type Desc: NON-FINANCIAL RECORD REVIEW
Viol Short Desc: Generators - General
Actual Rtc Date: 19970311
Eval Agency: State

Eval Start Date: 19961004
Eval Type Desc: NON-FINANCIAL RECORD REVIEW
Viol Short Desc: TSD IS-Landfill Standards
Actual Rtc Date: 19970311
Eval Agency: State

Handler Summary

Importer: No
Mixed Waste Gen: No
Transporter: No
Transfer Facility: No
Recycler: No
Onsite Burner Exem: No
Furnace Exemption: No
Underground Injec: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No
Used Oil Transpor: No
Used Oil Trans Fac: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Commercial TSD: No
Recycl Nonstorage: No

Additional Handler Summary Details

Source Type: N
Seq No: 202402
Non Notifier:
Receive Date: 20240215
Active Site: H----
Land Type: P
In Handler Univ: Y
In A Universe: Y
Gen Status: VSG
Report Cycle:
Accessibility:
NAIC 1: 311411
NAIC 2:
NAIC 3:
NAIC 4:
State: FL
Location Latitude: 28.688643
Location Longitude: -81.552475
Loc GIS Primary: N
Loc GIS Origin: UC
State District Owner: FL
State District: CD

Region:	04
Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	FL
State Waste Generator:	3
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20241220
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	COCA-COLA NORTH AMERICA
Location Street No:	
Location Street1:	2659 W ORANGE AVE
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32703-3346
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	MARK LASALLE
Contact Street No:	
Contact Street1:	2659 ORANGE AVE
Contact Street2:	
Contact City:	APOPKA
Contact State:	FL
Contact Zip:	32703-3346
Contact Country:	US
Contact Phone And Ext:	407-417-7704
Contact Fax:	
Contact Email Address:	MALASALLE@COCA-COLA.COM
Contact Title:	SR MGR ENG
Owner Name:	BOB MATTOX
Owner Type:	P
Owner Seq:	1

Operator Name: COCA-COLA NORTH AMERICA
Operator Type: P
Operator Seq: 102
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19900301
Handler Name: COCA COLA CO PLYMOUTH
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Seq No: 200903
Receive Date: 20090324
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 201002
Receive Date: 20100216
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D007
Waste Code Desc: CHROMIUM

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D011
Waste Code Desc: SILVER

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P050
Waste Code Desc: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P127
Waste Code Desc: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN

Waste Code: U038
Waste Code Desc: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE

Hazardous Waste Handler Details

Seq No: 201310
Receive Date: 20131008
Handler Name: COCA-COLA REFRESHMENTS, BASE PLACE, APOPKA
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D007
Waste Code Desc: CHROMIUM

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D011
Waste Code Desc: SILVER

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN

PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P050
Waste Code Desc: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P127
Waste Code Desc: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN

Waste Code: U038
Waste Code Desc: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE

Hazardous Waste Handler Details

Seq No: 201411
Receive Date: 20141106
Handler Name: COCA-COLA REFRESHMENTS, BASE PLACE, APOPKA
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D007
Waste Code Desc: CHROMIUM

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D011
Waste Code Desc: SILVER

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P050
Waste Code Desc: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P127
Waste Code Desc: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN

Waste Code: U038
Waste Code Desc: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER (OR) CHLOROBENZILATE

Hazardous Waste Handler Details

Seq No: 202212
Receive Date: 20221212
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 202304
Receive Date: 20230424
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT

SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 20240215
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 202402
Receive Date: 20240215
Handler Name: COCA-COLA NORTH AMERICA
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D009
Waste Code Desc: MERCURY

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: BOB MATTOX
Street No:
Street1: 2659 ORANGE AVE
Street2:

Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	BOB MATTOX	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:	407-884-1087	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	19800815	**City:**	APOPKA
Dt Ended Current:	20100326	**State:**	FL
Phone:	407-886-2977	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 W ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	20240215	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	19800815	**City:**	APOPKA
Dt Ended Current:	20100326	**State:**	FL
Phone:	407-886-2977	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	20070619	**City:**	ATLANTA
Dt Ended Current:		**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Notification	**Zip:**	30301-1734
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	BOB MATTOX	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	MATTOX BOB	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:		**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	19800815	**City:**	ATLANTA
Dt Ended Current:		**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Notification	**Zip:**	30301-1734

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 WEST ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	19800815	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip:**	32703-3346

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	COCA-COLA REFRESHMENTS, BASE PLACE, APOP	**Street2:**	
Dt Became Current:	20101010	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-884-1087	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	20070619	**City:**	ATLANTA
Dt Ended Current:	20241018	**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Notification	**Zip:**	30301-1734

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 W ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	20240215	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Notification	**Zip:**	32703-0000

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	19800815	**City:**	ATLANTA
Dt Ended Current:	20101010	**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Implementer	**Zip:**	30301-1734

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	COCA-COLA REFRESHMENTS, BASE PLACE, APOP	**Street2:**	
Dt Became Current:	20101010	**City:**	APOPKA
Dt Ended Current:	20241018	**State:**	FL
Phone:	407-884-1087	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-3346

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	MATTOX BOB	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	20070619	**City:**	ATLANTA
Dt Ended Current:		**State:**	GA
Phone:	407-417-7704	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip:**	30301-1734

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	

Dt Became Current:	20070619	**City:**	ATLANTA
Dt Ended Current:	20241018	**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Implementer	**Zip:**	30301-1734
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	PO BOX 1734
Name:	THE COCA COLA COMPANY	**Street2:**	
Dt Became Current:	19800815	**City:**	ATLANTA
Dt Ended Current:	20101010	**State:**	GA
Phone:	404-676-2121	**Country:**	US
Source Type:	Notification	**Zip:**	30301-1734
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	BOB MATTOX	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:	407-886-2977	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	BOB MATTOX	**Street2:**	
Dt Became Current:	20040825	**City:**	APOPKA
Dt Ended Current:	20070619	**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	2659 W ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	20240215	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Notification	**Zip:**	32703-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 W ORANGE AVE
Name:	COCA-COLA NORTH AMERICA	**Street2:**	
Dt Became Current:	20240215	**City:**	APOPKA
Dt Ended Current:		**State:**	FL
Phone:	407-417-7704	**Country:**	US
Source Type:	Implementer	**Zip:**	32703-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	2659 ORANGE AVE
Name:	COCA-COLA REFRESHMENTS, BASE PLACE, APOP	**Street2:**	
Dt Became Current:	20101010	**City:**	APOPKA
Dt Ended Current:	20241018	**State:**	FL
Phone:	407-884-1087	**Country:**	US
Source Type:	Notification	**Zip:**	32703-3346

Historical Handler Details

Receive Dt:	20240215
Generator Code Description:	Very Small Quantity Generator
Handler Name:	COCA-COLA NORTH AMERICA
Receive Dt:	20230424
Generator Code Description:	Very Small Quantity Generator
Handler Name:	COCA-COLA NORTH AMERICA
Receive Dt:	20221212
Generator Code Description:	Small Quantity Generator
Handler Name:	COCA-COLA NORTH AMERICA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20141106
Generator Code Description: Small Quantity Generator
Handler Name: COCA-COLA REFRESHMENTS, BASE PLACE, APOPKA

Receive Dt: 20131008
Generator Code Description: Small Quantity Generator
Handler Name: COCA-COLA REFRESHMENTS, BASE PLACE, APOPKA

Receive Dt: 20100216
Generator Code Description: Small Quantity Generator
Handler Name: COCA-COLA NORTH AMERICA

Receive Dt: 20090324
Generator Code Description: Small Quantity Generator
Handler Name: COCA-COLA NORTH AMERICA

Receive Dt: 19900301
Generator Code Description: Large Quantity Generator
Handler Name: COCA COLA CO PLYMOUTH

16	1 of1	WNW	0.14 / 715.11	123.03 / 1	DIAMOND FOOD MART 2901 WEST ORANGE BLOSSOM TRAIL APOPKA FL 32712	INST

Facility ID No: STCM-8513126
Site ID: ERIC_7284
Boundary Key: 931
OIC Obj Inter ID: SWIM
VSC1 Verif Stat ID: REVIEWED
Control ID: IC-1147
Begin Date: 6/28/2017
Previous Publish?: Yes
Site WMD: SJRWMD
Site Prog Type Key: PETROLEUM
Site Dep Office: CD
Site ZIP4:

Horizontal Referen: HARN
CMC2 Coord Meth ID: CSUR
PC2 Proximity ID: EXACT
Create User Name: ERIC_INIT_ICR_LOAD
Create Date/Time: 11/29/2018
Modify User Name:
Modify Date/Time:
Collector User Nm: ERIC_INIT_ICR_LOAD
Collection Date: 11/29/2018
Area: 0
Len: 0

Site Name: DIAMOND FOOD MART
All Site Names: DIAMOND FOOD MART
Site Managing Progr: Petroleum Restoration Program
Control Name: DIAMOND FOOD MART
Mechanism Counties: Orange
Mechanism Category: Recorded ICs
Mechanism Types: Interim Restrictive Covenant
Mechanism Book No:
Mechanism Page No: 1-6
Mechanism Instr No:
Mechanism Effec Dt: 28-JUN-17
Restrictions: Groundwater Use, Land Use
Contaminated Media: Groundwater, Soil
Contaminations: Petroleum (Includes BTEX and MTBE)-Legacy
Engineering Controls: None
Site Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_7284/gis-facility!search
Description: GROUNDWATER USE RESTRICTION|LAND USE RESTRICTION
Comments: This is the instrument # which is the same as the Book # 20170361794.

17	1 of1	W	0.15 / 807.89	119.81 / -2	DANCO A.Q. ENTERPRISE 2877 ORANGE AVENUE PLYMOUTH FL 32703	SWF/LF

Facility ID: 24120
Fac Type (Geodata): Solid Waste
Fac Stat (Geodata): Cleanup, Waste Removed
Status Dt (Geodat): 1999/12/16 00:00:00+00
Ownership (Geodat): Private
Zip4 (Geodata):

District: CD
Section: 06
Township: 21S
Range: 28E
County ID (Geodat): 48
County (Geodata): Orange

Zip5 (Geodata):	32703	***County:***	ORANGE
District (Geodata):	CD	***Latitude:***	28:41:32.22
Office (Geodata):	Central District	***Longitude:***	81:33:26.01
Resp Authority:			
RA Address:			
City1:			
RA State:			
Zip1:			
RA Phone No.:			
RA Email:			
Site Supervisor:			
SS Address:			
City 1:			
SS State:			
Zip 1:			
SS Phone No:			
SS Email:			
Land Owner:			
LO Address:			
City 2:			
LO State:			
Zip 2:			
LO Phone No:			

Facility Name (Geodata):	DANCO A.Q. ENTERPRISE
Address (Geodata):	2877 ORANGE AVENUE
City (Geodata):	Plymouth
Documents (Geodata):	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/24120/gis-facility!search
Reports (Geodata):	https://fldep.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Inventory_res2.asp?wacsid=24120
Info Portal Facility URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=24120
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=24120&CAT=8
Data Source:	Solid Waste Facility Inventory Report; Florida DEP Geospatial Open Data

Class details

Class:	WASTE TIRE SITE, UNAUTHORIZED
Class Status:	CLEANUP, WASTE REMOVED (C)

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest:	Facility	***Lat DD:***	28
Accuracy Level:	3	***Lat MM:***	41
Accuracy:	1.1 - 10 meters	***Lat SS:***	
QA Status:	Not Reviewed	***Long DD:***	81
Datum ID:	NAD83	***Long MM:***	33
X:	638226.835499821	***Long SS:***	
Y:	523037.628900344		
Class:			
Class Status:			
Proximity ID:			
Coord Method ID:	Digital Aerial Photography		

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest:	General Disposal Area	***Lat DD:***	28
Accuracy Level:	4	***Lat MM:***	41
Accuracy:	11 - 20 meters	***Lat SS:***	
QA Status:	Reviewed	***Long DD:***	81
Datum ID:	NAD83	***Long MM:***	33
X:	638226.835499821	***Long SS:***	
Y:	523037.628900344		
Class:	WASTE TIRE SITE, UNAUTHORIZED		
Class Status:	Cleanup, Waste Removed		
Proximity ID:	Center of site or facility containing feature location		
Coord Method ID:	Digital Aerial Photography		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	1 of1	SE	0.18 / 944.45	97.71 / -24	Gator Growers Nursery 27 N Binion Road APOPKA FL 32703	FED BROWNFIELDS

Property ID: 251643
Lat Measure: 28.682691994441058
Long Measure: -81.54554001127627
Property Name: Gator Growers Nursery
Address: 27 N Binion Road
City: APOPKA
State: FL
Zip Code: 32703
Primary Name (Map): GATOR GROWERS NURSERY
Location Address (Map): 27 N BINION ROAD
City Name (Map): APOPKA
County Name (Map): ORANGE
State Code (Map): FL
Postal Code (Map): 32703
Data Source: Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties (as of 19 Feb 2025); Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map) (as of 4 Feb 2024)

County: ORANGE
Latitude (Map): 28.6826919944
Longitude (Map): -81.5455400113

Property Details (Cleanups in My Community)

ID No:
NFA Letter Date:
Media Affected: Building Materials Ground Water Soil
Media Cleaned Up:
Contaminants REC: Asbestos Pesticides SVOCs
Contams Actionable: Asbestos Other Metals Pesticides SVOCs
Contams < Actionble:
Contamnts Cleanup:
Tanks Removal:
Cleanup Needed: Y
Cleanup Treatment:
Excavation Disposl:
Contams Extractn:
Reduc Contams:
Additional Clnup:
Institutional Cleanup:
Institutional Cleanup:
Engineering Needed:
Eng Control:
Additnl Inst Control:
Additnl Eng Control:
Inst Control Date:
Eng Control Date:
Property Alias:
Property Owner: Private
Address Source URL:
Address Source URL:
Address Source URL:
Other:

Size Acres: 20.
Parcel No: 07-21-28-0000-00-009
Property Enrolled:
Radius: .5
Census Tract: 12095017810
2010 # Below Poverty: 61.
2010 Below Poverty: 9.31
2010 Median Income: 1996.
2010 No Low Income: 164.
2010 Low Income: 25.04
2010 No Vacant Hous: 21.
2010 Vacant Housing: 8.81
2010 # Unemployed: 47.
2010 Unemployed: 7.18
Tech Capping:
Secur Guard Fence:
Immobilization:
Eng Barriers:
Proprietary Cntrl:
Info Device:
Govt Cntrl:
Enf Permit Tool:
Clnup Struct Remov:

Activity Details(Cleanups in My Community)

Coop Agmt No: 02D07021
Program Name: BF
Activity Funded: Phase I Environmental Assessment
Type CA Fund:
Funding Entity: EPA
Assessmnt Start Dt: 02/01/2022
Assessmnt Compl Dt: 02/23/2022
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:

Redev Actvy Funded: Phase II ESA, SSQAPP, Asbestos Survey, GPR
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:

Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:		***Subgrant Cost Shr:***	
Past Use Commercial:	20.		
Coop Agmt Recipnt:	East Central Florida Regional Planning Council Inc		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			
Climate Adaptation And Mitigat:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	02D07021	***Redev Actvy Funded:***	Phase II ESA, SSQAPP, Asbestos Survey, GPR
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:		***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:		***Subgrant Cost Shr:***	
Past Use Commercial:	20.		
Coop Agmt Recipnt:	East Central Florida Regional Planning Council Inc		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			
Climate Adaptation And Mitigat:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	02D07021	***Redev Actvy Funded:***	Phase I Environmental Assessment
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase I Environmental Assessment	***Redev Compl date:***	
Type CA Fund:		***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	
Assessmnt Start Dt:	02/01/2022	***Redev Greenspace:***	
Assessmnt Compl Dt:	02/23/2022	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	

Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Past Use Commercial: 20.
Coop Agmt Recipnt: East Central Florida Regional Planning Council Inc
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:
Climate Adaptation And Mitigat:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:

Activity Details(Cleanups in My Community)

Coop Agmt No: 02D07021
Program Name: BF
Activity Funded: Phase II ESA, SSQAPP, Asbestos Survey, GPR
Type CA Fund:
Funding Entity: EPA
Assessmnt Start Dt: 03/07/2022
Assessmnt Compl Dt: 06/17/2022
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Past Use Commercial: 20.
Coop Agmt Recipnt: East Central Florida Regional Planning Council Inc
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:
Climate Adaptation And Mitigat:
Redev Actvy Funded: Phase II ESA, SSQAPP, Asbestos Survey, GPR
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:

Activity Details(Cleanups in My Community)

Coop Agmt No: 02D07021
Program Name: BF
Activity Funded:
Type CA Fund:
Funding Entity:
Assessmnt Start Dt:
Assessmnt Compl Dt:
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Past Use Commercial: 20.
Redev Actvy Funded: Phase I Environmental Assessment
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:

Coop Agmt Recipnt: East Central Florida Regional Planning Council Inc
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:
Climate Adaptation And Mitigat:

Activity Details(Cleanups in My Community)

Coop Agmt No: 02D07021
Program Name: BF
Activity Funded: Phase II ESA, SSQAPP, Asbestos Survey, GPR
Type CA Fund:
Funding Entity: EPA
Assessmnt Start Dt: 03/07/2022
Assessmnt Compl Dt: 06/17/2022
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Past Use Commercial: 20.
Redev Actvy Funded: Phase I Environmental Assessment
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:

Coop Agmt Recipnt: East Central Florida Regional Planning Council Inc
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:
Climate Adaptation And Mitigat:

Activity Details(Cleanups in My Community)

Coop Agmt No: 02D07021
Program Name: BF
Activity Funded:
Type CA Fund:
Funding Entity:
Assessmnt Start Dt:
Assessmnt Compl Dt:
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Past Use Commercial: 20.
Redev Actvy Funded: Phase II ESA, SSQAPP, Asbestos Survey, GPR
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:

Coop Agmt Recipnt: East Central Florida Regional Planning Council Inc
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:
Climate Adaptation And

Mitigat:

Activity Details(Cleanups in My Community)

Coop Agmt No:	02D07021	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:		**Redev Compl date:**	
Type CA Fund:		**Redev Fund Entity:**	
Funding Entity:		**Redev Residential:**	
Assessmnt Start Dt:		**Redev Greenspace:**	
Assessmnt Compl Dt:		**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	20.		
Coop Agmt Recipnt:	East Central Florida Regional Planning Council Inc		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			
Climate Adaptation And Mitigat:			

Brownfields Details

Registry I:	110071262495	**SF El He C:**	
EPA ID:		**SF IC Ind:**	
EPA Region:	04	**SF NPL Cod:**	
Cat No:		**SF NPL C 1:**	
RCRA Handl:		**FF SF Ind:**	
RCRA Curre:		**Map Symbol:**	B
RCRA Remed:		**Data Refre:**	04-Feb-2024
RCRA Const:		**New Site:**	
RCRA El He:		**BF RLF Gra:**	
RCRA El Gm:		**BF RLF Pil:**	
RCRA Rem 1:		**BF Assess :**	
RCRA Ec Gw:		**BF Cleanup:**	
RCRA Ec Ng:		**BF Tba Ind:**	
RCRA IC Ep:		**BF 128a In:**	
RCRA IC Gc:		**BF IC Code:**	U
RCRA IC ID:		**BF IC Gc I:**	U
RCRA IC Pr:		**BF IC Ep I:**	U
FF RCRA In:		**BF IC ID I:**	U
RCRA Ec Co:		**BF IC Pr I:**	U
RCRA IC Co:		**BF Assess1:**	Y
RCRA Gpra :		**BF Multipu:**	
RCRA Rem 2:		**BF Awp Ind:**	
RCRA Dru 1:		**BF Showcas:**	
SF Site ID:		**BF 128a P :**	
SF Ec Ind:		**Congressio:**	
SF El Gm C:		**Stimulus B:**	
Ind Name:			
Cat Name:			
Sub Name:			
Primary Name:	GATOR GROWERS NURSERY		
RCRA Drupa:			
Repow Ref :			
Url:	https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

PROPERTY_ID&val1=%22251643.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page

Census Url: https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-81.5455400112763%2C28.6826919944411&feattype=point&radius=1.0

ACS Url: https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-81.5455400112763%2C28.6826919944411&feattype=point&radius=1.0

SAA Site:
Sf Brac Ty:
Sf Archive:
Sf Ffdocke:
Sf Npl C 3:
Sf Npl C 2:
Sf Npl C 1:
SF Site Na:
SF Non N 1:
SF Non N 2:
SF Non N 3:
SF Non Npl:
BF Prope 1: Gator Growers Nursery
RCRA Han 1:
RCRA Rau I:
REPOW BF:
REPOW Re 1:
REPOW Ref1:

19	1 of9	WNW	0.19 / 992.09	122.36 / 0	DIAMOND FOOD MART 2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	UST

Facility ID:	8513126	***County Name:***	ORANGE
Facility Status:	OPEN	***Lat/Long Method:***	
Facility Type:	A	***Lat DD:***	28
Type Desc:	Retail Station	***Lat MM:***	41
Facility Phone:	8009898292	***Lat SS:***	37
Dep Co:	P	***Long DD:***	81
Owner ID:	58361	***Long MM:***	33
Owner Phone:	3212887717	***Long SS:***	22

Owner: STAR PLUS PETRO INC
Owner Address1: 380 COMMERCE PKWY
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City: ROCKLEDGE
Owner State: FL
Owner Zip 5: 32955
Contact: RAJ SHAH
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8513126&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8513126
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/facility!search

Tanks

Tank ID: T2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	01-JUN-1998	***Capacity:***	8000
Install:	01-JUL-1983	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Tanks

Tank ID: 4

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:	01-JUN-1998	***Capacity:***	10000
Install:	01-JUN-1998	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Piping

Pipe Description:	J-Pressurized piping system
Pipe Description:	K-Dispenser liners
Pipe Description:	N-Approved synthetic material
Pipe Description:	M-Double wall - pipe jacket

Monitoring

Monitoring Desc:	L-Automatic tank gauging - USTs
Monitoring Desc:	3-Electronic monitor pipe sumps
Monitoring Desc:	F-Monitor dbl wall tank space
Monitoring Desc:	H-Mechanical line leak detector
Monitoring Desc:	4-Visual inspect dispenser liners
Monitoring Desc:	1-Continuous electronic sensing
Monitoring Desc:	K-Monitor dbl wall pipe space
Monitoring Desc:	2-Visual inspect pipe sumps

Tank Construction

Cons Desc:	Fiberglass clad steel
Cons Desc:	Flow shut-Off
Cons Desc:	Double wall
Cons Desc:	Spill containment bucket
Cons Desc:	Tight fill

Tanks

Tank ID:	5

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:	01-JUN-1998	***Capacity:***	8000
Install:	01-JUN-1998	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Piping

Pipe Description: K-Dispenser liners

Pipe Description: M-Double wall - pipe jacket

Pipe Description: N-Approved synthetic material

Pipe Description: J-Pressurized piping system

Monitoring

Monitoring Desc: K-Monitor dbl wall pipe space

Monitoring Desc: 3-Electronic monitor pipe sumps

Monitoring Desc: H-Mechanical line leak detector

Monitoring Desc: L-Automatic tank gauging - USTs

Monitoring Desc: 4-Visual inspect dispenser liners

Monitoring Desc: 2-Visual inspect pipe sumps

Monitoring Desc: F-Monitor dbl wall tank space

Monitoring Desc: 1-Continuous electronic sensing

Tank Construction

Cons Desc: Fiberglass clad steel

Cons Desc: Spill containment bucket

Cons Desc: Flow shut-Off

Cons Desc: Double wall

Cons Desc: Tight fill

Tanks

Tank ID: T1

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 01-JUN-1998
Install: 01-JUL-1983
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 8000
Place: UNDERGROUND
Con desc: Unleaded Gas

Tanks

Tank ID: T3

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date: 01-JUN-1998
Install: 01-JUL-1983
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 8000
Place: UNDERGROUND
Con desc: Unleaded Gas

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	2 of9	WNW	0.19 / 992.09	122.36 / 0	DIAMOND FOOD MART 2901 W ORANGE BLOSSOM TRL 2901 W US HWY 441 APOPKA FL 32712	LST

Facility ID: 8513126
Facility Name: DIAMOND FOOD MART
Facility Address: 2901 W ORANGE BLOSSOM TRL
Facility Address2: 2901 W US HWY 441
Facility City: APOPKA
County: ORANGE
Facility State: FL
Facility Zip: 32712
Facility Type: A - Retail Station
Facility Status: OPEN
Facility ID (Map): 8513126
Fac Name (Map): DIAMOND FOOD MART
Fac Address (Map): 2901 W ORANGE BLOSSOM TRL
City (Map): APOPKA
County (Map): ORANGE
Fac Zip (Map): 32712
Latitude (Map): 28.6934686388918
Longitude (Map): -81.5560141944465
Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8513126&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8513126
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/facility!search
Data Source: STCM Database Reports -Historical Contaminated Facilities List; FDEP-Geospatial Open Data - Petroleum Contamination Monitoring (PCTS) Discharges (Map); STCM Database Reports - Contaminated Facilities List; STCM Database Queries - Petroleum Cleanup Funding CAP To Date Report; STCM Database Queries - Contactors Assigned To Work Orders; Commonly Requested Reports - All Open Discharges.; STCM Public Reports-Tank Facility - Discharge Information; Commonly Requested Reports - All Eligible Discharges.

Discharge Cleanup Summary

Discharge Date: 9/14/1995
Cleanup Required: Z - OTHER
Dschrg Clnup Status: RA - RA ONGOING
Dschrg Clnup Stat Dt: 10/12/2004
Cleanup Work Stat: ACTIVE
Information Source: D - DISCHARGE NOTIFICATION
Eligib Indicator: E - ELIGIBLE
Site Manager: TAYLOR_DT
Site Manager End Dt:
Tank Office: PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV

Contaminated Media

Contaminated Drinking Wells:
Contaminated Mntring Wells:
Contaminated Soil:
Contaminated Surface Water:
Contaminated Ground Water:
Pollutant: B - Unleaded Gas
Other Description:
Gallons Discharged:

Petroleum Cleanup Program Eligibility

Cleanup Program: P - PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM
Eligibility Status: PARTIAL
Rank: 471
Cap Amount: $400,000.00

Task Info

SA Task ID: 81101
SA Cleanup Resp: -
SA Actual Cost:
SA Complete Date:
SA Payment Date:
SR Task ID:
SR Cleanup Resp: -
SR Actual Cost:
SR Complete Date:
SR Payment Date:
SR Oral Date:
SR Soil Treatment:
SR Other Treatment:
SR Alt Proc Rec:
RAP Task ID: 78174
RAP Clean Resp ID: -
RAP Actual Cost:
RAP Complete Date:
RAP Payment Date:
RAP Last Ord Appr:
RA Task ID: 77786
RA Cleanup Resp: -

SR Written Date:		***RA Yrs to Complete:***	
SR Soil Removal:		***RA Actual Cost:***	
SR Free Prod Rmvl:		***Tank Office:***	PCLP48 - Orange County
SR Soil Ton Remove:			
SR Fund Elig Type:	-		
SA Fund Elig Type:	-		
RAP Fund Elig Type:	-		
RA Fund Elig Type:	-		
SR Alternate Procedure Status:			
SR Alt Procedure Status Dt:			
SR Alt Procedure Comment:			
SRC Action Type:	-		
SRC Submit Date:			
SRC Review Date:			
SRC Complete Status:	-		
SRC Comp Status Dt:			
SRC Issue Date:			
SRC Comments:			

Discharge Cleanup Summary

Discharge Date:	7/2/1990	***Information Source:***	D - DISCHARGE NOTIFICATION
Cleanup Required:	R - CLEANUP REQUIRED	***Eligib Indicator:***	E - ELIGIBLE
Dschrg Clnup Status:	RA - RA ONGOING	***Site Manager:***	TAYLOR_DT
Dschrg Clnup Stat Dt:	10/12/2004	***Site Manager End Dt:***	
Cleanup Work Stat:	ACTIVE		
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		

Contaminated Media

Contaminated Drinking Wells:	0
Contaminated Mntring Wells:	NO
Contaminated Soil:	YES
Contaminated Surface Water:	NO
Contaminated Ground Water:	YES
Pollutant:	B - Unleaded Gas
Other Description:	
Gallons Discharged:	

Petroleum Cleanup Program Eligibility

Cleanup Program:	C - PETROLEUM CLEANUP PARTICIPATION PROGRAM
Eligibility Status:	ELIGIBLE
Rank:	471
Cap Amount:	$400,000.00

Task Info

SA Task ID:	65556	***SR Soil Treatment:***	Yes
SA Cleanup Resp:	-	***SR Other Treatment:***	
SA Actual Cost:		***SR Alt Proc Rec:***	
SA Complete Date:		***RAP Task ID:***	76519
SA Payment Date:		***RAP Clean Resp ID:***	-
SR Task ID:	19882	***RAP Actual Cost:***	
SR Cleanup Resp:	RP - RESPONSIBLE PARTY	***RAP Complete Date:***	
SR Actual Cost:		***RAP Payment Date:***	
SR Complete Date:	07-07-1990	***RAP Last Ord Appr:***	
SR Payment Date:		***RA Task ID:***	75791
SR Oral Date:		***RA Cleanup Resp:***	-
SR Written Date:	08-05-1991	***RA Yrs to Complete:***	
SR Soil Removal:	Yes	***RA Actual Cost:***	
SR Free Prod Rmvl:	Yes	***Tank Office:***	PCLP48 - Orange County
SR Soil Ton Remove:	21		
SR Fund Elig Type:	-		

SA Fund Elig Type:	-
RAP Fund Elig Type:	-
RA Fund Elig Type:	-
SR Alternate Procedure Status:	
SR Alt Procedure Status Dt:	
SR Alt Procedure Comment:	
SRC Action Type:	-
SRC Submit Date:	
SRC Review Date:	
SRC Complete Status:	-
SRC Comp Status Dt:	
SRC Issue Date:	
SRC Comments:	

Petroleum Cleanup Funding Cap Encumbrance to Date

FCFS:	$0.00
LPSPASM:	$0.00
SPASM:	$0.00
NPDES:	$0.00
Utility 1 Time Payments:	$1,108.14
All Wo Ta Co Pos Encumbered:	$506,493.87
Wo Ta Co Pos Exclu from Cap:	$0.00
Ttl Amnt Encumbered to Date:	$507,602.01
Ttl Amnt Encumbered Towar:	$507,602.01

Petroleum Cleanup PCT Facility Score

Related Party ID:	58361
RP Contact:	RAJ SHAH
Facility Cleanup Status:	ONGO - ONGOING
Bad Address Indicator:	N
Rank:	471

Contract

Contractor:	PROFESSIONAL SERVICE INDUSTRIES, INC.
Score:	66
Facility Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
ZIP:	32712
District:	CD
County ID:	48
County:	ORANGE
Rank:	471

Discharge Info (Map)

Discharge:	8428	***Facility Status:***	OPEN
Discharge 1:	14-Sep-1995	***Staff Assi:***	TAYLOR_DT
Discharge 2:	66	***Eligibility:***	ELIGIBLE
Discharge 3:	RA	***Eligibility 1:***	PLIRP
Disch Clea:	12-Oct-2004	***Rel Feat:***	EXACT
General Cl:	WORK UNDERWAY	***Collection:***	DPHO
Lat Dd:	28	***Collector :***	WILLIAMS_CA
Lat Mm:	41	***Collecti 1:***	04-Oct-2022
Lat Ss:		***Report Pha:***	RA
Long Dd:	81	***Report Sub:***	RAP
Long Mm:	33	***Report S 1:***	08-Dec-2022
Long Ss:			
Tank Offic:	ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/facility!search		

Discharge Info (Map)

Discharge:	8429	***Facility Status:***	OPEN
Discharge 1:	02-Jul-1990	***Staff Assi:***	TAYLOR_DT
Discharge 2:	66	***Eligibility:***	ELIGIBLE
Discharge 3:	RA	***Eligibility 1:***	PCPP
Disch Clea:	12-Oct-2004	***Rel Feat:***	EXACT
General Cl:	WORK UNDERWAY	***Collection:***	DPHO
Lat Dd:	28	***Collector :***	WILLIAMS_CA
Lat Mm:	41	***Collecti 1:***	04-Oct-2022
Lat Ss:		***Report Pha:***	RA
Long Dd:	81	***Report Sub:***	RAP
Long Mm:	33	***Report S 1:***	08-Dec-2022
Long Ss:			
Tank Offic:	ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/facility!search		

Open Discharges

Program:	PLIRP
Eligibility:	PARTIAL
Elig Letter Sent:	1/25/1996
Discharge Date:	9/14/1995
Score:	66
Facility:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
State:	FL
Zip:	32712
County ID:	48
County:	ORANGE

Open Discharges

Program:	PCPP
Eligibility:	ELIGIBLE
Elig Letter Sent:	10/25/1996
Discharge Date:	7/2/1990
Score:	66
Facility:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
State:	FL
Zip:	32712
County ID:	48
County:	ORANGE

AST UST Discharges

Dep Co:	P	***Long MM:***	33
CU Req:	R	***Long SS:***	22
Score:	66	***Stat Desc:***	RA ONGOING
Descrip:	CLEANUP REQUIRED	***Fac Name:***	DIAMOND FOOD MART
Discharge Date:	02-Jul-90	***Fac Type:***	A
Score Date:	29-Jan-10	***Type Desc:***	Retail Station
Stat Date:	12-Oct-04	***Fac Addr:***	2901 W ORANGE BLOSSOM TRL
LL Meth:	AGPS	***Fac City:***	APOPKA
Lat DD:	28	***Fac Zip:***	32712
Lat MM:	41	***County:***	48
Lat SS:	37	***Fac State:***	OPEN
Long DD:	81	***Fac Phone:***	8009898292
Prg Desc:	PETROLEUM CLEANUP PARTICIPATION PROGRAM		

AST UST Discharges

Dep Co:	P	***Long MM:***	33
CU Req:	Z	***Long SS:***	22
Score:	66	***Stat Desc:***	RA ONGOING
Descrip:	OTHER	***Fac Name:***	DIAMOND FOOD MART
Discharge Date:	14-Sep-95	***Fac Type:***	A
Score Date:	29-Jan-10	***Type Desc:***	Retail Station
Stat Date:	12-Oct-04	***Fac Addr:***	2901 W ORANGE BLOSSOM TRL
LL Meth:	AGPS	***Fac City:***	APOPKA
Lat DD:	28	***Fac Zip:***	32712
Lat MM:	41	***County:***	48
Lat SS:	37	***Fac State:***	OPEN
Long DD:	81	***Fac Phone:***	8009898292
Prg Desc:	PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM		

Eligible Discharges

Program:	PLIRP
Current Status:	ACTIVE
Discharge Date:	9/14/1995
Score:	66
Facility:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
Zip:	32712
County:	ORANGE
Owner:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner City:	ROCKLEDGE
Owner State:	FL
Owner Zip:	32955
Owner Phone:	(321)288-7717
Owner Email:	

Eligible Discharges

Program:	PCPP
Current Status:	ACTIVE
Discharge Date:	7/2/1990
Score:	66
Facility:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
Zip:	32712
County:	ORANGE
Owner:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner City:	ROCKLEDGE
Owner State:	FL
Owner Zip:	32955
Owner Phone:	(321)288-7717
Owner Email:	

Historical Contaminated Facilities List

Facility ID:	8513126	***Score:***	66
Facility Status:	OPEN	***Score Effective Dt:***	1/29/2010
Facility Type:	A - Retail Station	***Score When Ranked:***	78
Facility Name:	DIAMOND FOOD MART	***Rank:***	471
Address1:	2901 W ORANGE BLOSSOM TRL	***Operator:***	AET COMPLIANCE | EXT 146
Address2:	2901 W US HWY 441	***Phone:***	(800)989-8292
City:	APOPKA	***Section:***	
County Name:	ORANGE	***Township:***	
County:	48	***Range :***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District:	CD	**Pri Related Party ID:**	58361
State :	FL	**Primary Rp Role:**	ACCOUNT OWNER
Zip5:	32712	**Rp Begin Date:**	4/3/2014
Zip4:		**Rp Name:**	STAR PLUS PETRO INC
Name Changed:	4/3/2014	**Rp Address1:**	380 COMMERCE PKWY
Addr Changed:	4/3/2014	**Rp Address2:**	ATTN: STORAGE TANK REGIS
Lat Dd:	28	**Rp City:**	ROCKLEDGE
Lat Mm:	41	**Rp State:**	FL
Lat Ss:	36.4871	**Rp Zip5:**	32955
Long Dd:	81	**Rp Zip4:**	
Long Mm:	33	**Contact:**	RAJ SHAH
Long Ss:	21.6511	**Rp Phone:**	(321)288-7717
Feature:		**Rp Phone Extension:**	
Method:	AGPS	**Rp Bad Addr Ind:**	No
Datum:	0		

Contaminated Facilities List

Facility ID:	8513126	**Score:**	66
Facility Status:	OPEN	**Score Effective Dt:**	1/29/2010
Facility Type:	A - Retail Station	**Score When Ranked:**	78
Facility Name:	DIAMOND FOOD MART	**Rank:**	471
Address1:	2901 W ORANGE BLOSSOM TRL	**Operator:**	AET COMPLIANCE | EXT 146
Address2:	2901 W US HWY 441	**Phone:**	(800)989-8292
City:	APOPKA	**Section:**	
County Name:	ORANGE	**Township:**	
County:	48	**Range :**	
District:	CD	**Pri Related Party ID:**	58361
State :	FL	**Primary Rp Role:**	ACCOUNT OWNER
Zip5:	32712	**Rp Begin Date:**	4/3/2014
Zip4:		**Rp Name:**	STAR PLUS PETRO INC
Name Changed:	4/3/2014	**Rp Address1:**	380 COMMERCE PKWY
Addr Changed:	4/3/2014	**Rp Address2:**	ATTN: STORAGE TANK REGIS
Lat Dd:	28	**Rp City:**	ROCKLEDGE
Lat Mm:	41	**Rp State:**	FL
Lat Ss:	36.4871	**Rp Zip5:**	32955
Long Dd:	81	**Rp Zip4:**	
Long Mm:	33	**Contact:**	RAJ SHAH
Long Ss:	21.6511	**Rp Phone:**	(321)288-7717
Feature:		**Rp Phone Extension:**	
Method:	AGPS	**Rp Bad Addr Ind:**	No
Datum:	0		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	3 of9	WNW	0.19 / 992.09	122.36 / 0	HEY RAM 2901 W US HWY 441 APOPKA FL 32712	DEL CONTAM SITE

Prgm Site ID:	8513126	**Record Date:**	30-SEP-2013
Remedi Status:	ACTIVE	**County:**	ORANGE
Priority Score:	66	**Method:**	DGPS
Program Area:	Petroleum	**Datum:**	WGS84
Program Eligible:	Y	**Lat DD:**	28
Ineligible:		**Lat MM:**	41
Offsite Contam:	Y	**Lat SS:**	36.562
Dt Known Offsite:		**Long DD:**	81
Proj Manager:	THORNTON_K	**Long MM:**	33
Office District:	PCLP48	**Long SS:**	21.4387
Original Source:	CS		
Record Date:	30-SEP-2013		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	4 of9	WNW	0.19 / 992.09	122.36 / 0	DIAMOND OIL 2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	WELL SURVEILLANCE

Facility ID:	8513126	**County:**	ORANGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Project ID:	SUPER	**Longitude:**	-81.555972
Req No:		**Latitude:**	28.693478
Loc ID:	210241	**GPS Date:**	10/27/2009
GPS ID:	210241	**Datum:**	WS1984
Type:	PETROLEUM	**Software:**	
Insp CHD:	DCEH	**Streetside:**	
HAE:		**Agency:**	DOH
Loc Method:	DPHO - Georeferenced Aerial Photograph		
Insp F Name:	WILLIAM		
Insp L Name:	MEARS		
Comment:			

19	5 of9	WNW	0.19 / 992.09	122.36 / 0	DIAMOND FOOD MART 2901 W ORANGE BLOSSOM TRL APOPKA FL 32712	DWM CONTAM

Facility ID:	8513126	**Contact:**	
Site ID:	8513126	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:	A	**RP Begin Date:**	
Stcm Facility Type:	A	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	DIAMOND FOOD MART		
Description:	Retail Station		

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:	66	**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	AGPS
Site Manager:	TAYLOR_DT	**Lat DD:**	28
Discharge Date:	07/02/1990	**Lat MM:**	41
Discharge Eligibil:	E	**Lat SS:**	37
Eligibility Progrm:	PCPP	**Long DD:**	81
Cleanup Status:	OPEN-STCM	**Long MM:**	33
Closure Type:		**Long SS:**	22
Closure Date:			

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:	66	**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	AGPS
Site Manager:	TAYLOR_DT	**Lat DD:**	28
Discharge Date:	09/14/1995	**Lat MM:**	41

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Discharge Eligibil:	E	**Lat SS:**	37	
Eligibility Progrm:	PLIRP	**Long DD:**	81	
Cleanup Status:	OPEN-STCM	**Long MM:**	33	
Closure Type:		**Long SS:**	22	
Closure Date:				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	6 of9	WNW	0.19 / 992.09	122.36 / 0	DIAMOND OIL 2901 W US HWY 441 PLYMOUTH FL 32768	DWM CONTAM

Facility ID:	8513126	**Contact:**	
Site ID:		**Phone:**	
Program Area:	Petroleum	**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:		**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:		**RP Address1:**	
District:		**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	ORANGE	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:			
Description:			

Program Details

Facility Status:	WAITING	**Staff Assigned:**	
Offsite Contam:	Y	**Priority:**	
Priority Score:	31	**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:	Y	**District:**	PCLP48
Ineligible:		**Datum:**	WGS84
Program Area:		**Method:**	DGPS
Site Manager:		**Lat DD:**	28
Discharge Date:		**Lat MM:**	41
Discharge Eligibil:		**Lat SS:**	36.562
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:		**Long MM:**	33
Closure Type:		**Long SS:**	21.4387
Closure Date:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	7 of9	WNW	0.19 / 992.09	122.36 / 0	HEY RAM 2901 W US HWY 441 APOPKA FL 32712	DWM CONTAM

Facility ID:	8513126	**Contact:**	
Site ID:		**Phone:**	
Program Area:	Petroleum	**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:		**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:		**RP Address1:**	
District:		**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	ORANGE	**RP Zip4:**	
Range:		**RP Phone:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Rank:
Operator:
Name Changed:
Addr Changed:
Facility Name:
Description:
RP Extension:
RP Bad Addr Ind:
RP Name:

Program Details

Facility Status: ACTIVE
Offsite Contam: Y
Priority Score: 66
Project Coordinato: THORNTON_K
Program Eligible: Y
Ineligible:
Program Area:
Site Manager:
Discharge Date:
Discharge Eligibil:
Eligibility Progrm:
Cleanup Status:
Closure Type:
Closure Date:
Staff Assigned:
Priority:
Score Effective Dt:
Score When Ranked:
District: PCLP48
Datum: WGS84
Method: DGPS
Lat DD: 28
Lat MM: 41
Lat SS: 36.562
Long DD: 81
Long MM: 33
Long SS: 21.4387

19	8 of9	WNW	0.19 / 992.09	122.36 / 0	**DIAMOND FOOD MART** **2901 WEST ORANGE BLOSSOM TRAIL** **APOPKA FL 32712**	ERIC

Eric ID: ERIC_7284
Site Status: OPEN
Source Facility ID: 8513126
District: CD
WMD: SJRWMD
ICR Indicator: YES
Discharge Date Dt:
Method ID: DGPS
Object of Interest: FACIL
Proximit to Object: EXACT
Collector Username: ERIC_ICR_INIT_LOAD
Collect Date Dt: 2004-01-16 13:53:34 UTC
Map Source: 1999 doqs
Map Source Scale: 5000
Intrpolation Scale:
Coord Accuracy ID: 3
Site Phase Dsc: Phase 2 - Full Assessment
Site Name: DIAMOND FOOD MART
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_7284/gis-facility!search
Offste Contami Key: CONTAMUNKNOWN
Se Anno Cad Data:
State: FL
County Name: Orange
County ID: 48
Datum ID: WGS84
Geometry:
X: -81.5559577846216
Y: 28.693492821283726
Lat DD: 28
Lat MM: 41
Lat SS: 36.562
Long DD: 81
Long MM: 33
Long SS: 21.4387
Gis Albx: 638347.74
Gis Alby: 523174.37

Program Details

Program: Petroleum Restoration Program
Program Type: PETROLEUM
Program Status: ACTIVE
Site Manager:

19	9 of9	WNW	0.19 / 992.09	122.36 / 0	**DIAMOND FOOD MART** **2901 W ORANGE BLOSSOM TRL** **APOPKA FL 32712**	STCS

Facility ID: 8513126
Type: A - Retail Station
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Clnup Cd (OD): ONGO
Fac Clnup Stat (OD): ONGOING
Clnup Dt (OD): 07-Mar-2005
Status (Map): REVIEWED
Contam (Map): YES

Fac Code (OD):	A	**Fac Type (Map):**	Retail Station
Facility 1:	Retail Station	**Fac Stat (Map):**	OPEN
Fac Name (OD):	DIAMOND FOOD MART		
Address (OD):	2901 W ORANGE BLOSSOM TRL		
City (OD):	APOPKA		
County (OD):	ORANGE		
Zip5 (OD):	32712		
Name (Map):	DIAMOND FOOD MART		
Address (Map):	2901 W ORANGE BLOSSOM TRL		
City (Map):	APOPKA		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32712		
Address Line 1:	2901 W Orange Blossom Trl		
Address Line 2:			
City:	Apopka		
County:	ORANGE		
State:	FL		
Zip:	32712		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	6345	**Map Src:**	imagerywithroads
X:	-81.55601419	**Map Scale:**	282
Y:	28.69346864	**Elevation:**	
Regulated:	YES	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WILLIAMS_CA	**El Units:**	
Col Date:	04-Oct-2022	**ALB East:**	638342.29
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	523171.58
Ver Meth:	DPHO	**Loc ID:**	17451
Ver Name:	WILLIAMS_CA	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	04-Oct-2022	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	EXACT	**Long MM:**	33
Datum:	NAD83	**Long SS:**	
Coord Acc:	4		
Col Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17451	**Rel Feat:**	EXACT
Site Type:	Retail Station	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	8009898292	**El Units:**	
Operator:	AET COMPLIANCE | EXT 146	**Map Src:**	imagerywithroads
Next action:	PLACARD 17-JUN-2024	**Map Scale:**	282
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638342.29
OOIC:	FACILITY	**Alb North:**	523171.58
Col Meth:	DPHO	**Datum:**	NAD83
Col Name:	WILLIAMS_CA	**Elevation:**	
Col Date:	10/4/2022	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WILLIAMS_CA	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	10/4/2022	**Long SS:**	
Object ID:	17451		
Col Aff:	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		

Ver Aff: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8513126/gis-facility!search

Storage Tank Contaminated Facility Name & Address Search Details

Name: Diamond Food Mart
2901 W Orange Blossom Trl
Apopka, FL 32712
LL Method: DPHO - Autonomous GPS
Account Owner: Star Plus Petro Inc
Contact: Aet Compliance | Ext 146
Phone: 800-989-8292
District: CD
County 1: 48 - Orange
Latitude: 28:41:36.4871
Longitude: 81:33:21.6511

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 4
Size: 10000
Content: Unleaded Gas
Installed: 06/01/1998
Placement: UNDER
Status: In Service
Construction: F - Fiberglass Clad Steel
I - Double Wall
M - Spill Containment Bucket
N - Flow Shut-Off
O - Tight Fill
Piping: J - Pressurized Piping System
K - Dispenser Liners
M - Double Wall - Pipe Jacket
N - Approved Synthetic Material
Monitoring: 1 - Continuous Electronic Sensing
2 - Visual Inspect Pipe Sumps
3 - Electronic Monitor Pipe Sumps
4 - Visual Inspect Dispenser Liners
F - Monitor Dbl Wall Tank Space
H - Mechanical Line Leak Detector
K - Monitor Dbl Wall Pipe Space
L - Automatic Tank Gauging - Usts

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: T3
Size: 8000
Content: Unleaded Gas
Installed: 07/01/1983
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: T1
Size: 8000
Content: Unleaded Gas
Installed: 07/01/1983
Placement: UNDER
Status: Removed from Site
Construction:
Piping:

Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: T2
Size: 8000
Content: Unleaded Gas
Installed: 07/01/1983
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 5
Size: 8000
Content: Unleaded Gas
Installed: 06/01/1998
Placement: UNDER
Status: In Service
Construction: F - Fiberglass Clad Steel
I - Double Wall
M - Spill Containment Bucket
N - Flow Shut-Off
O - Tight Fill
Piping: J - Pressurized Piping System
K - Dispenser Liners
M - Double Wall - Pipe Jacket
N - Approved Synthetic Material
Monitoring: 1 - Continuous Electronic Sensing
2 - Visual Inspect Pipe Sumps
3 - Electronic Monitor Pipe Sumps
4 - Visual Inspect Dispenser Liners
F - Monitor Dbl Wall Tank Space
H - Mechanical Line Leak Detector
K - Monitor Dbl Wall Pipe Space
L - Automatic Tank Gauging - Usts

20	1 of1	WNW	0.19 / 993.61	122.05 / 0	CROWN CORK & SEAL COMPANY INCORPORATED PLYMOUTH FL	PFAS IND

Status: Inactive
Fac Indian Cntry Flg: No
Fac Derived Huc: 03080102
Fac Derived Wbd: 030801020303
Fac Derived Cd113: 05
Fac Derived Cb2010: 120950178022061
Fac Informal Count: 0
Last Informal Action: 7/23/1999
Formal Action Count: 0
Last Formal Action: 11/3/2000
Fac Total Penalties: 0
Fac Penalty Count: -
Date Last Penalty: 11/3/2000
Last Penalty Amt: 25150
Fac Qtrs With Nc: 0
Programs With Snc: 0
Fac Percent Minority: 47.784
Fac Pop Den: 1008.37
Count: 1
Fac County: ORANGE
State Other :

Fac Fips Code: 12095
Compliance Status: No Violation Identified
EPA Programs: CAA; RCRA
Federal Facility: No
Federal Agency: -
Fac Snc Flg: No
AIR Flag: Yes
NPDES Flag: No
SDWIS Flag: No
RCRAFlag: Yes
TRI Flag: No
GHG Flag: No
TRI IDs: 32768CTRSCHWY44
TRI Releases Trnsfrs: -
TRI on Site Releases: -
TRI off Site Trnsfrs: -
TRI Reporter: -
Fac Imp Water Flg: -
Fac Major Flag: Yes
Fac Active Flag: -
Fac Inspection Count: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Region:	4	**Date Last Inspection:**	8/19/1993
Latitude:	28.6925	**Days Last Inspection:**	11538
Longitude:	-81.556944		
Fac Derived Tribes:	-		
AIR IDs:	FL0000001209500074		
CAA Permit Types:	Major Emissions		
CAA NAICS:	332431		
CAA SICS:	3411		
NPDES IDs:	-		
CWA Permit Types:	-		
CWA NAICS:	-		
CWA SICS:	-		
RCRA IDs:	FLD047970512 FLD981470305		
RCRA Permit Types:	Other		
RCRA NAICS:	-		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	No		
Fac Collection Meth:	THE GEOGRAPHIC COORDINATE DETERMINATION METHOD BASED ON ADDRESS MATCHING		
EJSCREEN Flag Us:			
EJSCREEN Report:			
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000362875		
Industry:	Printing		
Industry:	Metal Coating		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	1 of1	NE	0.20 / 1,039.03	95.33 / -27	AAG3057 703 SCHOPKE LESTER RD APOPKA FL 32712	WELL SURVEILLANCE

Facility ID:	DOH7214	**County:**	ORANGE
Project ID:	TOX-NITRATE	**Longitude:**	-81.546915
Req No:	RE26183	**Latitude:**	28.693372
Loc ID:	217171	**GPS Date:**	5/14/2008
GPS ID:	217171	**Datum:**	
Type:	TOXICS	**Software:**	Risk_Solo_v2
Insp CHD:	LAKE	**Streetside:**	
HAE:	35.58	**Agency:**	DOH
Loc Method:	DGPS - Differentially Corrected GPS		
Insp F Name:	MICHAEL		
Insp L Name:	CATES		
Comment:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of2	WNW	0.21 / 1,086.41	123.08 / 1	FISKARS CR 437 & HWY 441 PLYMOUTH FL 32768	UST

Facility ID:	8521343	**County Name:**	ORANGE
Facility Status:	CLOSED	**Lat/Long Method:**	
Facility Type:	C	**Lat DD:**	28
Type Desc:	Fuel user/Non-retail	**Lat MM:**	41
Facility Phone:	4078894116	**Lat SS:**	27
Dep Co:	P	**Long DD:**	81
Owner ID:	50601	**Long MM:**	33
Owner Phone:	4075534001	**Long SS:**	22
Owner:	FISKARS		
Owner Address1:	3000 W ORANGE AVE		
Owner Address2:			
Owner City:	APOPKA		
Owner State:	FL		
Owner Zip 5:	32703		
Contact:	DAVE DUNN		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8521343&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8521343		

Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521343/facility!search

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-OCT-1989	***Capacity:***	1000
Install:	01-JUL-1969	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	01-JUL-1996	***Capacity:***	2000
Install:	01-OCT-1989	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

---

22 | ***2 of2*** | ***WNW*** | ***0.21 / 1,086.41*** | ***123.08 / 1*** | ***FISKARS
CR 437 & HWY 441
PLYMOUTH FL 32768*** | ***STCS***

Facility ID:	8521343	***Clnup Cd (OD):***	
Type:	C - Fuel User/Non-Retail	***Fac Clnup Stat (OD):***	
Status:	Closed	***Clnup Dt (OD):***	
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	CLOSED	***Contam (Map):***	
Fac Code (OD):	C	***Fac Type (Map):***	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	***Fac Stat (Map):***	CLOSED
Fac Name (OD):	FISKARS		
Address (OD):	CR 437 & HWY 441		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	FISKARS		
Address (Map):	CR 437 & HWY 441		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	Cr 437 & Hwy 441		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	12120	***Map Src:***	1999 doqs
X:	-81.55610739	***Map Scale:***	5000

Y:	28.69083519	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	AGPS	**El Resolut:**	
Col Name:	INITIAL LOAD	**El Units:**	
Col Date:		**ALB East:**	638338.64
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522878.78
Ver Meth:	DPHO	**Loc ID:**	17183
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	06-Jun-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	EXACT	**Long MM:**	33
Datum:		**Long SS:**	
Coord Acc:	4		
Col Aff:			
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521343/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17183	**Rel Feat:**	EXACT
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078894116	**El Units:**	
Operator:	EDGAR ZYSSET	**Map Src:**	1999 doqs
Next action:	INVOICE 23-MAY-2002	**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638338.64
OOIC:	FACILITY	**Alb North:**	522878.78
Col Meth:	AGPS	**Datum:**	
Col Name:	INITIAL LOAD	**Elevation:**	
Col Date:		**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/6/2006	**Long SS:**	
Object ID:	17183		
Col Aff:			
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521343/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Fiskars Cr 437 & Hwy 441 Plymouth, FL 32768
LL Method:	AGPS - Autonomous GPS
Account Owner:	Fiskars
Contact:	Edgar Zysset
Phone:	407-889-4116
District:	CD
County 1:	48 - Orange
Latitude:	28:41:27.0067
Longitude:	81:33:21.9866

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	2000
Content:	Unleaded Gas
Installed:	10/01/1989
Placement:	UNDER
Status:	Removed from Site
Construction:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 1000
Content: Unleaded Gas
Installed: 07/01/1969
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

23	1 of1	WNW	0.21 / 1,106.65	123.08 / 1	LIL CHAMP FOOD STORES INC SE CORNER US 441 & PLYMOUTH SO APOPKA FL 32712	RCRA NON GEN

Handler ID: FLD984198952
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	**Used Oil Transpor:**	No
Mixed Waste Gen:	No	**Used Oil Trans Fac:**	No
Transporter:	No	**Used Oil Processor:**	No
Transfer Facility:	No	**Used Oil Refiner:**	No
Recycler:	No	**Used Oil Burner:**	No
Onsite Burner Exem:	No	**Commercial TSD:**	No
Furnace Exemption:	No	**Recycl Nonstorage:**	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	**NAIC 1:**	562998
Seq No:	201101	**NAIC 2:**	
Non Notifier:		**NAIC 3:**	
Receive Date:	20110105	**NAIC 4:**	
Active Site:	-----	**State:**	FL
Land Type:	P	**Location Latitude:**	28.693419
In Handler Univ:	N	**Location Longitude:**	-81.555733
In A Universe:	N	**Loc GIS Primary:**	N
Gen Status:	N	**Loc GIS Origin:**	UC
Report Cycle:		**State District Owner:**	FL
Accessibility:		**State District:**	CD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	FL		
State Waste Generator:	N		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		

Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20161214
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	LIL CHAMP FOOD STORES INC
Location Street No:	
Location Street1:	SE CORNER US 441 & PLYMOUTH SO
Location Street2:	
Location City:	APOPKA
Location State:	FL
Location Zip:	32712
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	
Contact Name:	MARCIA GLICK
Contact Street No:	9143
Contact Street1:	PHILIPS HWY STE 200
Contact Street2:	
Contact City:	JACKSONVILLE
Contact State:	FL
Contact Zip:	32256-1365
Contact Country:	US
Contact Phone And Ext:	904-464-7200
Contact Fax:	
Contact Email Address:	
Contact Title:	ENVIRON DIR
Owner Name:	MARCIA GLICK
Owner Type:	P
Owner Seq:	1
Operator Name:	BRENT PUZAK
Operator Type:	P
Operator Seq:	2
Public Notes:	

Hazardous Waste Handler Details

Seq No:	201003
Receive Date:	20100330
Handler Name:	LIL CHAMP FOOD STORES INC
Fed Waste Generator:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Hazardous Waste Handler Details

Seq No:	201101
Receive Date:	20110105
Handler Name:	LIL CHAMP FOOD STORES INC
Fed Waste Generator:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Notification

Waste Code Details

Waste Code:	D001
Waste Code Desc:	IGNITABLE WASTE
Waste Code:	D018
Waste Code Desc:	BENZENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	9143 PHILIPS HWY STE 200
Name:	MARCIA GLICK	***Street2:***	
Dt Became Current:	19991105	***City:***	JACKSONVILLE
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Implementer	***Zip:***	32256-1365
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street1:***	9143 PHILIPS HWY
Name:	LIL CHAMP FOOD STORES INC	***Street2:***	
Dt Became Current:	19910415	***City:***	JACKSONVILLE
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Implementer	***Zip:***	32256-1365
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street1:***	9143 PHILIPS HWY
Name:	LIL CHAMP FOOD STORES INC	***Street2:***	
Dt Became Current:	19910415	***City:***	JACKSONVILLE
Dt Ended Current:	20110105	***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	32256-1365
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	9143 PHILIPS HWY STE 200
Name:	MARCIA GLICK	***Street2:***	
Dt Became Current:	19991105	***City:***	JACKSONVILLE
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	32256-1365
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street1:***	9143 PHILIPS HWY
Name:	BRENT PUZAK	***Street2:***	
Dt Became Current:	19910415	***City:***	JACKSONVILLE
Dt Ended Current:		***State:***	FL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	32256-1365
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	9143 PHILIPS HWY
Name:	LIL CHAMP FOOD STORES INC	**Street2:**	
Dt Became Current:	19910415	**City:**	JACKSONVILLE
Dt Ended Current:		**State:**	FL
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	32256-1365
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	9143 PHILIPS HWY
Name:	BRENT PUZAK	**Street2:**	
Dt Became Current:	19910415	**City:**	JACKSONVILLE
Dt Ended Current:		**State:**	FL
Phone:		**Country:**	US
Source Type:	Implementer	**Zip:**	32256-1365

Historical Handler Details

Receive Dt:	20100330
Generator Code Description:	Not a Generator, Verified
Handler Name:	LIL CHAMP FOOD STORES INC

24	1 of1	W	0.22 / 1,144.69	120.31 / -2	**FISKARS BRANDS INC** **2980 W ORANGE AVE** **APOPKA FL 32703**	STCS

Facility ID:	9804826	**Clnup Cd (OD):**	
Type:	E - Industrial Plant	**Fac Clnup Stat (OD):**	
Status:	Closed	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	CLOSED	**Contam (Map):**	
Fac Code (OD):	E	**Fac Type (Map):**	Industrial Plant
Facility 1:	Industrial Plant	**Fac Stat (Map):**	CLOSED
Fac Name (OD):	FISKARS BRANDS INC		
Address (OD):	2980 W ORANGE AVE		
City (OD):	APOPKA		
County (OD):	ORANGE		
Zip5 (OD):	32703		
Name (Map):	FISKARS BRANDS INC		
Address (Map):	2980 W ORANGE AVE		
City (Map):	APOPKA		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32703		
Address Line 1:	2980 W Orange Ave		
Address Line 2:			
City:	Apopka		
County:	ORANGE		
State:	FL		
Zip:	32703		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	57457	**Map Src:**	1999 doqs
X:	-81.55743183	**Map Scale:**	5000
Y:	28.69076819	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	08-Jun-2006	**ALB East:**	638209.92

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522869.35000000003
Ver Meth:	DPHO	**Loc ID:**	58020
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	08-Jun-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	VICIN	**Long MM:**	33
Datum:	HARN	**Long SS:**	
Coord Acc:	3		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9804826/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	58020	**Rel Feat:**	VICIN
Site Type:	Industrial Plant	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078089630	**El Units:**	
Operator:	TIM HOGAN	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	3
Office:	CD	**Alb East:**	638209.92
OOIC:	FACILITY	**Alb North:**	522869.35000000003
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	6/8/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/8/2006	**Long SS:**	
Object ID:	58020		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9804826/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Fiskars Brands Inc 2980 W Orange Ave Apopka, FL 32703
LL Method:	DPHO
Account Owner:	
Contact:	Tim Hogan
Phone:	407-808-9630
District:	CD
County 1:	48 - Orange
Latitude:	28:41:26.7655
Longitude:	81:33:26.7546

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of2	WNW	0.22 / 1,164.08	123.35 / 1	ASGROW FL CO 2908 W ORANGE BLOSSOM TRL APOPKA FL 32712	UST

Facility ID:	8521487	**County Name:**	ORANGE
Facility Status:	CLOSED	**Lat/Long Method:**	
Facility Type:	C	**Lat DD:**	28
Type Desc:	Fuel user/Non-retail	**Lat MM:**	41
Facility Phone:	3058864744	**Lat SS:**	36.34
Dep Co:	P	**Long DD:**	81
Owner ID:	1065	**Long MM:**	33
Owner Phone:	3058864744	**Long SS:**	26.64
Owner:	ASGROW FLORIDA CO PLYMOUTH		
Owner Address1:	PO BOX 76		

Owner Address2:
Owner City: PLYMOUTH
Owner State: FL
Owner Zip 5: 32768
Contact: JAMES FUSSELL
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8521487&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8521487
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521487/facility!search

Tanks

Tank ID: 1

Tank Details

Tank Status: B - REMOVED FROM SITE
Status Date:
Install: 01-JUL-1973
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 2000
Place: UNDERGROUND
Con desc: Leaded Gas

25	2 of2	WNW	0.22 / 1,164.08	123.35 / 1	ASGROW FL CO 2908 W ORANGE BLOSSOM TRL APOPKA FL 32712	STCS

Facility ID: 8521487
Type: C - Fuel User/Non-Retail
Status: Closed
Status (OD): REVIEWED
Fac Stat (OD): CLOSED
Fac Code (OD): C
Facility 1: Fuel user/Non-retail
Fac Name (OD): ASGROW FL CO
Address (OD): 2908 W ORANGE BLOSSOM TRL
City (OD): APOPKA
County (OD): ORANGE
Zip5 (OD): 32712
Name (Map): ASGROW FL CO
Address (Map): 2908 W ORANGE BLOSSOM TRL
City (Map): APOPKA
County (Map): 48
Zip4 (Map): 5842
Zip5 (Map): 32712
Address Line 1: 2908 W Orange Blossom Trl
Address Line 2:
City: Apopka
County: ORANGE
State: FL
Zip: 32712- 5842
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search
Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Fuel user/Non-retail
Fac Stat (Map): CLOSED

FDEP Storage Tank Monitoring Open Data Details

Object ID: 11665
X: -81.55740267
Y: 28.69342456
Regulated: NO
Col Meth: ADDM
Col Name: INITIAL LOAD
Col Date:
Col Prog: TANKS-PETROLEUM CONTAMINATION
Ver Meth: DPHO
Ver Name: WOEBER_A
Map Src: 1999 doqs
Map Scale: 4999
Elevation:
El Datum:
El Resolut:
El Units:
ALB East: 638207.25
ALB North: 523164.36
Loc ID: 17155
Lat DD: 28

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	09-Jun-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	APPRX	**Long MM:**	33
Datum:		**Long SS:**	
Coord Acc:	4		
Col Aff:			
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521487/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17155	**Rel Feat:**	APPRX
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	3058864744	**El Units:**	
Operator:	J E FUSSELL	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	4999
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638207.25
OOIC:	FACILITY	**Alb North:**	523164.36
Col Meth:	ADDM	**Datum:**	
Col Name:	INITIAL LOAD	**Elevation:**	
Col Date:		**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/9/2006	**Long SS:**	
Object ID:	17155		
Col Aff:			
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521487/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Asgrow Fl Co 2908 W Orange Blossom Trl Apopka, FL 32712- 5842
LL Method:	ADDM - Address Matching
Account Owner:	Asgrow Florida Co Plymouth
Contact:	J E Fussell
Phone:	305-886-4744
District:	CD
County 1:	48 - Orange
Latitude:	28:41:36.3284
Longitude:	81:33:26.6496

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	2000
Content:	Leaded Gas
Installed:	07/01/1973
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

26	***1 of5***	***WNW***	***0.23 / 1,207.86***	***122.66 / 1***	***FRED N DUNN CITRUS NURSERY 441 PLYMOUTH ST PLYMOUTH FL 32768***	***LST***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	8512930	**Facility Status:**	OPEN
Facility Name:	FRED N DUNN CITRUS NURSERY	**Facility ID (Map):**	8512930
Facility Address:	441 PLYMOUTH ST	**Fac Name (Map):**	FRED N DUNN CITRUS NURSERY
Facility Address2:		**Fac Address (Map):**	441 PLYMOUTH ST
Facility City:	PLYMOUTH	**City (Map):**	PLYMOUTH
County:	ORANGE	**County (Map):**	ORANGE
Facility State:	FL	**Fac Zip (Map):**	32768
Facility Zip:	32768	**Latitude (Map):**	28.6937531111144
Facility Type:	M - Agricultural	**Longitude (Map):**	-81.556615861113

Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8512930&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8512930
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/facility!search
Data Source: STCM Database Reports -Historical Contaminated Facilities List; FDEP-Geospatial Open Data - Petroleum Contamination Monitoring (PCTS) Discharges (Map); STCM Database Queries - Petroleum Cleanup Funding CAP To Date Report; STCM Public Reports-Tank Facility - Discharge Information

Discharge Cleanup Summary

Discharge Date:	6/15/1987	**Information Source:**	E - EDI
Cleanup Required:	N - NO CLEANUP REQUIRED	**Eligib Indicator:**	I - INELIGIBLE
Dschrg Clnup Status:	NREQ - CLEANUP NOT REQUIRED	**Site Manager:**	
Dschrg Clnup Stat Dt:	5/29/2001	**Site Manager End Dt:**	
Cleanup Work Stat:	COMPLETED		
Tank Office:	-		

Petroleum Cleanup Program Eligibility

Cleanup Program: E - EARLY DETECTION INCENTIVE
Eligibility Status: INELIGIBLE
Rank:
Cap Amount: $0.00

Task Info

SA Task ID:	21733	**SR Soil Treatment:**	
SA Cleanup Resp:	ST - STATE	**SR Other Treatment:**	
SA Actual Cost:		**SR Alt Proc Rec:**	
SA Complete Date:		**RAP Task ID:**	21734
SA Payment Date:		**RAP Clean Resp ID:**	ST - STATE
SR Task ID:	21732	**RAP Actual Cost:**	
SR Cleanup Resp:	ST - STATE	**RAP Complete Date:**	
SR Actual Cost:		**RAP Payment Date:**	
SR Complete Date:		**RAP Last Ord Appr:**	
SR Payment Date:		**RA Task ID:**	21735
SR Oral Date:		**RA Cleanup Resp:**	ST - STATE
SR Written Date:		**RA Yrs to Complete:**	
SR Soil Removal:		**RA Actual Cost:**	
SR Free Prod Rmvl:		**Tank Office:**	-
SR Soil Ton Remove:			

SR Fund Elig Type: -
SA Fund Elig Type: -
RAP Fund Elig Type: -
RA Fund Elig Type: -
SR Alternate Procedure Status:
SR Alt Procedure Status Dt:
SR Alt Procedure Comment:
SRC Action Type: -
SRC Submit Date:
SRC Review Date:
SRC Complete Status: -
SRC Comp Status Dt:
SRC Issue Date:
SRC Comments:

Petroleum Cleanup PCT Facility Score

Related Party ID:	7827
RP Contact:	FRED DUNN
Facility Cleanup Status:	NREQ - NOT REQUIRED
Bad Address Indicator:	N
Rank:	

Discharge Info (Map)

Discharge:	9115	***Facility Status:***	OPEN
Discharge 1:	15-Jun-1987	***Staff Assi:***	
Discharge 2:		***Eligibility:***	INELIGIBLE
Discharge 3:	NREQ	***Eligibility 1:***	
Disch Clea:	29-May-2001	***Rel Feat:***	VICIN
General Cl:	NO CLEANUP REQUIRED	***Collection:***	DPHO
Lat Dd:	28	***Collector :***	WOEBER_A
Lat Mm:	41	***Collecti 1:***	18-Dec-2006
Lat Ss:		***Report Pha:***	COMPLETED
Long Dd:	81	***Report Sub:***	COMPLETED
Long Mm:	33	***Report S 1:***	29-May-2001
Long Ss:			
Tank Offic:			
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/facility!search		

AST UST Discharges

Dep Co:	P	***Long MM:***	31
CU Req:	N	***Long SS:***	24
Score:		***Stat Desc:***	CLEANUP NOT REQUIRED
Descrip:	NO CLEANUP REQUIRED	***Fac Name:***	FRED N DUNN CITRUS NURSERY
Discharge Date:	15-Jun-87	***Fac Type:***	M
Score Date:		***Type Desc:***	Agricultural
Stat Date:	29-May-01	***Fac Addr:***	441 PLYMOUTH ST
LL Meth:	UNVR	***Fac City:***	PLYMOUTH
Lat DD:	28	***Fac Zip:***	32768
Lat MM:	40	***County:***	48
Lat SS:	51	***Fac State:***	OPEN
Long DD:	81	***Fac Phone:***	3058863092
Prg Desc:			

Historical Contaminated Facilities List

Facility ID:	8512930	***Score:***	
Facility Status:	OPEN	***Score Effective Dt:***	
Facility Type:	M - Agricultural	***Score When Ranked:***	
Facility Name:	FRED N DUNN CITRUS NURSERY	***Rank:***	
Address1:	441 PLYMOUTH ST	***Operator:***	FRED N DUNN CITRUS NURSERY INC
Address2:		***Phone:***	(305)886-3092
City:	PLYMOUTH	***Section:***	5
County Name:	ORANGE	***Township:***	21S
County:	48	***Range :***	28E
District:	CD	***Pri Related Party ID:***	7827
State :	FL	***Primary Rp Role:***	ACCOUNT OWNER
Zip5:	32768	***Rp Begin Date:***	7/1/1985
Zip4:		***Rp Name:***	FRED N DUNN CITRUS NURSERY INC
Name Changed:		***Rp Address1:***	PO BOX 35
Addr Changed:		***Rp Address2:***	
Lat Dd:	28	***Rp City:***	PLYMOUTH
Lat Mm:	41	***Rp State:***	FL
Lat Ss:	37.5112	***Rp Zip5:***	32768
Long Dd:	81	***Rp Zip4:***	35
Long Mm:	33	***Contact:***	FRED DUNN
Long Ss:	23.8171	***Rp Phone:***	(305)886-3092
Feature:		***Rp Phone Extension:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method: UNVR
Datum: 0
Rp Bad Addr Ind: No

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26 | **2 of5** | **WNW** | **0.23 / 1,207.86** | **122.66 / 1** | **FRED N DUNN CITRUS NURSERY**
441 PLYMOUTH ST
PLYMOUTH FL 32768 | **UST**

Facility ID: 8512930
Facility Status: OPEN
Facility Type: M
Type Desc: Agricultural
Facility Phone: 3058863092
Dep Co: P
Owner ID: 7827
Owner Phone: 3058863092
County Name: ORANGE
Lat/Long Method:
Lat DD: 28
Lat MM: 40
Lat SS: 51
Long DD: 81
Long MM: 31
Long SS: 24
Owner: FRED N DUNN CITRUS NURSERY INC
Owner Address1: PO BOX 35
Owner Address2:
Owner City: PLYMOUTH
Owner State: FL
Owner Zip 5: 32768
Contact: FRED DUNN
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8512930&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8512930
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/facility!search

Tanks

Tank ID: 4

Tank Details

Tank Status: U - IN SERVICE
Status Date:
Install:
Tank Determination:
Tank Det Desc:
Tank Vessel Indic: TANK
Capacity: 500
Place: UNDERGROUND
Con desc: Leaded Gas

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26 | **3 of5** | **WNW** | **0.23 / 1,207.86** | **122.66 / 1** | **FRED N DUNN CITRUS NURSERY**
441 PLYMOUTH ST
PLYMOUTH FL 32768 | **AST**

Facility ID: 8512930
Facility Status: OPEN
Facility Type: M
Type Desc: Agricultural
Facility Phone: 3058863092
Dep Co: P
Owner ID: 7827
Owner Phone: 3058863092
County Name: ORANGE
Lat/Long Method:
Lat DD: 28
Lat MM: 40
Lat SS: 51
Long DD: 81
Long MM: 31
Long SS: 24
Owner: FRED N DUNN CITRUS NURSERY INC
Owner Address1: PO BOX 35
Owner Address2:
Owner City: PLYMOUTH
Owner State: FL
Owner Zip 5: 32768
Contact: FRED DUNN
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8512930&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8512930
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/facility!search

Tanks

Tank ID: 2

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	800
Install:	01-JUL-1965	***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	M
Tank Determin:		***Contdesc:***	Fuel Oil - Onsite Heat

Tanks

Tank ID: 3

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	800
Install:	01-JUL-1981	***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	M
Tank Determin:		***Contdesc:***	Fuel Oil - Onsite Heat

Tanks

Tank ID: 1

Tank Details

Tank Status:	U - IN SERVICE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	800
Install:	01-JUL-1964	***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	M
Tank Determin:		***Contdesc:***	Fuel Oil - Onsite Heat

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26 | ***4 of5*** | ***WNW*** | ***0.23 / 1,207.86*** | ***122.66 / 1*** | ***FRED N DUNN CITRUS NURSERY***
441 PLYMOUTH ST
PLYMOUTH FL 32768 | ***STCS***

Facility ID:	8512930	***Clnup Cd (OD):***	NREQ
Type:	M - Agricultural	***Fac Clnup Stat (OD):***	NOT REQUIRED
Status:	Open	***Clnup Dt (OD):***	03-Feb-2002
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	OPEN	***Contam (Map):***	
Fac Code (OD):	M	***Fac Type (Map):***	Agricultural
Facility 1:	Agricultural	***Fac Stat (Map):***	OPEN

Fac Name (OD):	FRED N DUNN CITRUS NURSERY
Address (OD):	441 PLYMOUTH ST
City (OD):	PLYMOUTH
County (OD):	ORANGE
Zip5 (OD):	32768
Name (Map):	FRED N DUNN CITRUS NURSERY
Address (Map):	441 PLYMOUTH ST
City (Map):	PLYMOUTH
County (Map):	48
Zip4 (Map):	
Zip5 (Map):	32768
Address Line 1:	441 Plymouth St
Address Line 2:	
City:	Plymouth
County:	ORANGE
State:	FL
Zip:	32768
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD);

FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	6895	***Map Src:***	2004 doqqs
X:	-81.55661586	***Map Scale:***	4999
Y:	28.69375311	***Elevation:***	
Regulated:	NO	***El Datum:***	
Col Meth:	DPHO	***El Resolut:***	
Col Name:	WOEBER_A	***El Units:***	
Col Date:	18-Dec-2006	***ALB East:***	638282.72
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	523202.15
Ver Meth:	DPHO	***Loc ID:***	17543
Ver Name:	WOEBER_A	***Lat DD:***	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	41
Ver Date:	18-Dec-2006	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	VICIN	***Long MM:***	33
Datum:	HARN	***Long SS:***	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17543	***Rel Feat:***	VICIN
Site Type:	Agricultural	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:	3058863092	***El Units:***	
Operator:	FRED N DUNN CITRUS NURSERY INC	***Map Src:***	2004 doqqs
Next action:		***Map Scale:***	4999
Fin Respon:		***Coord Acc:***	4
Office:	CD	***Alb East:***	638282.72
OOIC:	FACILITY	***Alb North:***	523202.15
Col Meth:	DPHO	***Datum:***	HARN
Col Name:	WOEBER_A	***Elevation:***	
Col Date:	12/18/2006	***Lat DD:***	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	41
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	WOEBER_A	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	33
Ver Date:	12/18/2006	***Long SS:***	
Object ID:	17543		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8512930/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Fred N Dunn Citrus Nursery 441 Plymouth St Plymouth, FL 32768
LL Method:	DPHO - Unverified
Account Owner:	Fred N Dunn Citrus Nursery Inc
Contact:	Fred N Dunn Citrus Nursery Inc
Phone:	305-886-3092
District:	CD
County 1:	48 - Orange
Latitude:	28:41:37.5112
Longitude:	81:33:23.8171

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	3
Size:	800
Content:	Fuel Oil - Onsite Heat
Installed:	07/01/1981
Placement:	ABOVE
Status:	In Service
Construction:	A - Ball Check Valve E - Fiberglass
Piping:	A - Abv, No Soil Contact
Monitoring:	Y - Unknown

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	800
Content:	Fuel Oil - Onsite Heat
Installed:	07/01/1965
Placement:	ABOVE
Status:	In Service
Construction:	A - Ball Check Valve E - Fiberglass
Piping:	A - Abv, No Soil Contact
Monitoring:	Y - Unknown

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	800
Content:	Fuel Oil - Onsite Heat
Installed:	07/01/1964
Placement:	ABOVE
Status:	In Service
Construction:	A - Ball Check Valve
Piping:	A - Abv, No Soil Contact
Monitoring:	Y - Unknown

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	4
Size:	500
Content:	Leaded Gas
Installed:	
Placement:	UNDER
Status:	In Service
Construction:	D - Unknown
Piping:	Y - Unknown
Monitoring:	Y - Unknown

26	***5 of5***	***WNW***	***0.23 / 1,207.86***	***122.66 / 1***	***FRED N DUNN CITRUS NURSERY 441 PLYMOUTH ST PLYMOUTH FL 32768***	***DWM CONTAM***

Facility ID:	8512930	***Contact:***	
Site ID:	8512930	***Phone:***	
Program Area:		***Method:***	
Facility Type:		***Datum:***	
Fac Type:		***Related Party ID:***	
County ID:	48	***Primary RP Role:***	
Ftc1 Fac Type ID:	M	***RP Begin Date:***	
Stcm Facility Type:	M	***RP Address1:***	
District:	CD	***RP Address2:***	
Site Status:		***RP City:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Section:	005	**RP State:**	
Township:	21S	**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:	28E	**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	FRED N DUNN CITRUS NURSERY		
Description:	Agricultural		

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	UNVR
Site Manager:		**Lat DD:**	28
Discharge Date:	06/15/1987	**Lat MM:**	40
Discharge Eligibil:	I	**Lat SS:**	51
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	CLOSED-STCM	**Long MM:**	31
Closure Type:	NREQ	**Long SS:**	24
Closure Date:	05/29/2001		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
27	1 of1	W	0.23 / 1,236.61	120.18 / -2	BLOEM APOPKA FL	PFAS IND

Status:	Active	**Fac Fips Code:**	12095
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	03080102	**EPA Programs:**	CWA
Fac Derived Wbd:	030801020303	**Federal Facility:**	No
Fac Derived Cd113:	05	**Federal Agency:**	-
Fac Derived Cb2010:	120950179011113	**Fac Snc Flg:**	No
Fac Informal Count:	1	**AIR Flag:**	No
Last Informal Action:	3/8/2022	**NPDES Flag:**	Yes
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	No
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	47.965	**TRI Reporter:**	-
Fac Pop Den:	985.34	**Fac Imp Water Flg:**	Yes
Count:	1	**Fac Major Flag:**	-
Fac County:	ORANGE	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	1
Region:	4	**Date Last Inspection:**	2/24/2022
Latitude:	28.691551	**Days Last Inspection:**	1122
Longitude:	-81.5581		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	FLRNEF733		
CWA Permit Types:	Non-M		
CWA NAICS:	326199		
CWA SICS:	3089		
RCRA IDs:	-		
RCRA Permit Types:	-		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RCRA NAICS: -
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: No
Fac Collection Meth: ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:
EJSCREEN Report:
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110071068326

Industry: Plastics and Resins

28	1 of1	WNW	0.26 / 1,364.09	124.29 / 2	SUNOCO FOOD MART#1074 2971 W ORANGE BLOSSOM TRL APAOPKA FL 32712	STCS

Facility ID: 8631351
Type: A - Retail Station
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Fac Code (OD): A
Facility 1: Retail Station
Fac Name (OD): SUNOCO FOOD MART#1074
Address (OD): 2971 W ORANGE BLOSSOM TRL
City (OD): APAOPKA
County (OD): ORANGE
Zip5 (OD): 32712
Name (Map): SUNOCO FOOD MART#1074
Address (Map): 2971 W ORANGE BLOSSOM TRL
City (Map): APAOPKA
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32712
Address Line 1: 2971 W Orange Blossom Trl
Address Line 2:
City: Apaopka
County: ORANGE
State: FL
Zip: 32712
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Retail Station
Fac Stat (Map): OPEN

FDEP Storage Tank Monitoring Open Data Details

Object ID: 21078
X: -81.55706325
Y: 28.693923
Regulated: YES
Col Meth: DGPS
Col Name: SNYDER_W
Col Date: 16-Jan-2004
Col Prog: TANKS-PETROLEUM CONTAMINATION
Ver Meth: DPHO
Ver Name: SNYDER_W
Ver Prog: TANKS-PETROLEUM CONTAMINATION
Ver Date: 16-Jan-2004
OOIC: FACILITY
Rel Feat: EXACT
Datum: WGS84
Coord Acc: 3
Col Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Direct:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631351/gis-facility!search

Map Src: 1999 doqs
Map Scale: 5000
Elevation:
El Datum:
El Resolut:
El Units:
ALB East: 638238.98
ALB North: 523219.77
Loc ID: 15426
Lat DD: 28
Lat MM: 41
Lat SS:
Long DD: 81
Long MM: 33
Long SS:

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	15426	***Rel Feat:***	EXACT
Site Type:	Retail Station	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:	4073841168	***El Units:***	
Operator:	VIKRAM JANI	***Map Src:***	1999 doqs
Next action:	PLACARD 06-JUN-2024	***Map Scale:***	5000
Fin Respon:		***Coord Acc:***	3
Office:	CD	***Alb East:***	638238.98
OOIC:	FACILITY	***Alb North:***	523219.77
Col Meth:	DGPS	***Datum:***	WGS84
Col Name:	SNYDER_W	***Elevation:***	
Col Date:	1/16/2004	***Lat DD:***	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	41
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	SNYDER_W	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	33
Ver Date:	1/16/2004	***Long SS:***	
Object ID:	15426		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631351/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Sunoco Food Mart#1074 2971 W Orange Blossom Trl Apaopka, FL 32712
LL Method:	DGPS - Autonomous GPS
Account Owner:	Prem Raheem Llc
Contact:	Vikram Jani
Phone:	407-384-1168
District:	CD
County 1:	48 - Orange
Latitude:	28:41:38.1228
Longitude:	81:33:25.4277

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	10000
Content:	Unleaded Gas
Installed:	07/01/1978
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	3
Size:	4000
Content:	Unleaded Gas
Installed:	07/01/1978
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 2
Size: 10000
Content: Unleaded Gas
Installed: 07/01/1978
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 5
Size: 8000
Content: Unleaded Gas
Installed: 12/01/1995
Placement: UNDER
Status: In Service
Construction: A - Ball Check Valve
F - Fiberglass Clad Steel
I - Double Wall
M - Spill Containment Bucket
Piping: F - Double Wall
J - Pressurized Piping System
K - Dispenser Liners
Monitoring: 2 - Visual Inspect Pipe Sumps
F - Monitor Dbl Wall Tank Space
H - Mechanical Line Leak Detector
K - Monitor Dbl Wall Pipe Space

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 6
Size: 8000
Content: Vehicular Diesel
Installed: 12/01/1995
Placement: UNDER
Status: In Service
Construction: A - Ball Check Valve
F - Fiberglass Clad Steel
I - Double Wall
M - Spill Containment Bucket
Piping: F - Double Wall
J - Pressurized Piping System
K - Dispenser Liners
Monitoring: 2 - Visual Inspect Pipe Sumps
F - Monitor Dbl Wall Tank Space
H - Mechanical Line Leak Detector
K - Monitor Dbl Wall Pipe Space

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 4
Size: 8000
Content: Unleaded Gas
Installed: 12/01/1995
Placement: UNDER
Status: In Service
Construction: A - Ball Check Valve
F - Fiberglass Clad Steel
I - Double Wall
M - Spill Containment Bucket
Piping: F - Double Wall
J - Pressurized Piping System
K - Dispenser Liners

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Monitoring: 2 - Visual Inspect Pipe Sumps
F - Monitor Dbl Wall Tank Space
H - Mechanical Line Leak Detector
K - Monitor Dbl Wall Pipe Space

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	1 of1	WNW	0.27 / 1,422.92	119.77 / -2	HONEY TRANSPORT INC 2994 ORANGE AVE PLYMOUTH FL 32768	STCS

Facility ID: 8627164
Type: C - Fuel User/Non-Retail
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Fac Code (OD): C
Facility 1: Fuel user/Non-retail
Fac Name (OD): HONEY TRANSPORT INC
Address (OD): 2994 ORANGE AVE
City (OD): PLYMOUTH
County (OD): ORANGE
Zip5 (OD): 32768
Name (Map): HONEY TRANSPORT INC
Address (Map): 2994 ORANGE AVE
City (Map): PLYMOUTH
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32768
Address Line 1: 2994 Orange Ave
Address Line 2:
City: Plymouth
County: ORANGE
State: FL
Zip: 32768
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Fuel user/Non-retail
Fac Stat (Map): OPEN

FDEP Storage Tank Monitoring Open Data Details

Object ID: 17912
X: -81.55972222
Y: 28.69111111
Regulated: YES
Col Meth: AGPS
Col Name: INITIAL LOAD
Col Date:
Col Prog: TANKS-PETROLEUM CONTAMINATION
Ver Meth: DPHO
Ver Name: RAUENZAHN_R48
Ver Prog: TANKS-PETROLEUM CONTAMINATION
Ver Date: 15-Dec-2003
OOIC: FACILITY
Rel Feat: APPRX
Datum:
Coord Acc:
Col Aff:
Ver Aff: CONTRACTOR
Direct:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627164/gis-facility!search

Map Src:
Map Scale:
Elevation:
El Datum:
El Resolut:
El Units:
ALB East:
ALB North:
Loc ID: 16821
Lat DD: 28
Lat MM: 41
Lat SS:
Long DD: 81
Long MM: 33
Long SS:

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID: 16821
Site Type: Fuel user/Non-retail
Contam Ind:
Phone: 8009662953

Rel Feat: APPRX
El Datum:
El Resolut:
El Units:

Operator:	DAVID VAN HOOSE	**Map Src:**	
Next action:	PLACARD 25-JUN-2024	**Map Scale:**	
Fin Respon:		**Coord Acc:**	
Office:	CD	**Alb East:**	
OOIC:	FACILITY	**Alb North:**	
Col Meth:	AGPS	**Datum:**	
Col Name:	INITIAL LOAD	**Elevation:**	
Col Date:		**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	RAUENZAHN_R48	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	12/15/2003	**Long SS:**	
Object ID:	16821		
Col Aff:			
Ver Aff:	CONTRACTOR		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627164/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Honey Transport Inc 2994 Orange Ave Plymouth, FL 32768
LL Method:	AGPS - Autonomous GPS
Account Owner:	Honey Transport Inc
Contact:	David Van Hoose
Phone:	800-966-2953
District:	CD
County 1:	48 - Orange
Latitude:	28:41:28.0000
Longitude:	81:33:35.0000

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	4
Size:	4000
Content:	Unleaded Gas
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	7
Size:	5000
Content:	Generator/Pump Diesel
Installed:	04/01/2010
Placement:	ABOVE
Status:	In Service
Construction:	C - Steel I - Double Wall N - Flow Shut-Off O - Tight Fill P - Level Gauges/Alarms
Piping:	A - Abv, No Soil Contact B - Steel/Galvanized Metal I - Suction Piping System
Monitoring:	F - Monitor Dbl Wall Tank Space Q - Visual Inspection Of Asts V - Suction Pump Check Valve

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 3
Size: 4000
Content: Leaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 6
Size: 1000
Content: Waste Oil
Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 8000
Content: Vehicular Diesel
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 2
Size: 4000
Content: Leaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 5
Size: 5000
Content: Vehicular Diesel
Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

30	*1 of3*	*WNW*	*0.28 / 1,454.37*	*121.61 / 0*	***PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION 3001 WEST ORANGE AVENUE APOPKA FL***	*WCRPS*

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID:	314616	**Coord Accuracy ID:**	3
Datum ID:	NAD83	**Zip5:**	32703
Method ID:	DPHO	**Zip4:**	
Feature:		**County ID:**	48
Object of Interest:	CAP_RAP SITE	**County:**	ORANGE
Proximity to Object:	APPRX	**Lat DD:**	28
Interpolation Scale:	5000	**Lat MM:**	41
Map Source:	IMAGERY_04_09	**Long DD:**	81
Map Source Scale:	5000	**Long MM:**	33
Collect Program ID:	CR		
Collect Username:	HOUSTON_G		
Collect Affiliation:	Florida Department of Environmental Protection		
Verifying Program ID:	CR		
Verify Method ID:	DPHO		
Verifier Username:	HOUSTON_G		
Verifier Affiliation:	Florida Department of Environmental Protection		
Project Name:	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_314616/gis-facility!search		

Project Details

Project ID:	334926	**District:**	CD
OGC No:		**GIS ALBX:**	638254.5
Status:	CLOSED	**GIS ALBY:**	522902.17
Priority Score:		**Source:**	Closed Responsible Party Sites
Offsite COC:			
Contaminants:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	2 of3	WNW	0.28 / 1,454.37	121.61 / 0	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION 3001 WEST ORANGE AVENUE APOPKA FL 32703	ERIC

Eric ID:	ERIC_12807	**Offste Contami Key:**	CONTAMUNKNOWN
Site Status:	CLOSED	**Se Anno Cad Data:**	
Source Facility ID:	136203	**State:**	FL
District:	CD	**County Name:**	Orange
WMD:	SFWMD	**County ID:**	48
ICR Indicator:	NO	**Datum ID:**	NAD83
Discharge Date Dt:		**Geometry:**	
Method ID:	DPHO	**X:**	-81.5569689166239
Object of Interest:	CAP_R	**Y:**	28.69105888294044
Proximit to Object:	APPRX	**Lat DD:**	28
Collector Username:	HOUSTON_G	**Lat MM:**	41
Collect Date Dt:		**Lat SS:**	27.8118
Map Source:	IMAGERY_04_09	**Long DD:**	81
Map Source Scale:	5000	**Long MM:**	33
Intrpolation Scale:	5000	**Long SS:**	25.0881
Coord Accuracy ID:	3	**Gis Albx:**	638254.5
Site Phase Dsc:	Phase 1 - Initial Assessment	**Gis Alby:**	522902.17
Site Name:	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12807/gis-facility!search		

Program Details

Program:	Responsible Party Cleanup
Program Type:	RESPONSPARTY
Program Status:	COMPLETEWITHCOND
Site Manager:	Tom Lubozynski

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	3 of3	WNW	0.28 / 1,454.37	121.61 / 0	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION 3001 WEST ORANGE AVENUE APOPKA FL 32703	DWM CONTAM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	136203	**Contact:**	
Site ID:	ERIC_12807	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:		**RP Begin Date:**	
Stcm Facility Type:	FIESTA	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	
Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION		
Description:			

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	NAD83
Program Area:	RESPONSPARTY	**Method:**	DPHO
Site Manager:	Tom Lubozynski	**Lat DD:**	28
Discharge Date:		**Lat MM:**	41
Discharge Eligibil:		**Lat SS:**	27.8118
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	Closed-ERIC	**Long MM:**	33
Closure Type:		**Long SS:**	25.0881
Closure Date:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of2	WNW	0.28 / 1,499.70	119.38 / -3	BLOEM, LLC APOPKA FL	PFAS IND

Status:	Active	**Fac Fips Code:**	12095
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	03080102	**EPA Programs:**	CWA; RCRA
Fac Derived Wbd:	030801020303	**Federal Facility:**	No
Fac Derived Cd113:	05	**Federal Agency:**	-
Fac Derived Cb2010:	120950179011113	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	Yes
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	47.425	**TRI Reporter:**	-
Fac Pop Den:	986.9	**Fac Imp Water Flg:**	Yes
Count:	1	**Fac Major Flag:**	-
Fac County:	ORANGE COUNTY	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	4	**Date Last Inspection:**	-
Latitude:	28.69264	**Days Last Inspection:**	-
Longitude:	-81.55862		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	FLR05H930
CWA Permit Types:	Non-M
CWA NAICS:	326199
CWA SICS:	3089
RCRA IDs:	FLR000218453
RCRA Permit Types:	VSQG
RCRA NAICS:	326199
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	No
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	
EJSCREEN Report:	
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110069227456
Industry:	Plastics and Resins

31	2 of2	WNW	0.28 / 1,499.70	119.38 / -3	BLOEM LLC APOPKA FL	PFAS IND

Status:	Active	**Fac Fips Code:**	12095
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	03080102	**EPA Programs:**	CWA; RCRA
Fac Derived Wbd:	030801020303	**Federal Facility:**	No
Fac Derived Cd113:	05	**Federal Agency:**	-
Fac Derived Cb2010:	120950179011113	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	Yes
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	32703FSKRS3WRAN
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	47.425	**TRI Reporter:**	-
Fac Pop Den:	986.9	**Fac Imp Water Flg:**	Yes
Count:	1	**Fac Major Flag:**	-
Fac County:	ORANGE	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	4	**Date Last Inspection:**	9/23/2008
Latitude:	28.69264	**Days Last Inspection:**	6024
Longitude:	-81.55862		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	FLR05G103
CWA Permit Types:	Non-M
CWA NAICS:	-
CWA SICS:	3089
RCRA IDs:	FLR000098244
RCRA Permit Types:	VSQG
RCRA NAICS:	326199
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	No
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EJSCREEN Flag Us:
EJSCREEN Report:
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110032773176

Industry: Plastics and Resins

Industry: Textiles and Leather

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	1 of1	W	0.29 / 1,534.95	118.79 / -3	MID-FLORIDA FREEZER WAREHOUSE 3004 GENERAL ELECTRIC ROAD PLYMOUTH FL	SWF/LF

Facility ID: 94728
Fac Type (Geodata): Solid Waste
Fac Stat (Geodata): Cleanup, Waste Removed
Status Dt (Geodat): 2007/06/18 00:00:00+00
Ownership (Geodat): Private
Zip4 (Geodata):
Zip5 (Geodata):
District (Geodata): CD
Office (Geodata): Central District
Resp Authority:
RA Address:
City1:
RA State:
Zip1:
RA Phone No.:
RA Email:
Site Supervisor:
SS Address:
City 1:
SS State:
Zip 1:
SS Phone No:
SS Email:
Land Owner: MID-FLORIDA FREEZER WAREHOUSE LIMITED
LO Address: P.O.BOX 572
City 2: CAPE CANAVERAL
LO State: FL
Zip 2: 32920
LO Phone No:
Facility Name (Geodata): MID-FLORIDA FREEZER WAREHOUSE
Address (Geodata): 3004 GENERAL ELECTRIC ROAD
City (Geodata): Plymouth
Documents (Geodata): https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/94728/gis-facility!search
Reports (Geodata): https://fldep.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Inventory_res2.asp?wacsid=94728
Info Portal Facility URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=94728
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=94728&CAT=8
Data Source: Solid Waste Facility Inventory Report; Florida DEP Geospatial Open Data

Class details

Class: OLD DUMP
Class Status: CLEANUP, WASTE REMOVED (C)

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest: Facility
Accuracy Level: 3
Accuracy: 1.1 - 10 meters
QA Status: Not Reviewed
Datum ID: NAD83
X: 637861.897099826
Y: 522336.179500343
Class:
Lat DD: 28
Lat MM: 41
Lat SS:
Long DD: 81
Long MM: 33
Long SS:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Class Status:
Proximity ID: Approximate feature location
Coord Method ID: Digital Aerial Photography

Solid Waste Facility Inventory Geospatial Open Data

Object of Interest:	General Disposal Area	**Lat DD:**	28
Accuracy Level:	3	**Lat MM:**	41
Accuracy:	1.1 - 10 meters	**Lat SS:**	
QA Status:	Reviewed	**Long DD:**	81
Datum ID:	NAD83	**Long MM:**	33
X:	637861.897099826	**Long SS:**	
Y:	522336.179500343		

Class: OLD DUMP
Class Status: Cleanup, Waste Removed
Proximity ID: Approximate feature location
Coord Method ID: Digital Aerial Photography

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of1	WNW	0.32 / 1,707.18	120.95 / -1	GENERAL ELECTRIC CO US 441 PLYMOUTH FL 32768	STCS

Facility ID:	8628029	**Clnup Cd (OD):**	
Type:	C - Fuel User/Non-Retail	**Fac Clnup Stat (OD):**	
Status:	Closed	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	CLOSED	**Contam (Map):**	
Fac Code (OD):	C	**Fac Type (Map):**	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	**Fac Stat (Map):**	CLOSED

Fac Name (OD): GENERAL ELECTRIC CO
Address (OD): US 441
City (OD): PLYMOUTH
County (OD): ORANGE
Zip5 (OD): 32768
Name (Map): GENERAL ELECTRIC CO
Address (Map): US 441
City (Map): PLYMOUTH
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32768
Address Line 1: Us 441
Address Line 2:
City: Plymouth
County: ORANGE
State: FL
Zip: 32768
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	16695	**Map Src:**	2004 doqqs
X:	-81.55870939	**Map Scale:**	5000
Y:	28.69369047	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	25-Jan-2007	**ALB East:**	638079.31
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	523191.27
Ver Meth:	DPHO	**Loc ID:**	16598
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	25-Jan-2007	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	VICIN	**Long MM:**	33

Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8628029/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	16598	**Rel Feat:**	VICIN
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	3058891232	**El Units:**	
Operator:	AMBROSE H. MAHL	**Map Src:**	2004 doqqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638079.31
OOIC:	FACILITY	**Alb North:**	523191.27
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	1/25/2007	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	1/25/2007	**Long SS:**	
Object ID:	16598		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8628029/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	General Electric Co Us 441 Plymouth, FL 32768
LL Method:	DPHO - Unverified
Account Owner:	General Electric Co
Contact:	Ambrose H. Mahl
Phone:	305-889-1232
District:	CD
County 1:	48 - Orange
Latitude:	28:41:37.2857
Longitude:	81:33:31.3538

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	5000
Content:	Leaded Gas
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	5000
Content:	Leaded Gas
Installed:	
Placement:	UNDER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Removed from Site
Construction:
Piping:
Monitoring:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of1	WNW	0.37 / 1,973.34	124.21 / 2	EUGENE KELLY 3455 N ORANGE BLOSSOM TRAIL PLYMOUTH FL 32768	STCS

Facility ID: 9502683
Type: A - Retail Station
Status: Closed
Status (OD): REVIEWED
Fac Stat (OD): CLOSED
Fac Code (OD): A
Facility 1: Retail Station
Fac Name (OD): EUGENE KELLY
Address (OD): 3455 N ORANGE BLOSSOM TRAIL
City (OD): PLYMOUTH
County (OD): ORANGE
Zip5 (OD): 32768
Name (Map): EUGENE KELLY
Address (Map): 3455 N ORANGE BLOSSOM TRAIL
City (Map): PLYMOUTH
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32768
Address Line 1: 3455 N Orange Blossom Trail
Address Line 2:
City: Plymouth
County: ORANGE
State: FL
Zip: 32768
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Retail Station
Fac Stat (Map): CLOSED

FDEP Storage Tank Monitoring Open Data Details

Object ID: 48317
X: -81.55884822
Y: 28.69480967
Regulated: NO
Col Meth: DPHO
Col Name: WOEBER_A
Col Date: 09-Jun-2006
Col Prog: TANKS-PETROLEUM CONTAMINATION
Ver Meth: DPHO
Ver Name: WOEBER_A
Ver Prog: TANKS-PETROLEUM CONTAMINATION
Ver Date: 09-Jun-2006
OOIC: FACILITY
Rel Feat: VICIN
Datum: HARN
Coord Acc: 4
Col Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Direct:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9502683/gis-facility!search

Map Src: 1999 doqs
Map Scale: 5000
Elevation:
El Datum:
El Resolut:
El Units:
ALB East: 638062.83
ALB North: 523315.12
Loc ID: 48830
Lat DD: 28
Lat MM: 41
Lat SS:
Long DD: 81
Long MM: 33
Long SS:

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID: 48830
Site Type: Retail Station
Contam Ind:
Phone:

Rel Feat: VICIN
El Datum:
El Resolut:
El Units:

Operator:		**Map Src:**	1999 doqs
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638062.83
OOIC:	FACILITY	**Alb North:**	523315.12
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	6/9/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/9/2006	**Long SS:**	
Object ID:	48830		

Col Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Ver Aff: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9502683/gis-facility!search

Storage Tank Contaminated Facility Name & Address Search Details

Name: Eugene Kelly
3455 N Orange Blossom Trail
Plymouth, FL 32768
LL Method: DPHO
Account Owner: Kelly, Eugene
Contact:
Phone:
District: CD
County 1: 48 - Orange
Latitude: 28:41:41.3148
Longitude: 81:33:31.8536

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 4
Size: 500
Content: Vehicular Diesel
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 2
Size: 1000
Content: Unleaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 1000
Content: Unleaded Gas
Installed:
Placement: UNDER
Status: Removed from Site

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 3
Size: 1000
Content: Unleaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

35	1 of1	S	0.39 / 2,049.75	97.77 / -24	NEW NURSERY 2508 PETERSON RD PLYMOUTH FL 32768	STCS

Facility ID: 8732704
Type: M - Agricultural
Status: Open
Status (OD): REVIEWED
Fac Stat (OD): OPEN
Fac Code (OD): M
Facility 1: Agricultural
Fac Name (OD): NEW NURSERY
Address (OD): 2508 PETERSON RD
City (OD): PLYMOUTH
County (OD): ORANGE
Zip5 (OD): 32768
Name (Map): NEW NURSERY
Address (Map): 2508 PETERSON RD
City (Map): PLYMOUTH
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32768
Address Line 1: 2508 Peterson Rd
Address Line 2:
City: Plymouth
County: ORANGE
State: FL
Zip: 32768
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Agricultural
Fac Stat (Map): OPEN

FDEP Storage Tank Monitoring Open Data Details

Object ID: 23385
X: -81.55175111
Y: 28.68348214
Regulated: NO
Col Meth: ADDM
Col Name: INITIAL LOAD
Col Date:
Col Prog: TANKS-PETROLEUM CONTAMINATION
Ver Meth: DPHO
Ver Name: WOEBER_A
Ver Prog: TANKS-PETROLEUM CONTAMINATION
Ver Date: 08-Jun-2006
OOIC: FACILITY
Rel Feat: EXACT
Datum:
Coord Acc: 3

Map Src: 1999 doqs
Map Scale: 4908
Elevation:
El Datum:
El Resolut:
El Units:
ALB East: 638779.72
ALB North: 522071.19
Loc ID: 16502
Lat DD: 28
Lat MM: 41
Lat SS:
Long DD: 81
Long MM: 33
Long SS:

Col Aff:	
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Direct:	
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8732704/gis-facility!search

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	16502	**Rel Feat:**	EXACT
Site Type:	Agricultural	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4078862661	**El Units:**	
Operator:	WARE JOHN A	**Map Src:**	1999 doqs
Next action:		**Map Scale:**	4908
Fin Respon:		**Coord Acc:**	3
Office:	CD	**Alb East:**	638779.72
OOIC:	FACILITY	**Alb North:**	522071.19
Col Meth:	ADDM	**Datum:**	
Col Name:	INITIAL LOAD	**Elevation:**	
Col Date:		**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	6/8/2006	**Long SS:**	
Object ID:	16502		
Col Aff:			
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8732704/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	New Nursery 2508 Peterson Rd Plymouth, FL 32768
LL Method:	ADDM - Address Matching
Account Owner:	Ware, John A
Contact:	Ware John A
Phone:	407-886-2661
District:	CD
County 1:	48 - Orange
Latitude:	28:41:00.5357
Longitude:	81:33:06.3040

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	2
Size:	10000
Content:	Fuel Oil - Onsite Heat
Installed:	
Placement:	ABOVE
Status:	In Service
Construction:	D - Unknown
Piping:	B - Steel/Galvanized Metal
Monitoring:	I - Not Required

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	4000
Content:	Unleaded Gas
Installed:	07/01/1979
Placement:	UNDER
Status:	Removed from Site
Construction:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Piping:						
Monitoring:						
36	1 of1	W	0.40 / 2,110.40	115.21 / -7	MID-FLORIDA FREEZER WAREHOUSE (FORMER) GENERAL ELECTRIC ROAD PLYMOUTH FL	DWM CONTAM

Facility ID:	247	Contact:	
Site ID:	ERIC_12679	Phone:	
Program Area:		Method:	
Facility Type:		Datum:	
Fac Type:		Related Party ID:	
County ID:	48	Primary RP Role:	
Ftc1 Fac Type ID:		RP Begin Date:	
Stcm Facility Type:	FIESTA	RP Address1:	
District:	CD	RP Address2:	
Site Status:		RP City:	
Section:		RP State:	
Township:		RP Zip5:	
County:	Orange	RP Zip4:	
Range:		RP Phone:	
Rank:		RP Extension:	
Operator:		RP Bad Addr Ind:	
Name Changed:		RP Name:	
Addr Changed:			
Facility Name:	Mid - Florida Freezer - Enviroworks		
Description:			

Program Details

Facility Status:		Staff Assigned:	
Offsite Contam:		Priority:	
Priority Score:		Score Effective Dt:	
Project Coordinato:		Score When Ranked:	
Program Eligible:		District:	
Ineligible:		Datum:	NAD83
Program Area:	RESPONSPARTY	Method:	DPHO
Site Manager:	Tracy Jewsbury	Lat DD:	28
Discharge Date:		Lat MM:	41
Discharge Eligibil:		Lat SS:	20.5661
Eligibility Progrm:		Long DD:	81
Cleanup Status:	Closed-ERIC	Long MM:	33
Closure Type:		Long SS:	37.5638
Closure Date:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	1 of1	W	0.40 / 2,111.65	115.21 / -7	Mid - Florida Freezer - Enviroworks GENERAL ELECTRIC ROAD PLYMOUTH FL	ERIC

Eric ID:	ERIC_12679	Offste Contami Key:	CONTAMUNKNOWN
Site Status:	CLOSED	Se Anno Cad Data:	
Source Facility ID:	247	State:	FL
District:	CD	County Name:	Orange
WMD:	SFWMD	County ID:	48
ICR Indicator:	NO	Datum ID:	NAD83
Discharge Date Dt:		Geometry:	
Method ID:	DPHO	X:	-81.56043057914196
Object of Interest:	CAP_R	Y:	28.689041667331097
Proximit to Object:	EXACT	Lat DD:	28
Collector Username:	MELTON_D	Lat MM:	41
Collect Date Dt:		Lat SS:	20.5661
Map Source:	1999 doqs	Long DD:	81
Map Source Scale:	5000	Long MM:	33
Intrpolation Scale:		Long SS:	37.5638

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Coord Accuracy ID: 4 **Gis Albx:** 637921.38
Site Phase Dsc: Phase 5 - Cleanup Complete **Gis Alby:** 522671.51
Site Name: MID-FLORIDA FREEZER WAREHOUSE (FORMER)
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12679/gis-facility!search

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETEWITHCOND
Site Manager: Tracy Jewsbury

38	1 of1	W	0.40 / 2,112.47	115.21 / -7	MID-FLORIDA FREEZER WAREHOUSE (FORMER) GENERAL ELECTRIC ROAD PLYMOUTH FL	WCRPS

Site ID: 266844 **Coord Accuracy ID:** 4
Datum ID: NAD83 **Zip5:**
Method ID: DPHO **Zip4:**
Feature: dioxin, arsenic in soils **County ID:** 48
Object of Interest: CAP_RAP SITE **County:** ORANGE
Proximity to Object: EXACT **Lat DD:** 28
Interpolation Scale: **Lat MM:** 41
Map Source: 1999 doqs **Long DD:** 81
Map Source Scale: 5000 **Long MM:** 33
Collect Program ID: CL
Collect Username: MELTON_D
Collect Affiliation:
Verifying Program ID: CL
Verify Method ID: DPHO
Verifier Username: WOEBER_A
Verifier Affiliation: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Project Name: MID-FLORIDA FREEZER WAREHOUSE (FORMER)
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_266844/gis-facility!search

Project Details

Project ID: 293730 **District:** CD
OGC No: **GIS ALBX:** 637921.38
Status: CLOSED **GIS ALBY:** 522671.51
Priority Score: **Source:** Closed Responsible Party Sites
Offsite COC:
Contaminants:

39	1 of7	WNW	0.40 / 2,113.97	120.53 / -1	FISKARS BRANDS INC 3000 W ORANGE AVE APOPKA FL 32703	LST

Facility ID: 9503025 **Facility Status:** CLOSED
Facility Name: FISKARS BRANDS INC **Facility ID (Map):** 9503025
Facility Address: 3000 W ORANGE AVE **Fac Name (Map):** FISKARS BRANDS INC
Facility Address2: **Fac Address (Map):** 3000 W ORANGE AVE
Facility City: APOPKA **City (Map):** APOPKA
County: ORANGE **County (Map):** ORANGE
Facility State: FL **Fac Zip (Map):** 32703
Facility Zip: 32703 **Latitude (Map):** 28.6944444444477
Facility Type: E - Industrial Plant **Longitude (Map):** -81.5627777777798
Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9503025&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9503025
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9503025/facility!search
Data Source: STCM Database Reports -Historical Contaminated Facilities List; FDEP-Geospatial Open Data - Petroleum Contamination Monitoring (PCTS) Discharges (Map); STCM Database Queries - Petroleum Cleanup Funding CAP To Date Report; Commonly Requested Reports - All Ineligible Discharges.; STCM Public Reports-Tank Facility - Discharge Information

Discharge Cleanup Summary

Discharge Date:	8/17/1994	***Information Source:***	D - DISCHARGE NOTIFICATION
Cleanup Required:	R - CLEANUP REQUIRED	***Eligib Indicator:***	I - INELIGIBLE
Dschrg Clnup Status:	SRCR - SRCR COMPLETE	***Site Manager:***	SMEENK_S
Dschrg Clnup Stat Dt:	4/11/2002	***Site Manager End Dt:***	3/6/2002
Cleanup Work Stat:	COMPLETED		
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		

Contaminated Media

Contaminated Drinking Wells:	
Contaminated Mntring Wells:	YES
Contaminated Soil:	YES
Contaminated Surface Water:	
Contaminated Ground Water:	YES
Pollutant:	D - Vehicular Diesel
Other Description:	
Gallons Discharged:	

Task Info

SA Task ID:	66388	***SR Soil Treatment:***	
SA Cleanup Resp:	-	***SR Other Treatment:***	
SA Actual Cost:		***SR Alt Proc Rec:***	
SA Complete Date:		***RAP Task ID:***	64013
SA Payment Date:		***RAP Clean Resp ID:***	-
SR Task ID:		***RAP Actual Cost:***	
SR Cleanup Resp:	-	***RAP Complete Date:***	
SR Actual Cost:		***RAP Payment Date:***	
SR Complete Date:		***RAP Last Ord Appr:***	
SR Payment Date:		***RA Task ID:***	65019
SR Oral Date:		***RA Cleanup Resp:***	-
SR Written Date:		***RA Yrs to Complete:***	0
SR Soil Removal:		***RA Actual Cost:***	
SR Free Prod Rmvl:		***Tank Office:***	PCLP59 - Seminole County
SR Soil Ton Remove:			

SR Fund Elig Type:	-
SA Fund Elig Type:	-
RAP Fund Elig Type:	-
RA Fund Elig Type:	-
SR Alternate Procedure Status:	
SR Alt Procedure Status Dt:	
SR Alt Procedure Comment:	
SRC Action Type:	SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date:	2/8/2002
SRC Review Date:	03-04-2002
SRC Complete Status:	A - APPROVED
SRC Comp Status Dt:	04-02-2002
SRC Issue Date:	04-11-2002
SRC Comments:	

Petroleum Cleanup PCT Facility Score

Related Party ID:	50601
RP Contact:	DAVE DUNN
Facility Cleanup Status:	CMPL - COMPLETED
Bad Address Indicator:	N
Rank:	

Discharge Info (Map)

Discharge:	50063	**Facility Status:**	CLOSED
Discharge 1:	17-Aug-1994	**Staff Assi:**	
Discharge 2:		**Eligibility:**	INELIGIBLE
Discharge 3:	SRCR	**Eligibility 1:**	
Disch Clea:	11-Apr-2002	**Rel Feat:**	VICIN
General Cl:	CLOSURE	**Collection:**	AGPS
Lat Dd:	28	**Collector :**	INITIAL LOAD
Lat Mm:	41	**Collecti 1:**	30-Nov-1899
Lat Ss:		**Report Pha:**	COMPLETED
Long Dd:	81	**Report Sub:**	COMPLETED
Long Mm:	33	**Report S 1:**	11-Apr-2002
Long Ss:			
Tank Offic:	ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV		
Document Link:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9503025/facility!search		

AST UST Discharges

Dep Co:	P	**Long MM:**	33
CU Req:	R	**Long SS:**	46
Score:		**Stat Desc:**	SRCR COMPLETE
Descrip:	CLEANUP REQUIRED	**Fac Name:**	FISKARS BRANDS INC
Discharge Date:	17-Aug-94	**Fac Type:**	E
Score Date:		**Type Desc:**	Industrial Plant
Stat Date:	11-Apr-02	**Fac Addr:**	3000 W ORANGE AVE
LL Meth:	AGPS	**Fac City:**	APOPKA
Lat DD:	28	**Fac Zip:**	32703
Lat MM:	41	**County:**	48
Lat SS:	40	**Fac State:**	CLOSED
Long DD:	81	**Fac Phone:**	4075534001
Prg Desc:			

Ineligible Discharges

Discharge Date:	8/17/1994
Score:	
Current Status:	CLOSED
Facility:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
City:	APOPKA
Zip:	32703
County:	ORANGE
Owner:	FISKARS
Owner Address:	3000 W ORANGE AVE
Ownercity:	APOPKA
Owner State:	FL
Owner Zip:	32703
Owner Phone:	(407)553-4001
Owner Email:	

Historical Contaminated Facilities List

Facility ID:	9503025	**Score:**	
Facility Status:	CLOSED	**Score Effective Dt:**	
Facility Type:	E - Industrial Plant	**Score When Ranked:**	
Facility Name:	FISKARS BRANDS INC	**Rank:**	
Address1:	3000 W ORANGE AVE	**Operator:**	DAVID DUNN
Address2:		**Phone:**	(407)553-4001
City:	APOPKA	**Section:**	
County Name:	ORANGE	**Township:**	
County:	48	**Range :**	
District:	CD	**Pri Related Party ID:**	50601
State :	FL	**Primary Rp Role:**	ACCOUNT OWNER
Zip5:	32703	**Rp Begin Date:**	8/16/2000
Zip4:	3347	**Rp Name:**	FISKARS
Name Changed:	6/4/2007	**Rp Address1:**	3000 W ORANGE AVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Addr Changed:	10/11/2011	**Rp Address2:**	
Lat Dd:	28	**Rp City:**	APOPKA
Lat Mm:	41	**Rp State:**	FL
Lat Ss:	40	**Rp Zip5:**	32703
Long Dd:	81	**Rp Zip4:**	
Long Mm:	33	**Contact:**	DAVE DUNN
Long Ss:	46	**Rp Phone:**	(407)553-4001
Feature:		**Rp Phone Extension:**	
Method:	AGPS	**Rp Bad Addr Ind:**	No
Datum:			

39	2 of7	WNW	0.40 / 2,113.97	120.53 / -1	**FISKARS BRANDS, INC.** **3000 WEST ORANGE AVENUE** **APOPKA FL**	WCRPS

Site ID:	342206	**Coord Accuracy ID:**	3
Datum ID:	NAD83	**Zip5:**	32703
Method ID:	DPHO	**Zip4:**	
Feature:		**County ID:**	48
Object of Interest:	CAP_RAP SITE	**County:**	ORANGE
Proximity to Object:	APPRX	**Lat DD:**	28
Interpolation Scale:	5000	**Lat MM:**	41
Map Source:	IMAGERY_11_13	**Long DD:**	81
Map Source Scale:	5000	**Long MM:**	33

Collect Program ID:	CL
Collect Username:	HEAVISIDE_C
Collect Affiliation:	Florida Department of Environmental Protection
Verifying Program ID:	CL
Verify Method ID:	DPHO
Verifier Username:	HEAVISIDE_C
Verifier Affiliation:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Project Name:	FISKARS BRANDS, INC.
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_342206/gis-facility!search

Project Details

Project ID:	350470	**District:**	CD
OGC No:	N	**GIS ALBX:**	637782.64
Status:	CLOSED	**GIS ALBY:**	523308.83
Priority Score:		**Source:**	Closed Responsible Party Sites
Offsite COC:	N		
Contaminants:			

39	3 of7	WNW	0.40 / 2,113.97	120.53 / -1	**Bloem LLC** **3000 WEST ORANGE AVENUE** **APOPKA FL 32703**	ERIC

Eric ID:	ERIC_12847	**Offste Contami Key:**	NOCONTAM
Site Status:	CLOSED	**Se Anno Cad Data:**	
Source Facility ID:	31341	**State:**	FL
District:	CD	**County Name:**	Orange
WMD:	SFWMD	**County ID:**	48
ICR Indicator:	NO	**Datum ID:**	NAD83
Discharge Date Dt:		**Geometry:**	
Method ID:	DPHO	**X:**	-81.56172360752797
Object of Interest:	CAP_R	**Y:**	28.694804071033825
Proximit to Object:	APPRX	**Lat DD:**	28
Collector Username:	HEAVISIDE_C	**Lat MM:**	41
Collect Date Dt:		**Lat SS:**	41.2947
Map Source:	IMAGERY_11_13	**Long DD:**	81
Map Source Scale:	5000	**Long MM:**	33
Intrpolation Scale:	5000	**Long SS:**	42.2048
Coord Accuracy ID:	3	**Gis Albx:**	637782.64
Site Phase Dsc:	Phase 5 - Cleanup Complete	**Gis Alby:**	523308.83

Site Name:	FISKARS BRANDS, INC.
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12847/gis-facility!search

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Details

Program:	Responsible Party Cleanup
Program Type:	RESPONSPARTY
Program Status:	COMPLETE
Site Manager:	Carolin Heaviside

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	4 of7	WNW	0.40 / 2,113.97	120.53 / -1	FISKARS BRANDS, INC. 3000 WEST ORANGE AVENUE APOPKA FL 32703	DWM CONTAM

Facility ID:	31341	***Contact:***	
Site ID:	ERIC_12847	***Phone:***	
Program Area:		***Method:***	
Facility Type:		***Datum:***	
Fac Type:		***Related Party ID:***	
County ID:	48	***Primary RP Role:***	
Ftc1 Fac Type ID:		***RP Begin Date:***	
Stcm Facility Type:	FIESTA	***RP Address1:***	
District:	CD	***RP Address2:***	
Site Status:		***RP City:***	
Section:		***RP State:***	
Township:		***RP Zip5:***	
County:	Orange	***RP Zip4:***	
Range:		***RP Phone:***	
Rank:		***RP Extension:***	
Operator:		***RP Bad Addr Ind:***	
Name Changed:		***RP Name:***	
Addr Changed:			
Facility Name:	Bloem LLC		
Description:			

Program Details

Facility Status:		***Staff Assigned:***	
Offsite Contam:		***Priority:***	
Priority Score:		***Score Effective Dt:***	
Project Coordinato:		***Score When Ranked:***	
Program Eligible:		***District:***	
Ineligible:		***Datum:***	NAD83
Program Area:	RESPONSPARTY	***Method:***	DPHO
Site Manager:	Carolin Heaviside	***Lat DD:***	28
Discharge Date:		***Lat MM:***	41
Discharge Eligibil:		***Lat SS:***	41.2947
Eligibility Progrm:		***Long DD:***	81
Cleanup Status:	Closed-ERIC	***Long MM:***	33
Closure Type:		***Long SS:***	42.2048
Closure Date:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	5 of7	WNW	0.40 / 2,113.97	120.53 / -1	FISKARS BRANDS INC 3000 W ORANGE AVE APOPKA FL 32703	STCS

Facility ID:	9503025	***Clnup Cd (OD):***	CMPL
Type:	E - Industrial Plant	***Fac Clnup Stat (OD):***	COMPLETED
Status:	Closed	***Clnup Dt (OD):***	20-May-2010
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	CLOSED	***Contam (Map):***	
Fac Code (OD):	E	***Fac Type (Map):***	Industrial Plant
Facility 1:	Industrial Plant	***Fac Stat (Map):***	CLOSED
Fac Name (OD):	FISKARS BRANDS INC		
Address (OD):	3000 W ORANGE AVE		
City (OD):	APOPKA		
County (OD):	ORANGE		

Zip5 (OD):	32703
Name (Map):	FISKARS BRANDS INC
Address (Map):	3000 W ORANGE AVE
City (Map):	APOPKA
County (Map):	48
Zip4 (Map):	3347
Zip5 (Map):	32703
Address Line 1:	3000 W Orange Ave
Address Line 2:	
City:	Apopka
County:	ORANGE
State:	FL
Zip:	32703- 3347
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	47827	**Map Src:**	
X:	-81.56277778	**Map Scale:**	
Y:	28.69444444	**Elevation:**	
Regulated:	NO	**El Datum:**	
Col Meth:	AGPS	**El Resolut:**	
Col Name:	INITIAL LOAD	**El Units:**	
Col Date:		**ALB East:**	
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	
Ver Meth:	DPHO	**Loc ID:**	49172
Ver Name:	RAUENZAHN_R48	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	26-Sep-2003	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	VICIN	**Long MM:**	33
Datum:		**Long SS:**	
Coord Acc:			
Col Aff:			
Ver Aff:	CONTRACTOR		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9503025/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	49172	**Rel Feat:**	VICIN
Site Type:	Industrial Plant	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	4075534001	**El Units:**	
Operator:	DAVID DUNN	**Map Src:**	
Next action:	PLACARD 06-JUN-2011	**Map Scale:**	
Fin Respon:		**Coord Acc:**	
Office:	CD	**Alb East:**	
OOIC:	FACILITY	**Alb North:**	
Col Meth:	AGPS	**Datum:**	
Col Name:	INITIAL LOAD	**Elevation:**	
Col Date:		**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	RAUENZAHN_R48	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	9/26/2003	**Long SS:**	
Object ID:	49172		
Col Aff:			
Ver Aff:	CONTRACTOR		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9503025/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name: Fiskars Brands Inc
3000 W Orange Ave
Apopka, FL 32703- 3347
LL Method: AGPS - Autonomous GPS
Account Owner: Fiskars
Contact: David Dunn
Phone: 407-553-4001
District: CD
County 1: 48 - Orange
Latitude: 28:41:40.0000
Longitude: 81:33:46.0000

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 1
Size: 1000
Content: Waste Oil
Installed: 06/01/1995
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

39	6 of7	WNW	0.40 / 2,113.97	120.53 / -1	414/429 EXPRESSWAY EXPANSION 3000 ORANGE APOPKA FL 32712	STCS

Facility ID: 9812980
Type: C - Fuel User/Non-Retail
Status: Closed
Status (OD): REVIEWED
Fac Stat (OD): CLOSED
Fac Code (OD): C
Facility 1: Fuel user/Non-retail
Fac Name (OD): 414/429 EXPRESSWAY EXPANSION
Address (OD): 3000 ORANGE
City (OD): APOPKA
County (OD): ORANGE
Zip5 (OD): 32712
Name (Map): 414/429 EXPRESSWAY EXPANSION
Address (Map): 3000 ORANGE
City (Map): APOPKA
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32712
Address Line 1: 3000 Orange
Address Line 2:
City: Apopka
County: ORANGE
State: FL
Zip: 32712
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Fuel user/Non-retail
Fac Stat (Map): CLOSED

FDEP Storage Tank Monitoring Open Data Details

Object ID: 66650
X: -81.559
Y: 28.6954
Regulated: NO
Col Meth: DPHO
Col Name: Williams_CA
Col Date: 19-Mar-2013
Map Src: imagery_04_09
Map Scale: 5000
Elevation:
El Datum:
El Resolut:
El Units:
ALB East: 638046.9

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	523380.25
Ver Meth:	DPHO	**Loc ID:**	66345
Ver Name:	Williams_CA	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Date:	19-Mar-2013	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	APPRX	**Long MM:**	33
Datum:	NAD83	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9812980/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	66345	**Rel Feat:**	APPRX
Site Type:	Fuel user/Non-retail	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	3212510594	**El Units:**	
Operator:	SEMA CONSTRUCTION	**Map Src:**	imagery_04_09
Next action:		**Map Scale:**	5000
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	638046.9
OOIC:	FACILITY	**Alb North:**	523380.25
Col Meth:	DPHO	**Datum:**	NAD83
Col Name:	Williams_CA	**Elevation:**	
Col Date:	3/19/2013	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	41
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	Williams_CA	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	33
Ver Date:	3/19/2013	**Long SS:**	
Object ID:	66345		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9812980/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	414/429 Expressway Expansion 3000 Orange Apopka, FL 32712
LL Method:	DPHO
Account Owner:	Central Environmental Service
Contact:	Sema Construction
Phone:	321-251-0594
District:	CD
County 1:	48 - Orange
Latitude:	28:41:43.4400
Longitude:	81:33:32.4000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	7 of7	WNW	0.40 / 2,113.97	120.53 / -1	FISKARS BRANDS INC 3000 W ORANGE AVE APOPKA FL 32703	DWM CONTAM

Facility ID:	9503025	**Contact:**	
Site ID:	9503025	**Phone:**	
Program Area:		**Method:**	
Facility Type:		**Datum:**	
Fac Type:		**Related Party ID:**	
County ID:	48	**Primary RP Role:**	
Ftc1 Fac Type ID:	E	**RP Begin Date:**	
Stcm Facility Type:	E	**RP Address1:**	
District:	CD	**RP Address2:**	
Site Status:		**RP City:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Section:		**RP State:**	
Township:		**RP Zip5:**	
County:	Orange	**RP Zip4:**	
Range:		**RP Phone:**	
Rank:		**RP Extension:**	
Operator:		**RP Bad Addr Ind:**	
Name Changed:		**RP Name:**	
Addr Changed:			
Facility Name:	FISKARS BRANDS INC		
Description:	Industrial Plant		

Program Details

Facility Status:		**Staff Assigned:**	
Offsite Contam:		**Priority:**	
Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	
Program Area:	PETROLEUM	**Method:**	AGPS
Site Manager:		**Lat DD:**	28
Discharge Date:	08/17/1994	**Lat MM:**	41
Discharge Eligibil:	I	**Lat SS:**	40
Eligibility Progrm:		**Long DD:**	81
Cleanup Status:	CLOSED-STCM	**Long MM:**	33
Closure Type:	SRCR	**Long SS:**	46
Closure Date:	04/11/2002		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
40	1 of1	SSE	0.41 / 2,168.91	82.77 / -39	GATOR GROWERS NURSERY S SR 437 PLYMOUTH FL 32768	STCS

Facility ID:	8734898	**Clnup Cd (OD):**	
Type:	M - Agricultural	**Fac Clnup Stat (OD):**	
Status:	Open	**Clnup Dt (OD):**	
Status (OD):	REVIEWED	**Status (Map):**	REVIEWED
Fac Stat (OD):	OPEN	**Contam (Map):**	
Fac Code (OD):	M	**Fac Type (Map):**	Agricultural
Facility 1:	Agricultural	**Fac Stat (Map):**	OPEN
Fac Name (OD):	GATOR GROWERS NURSERY		
Address (OD):	S SR 437		
City (OD):	PLYMOUTH		
County (OD):	ORANGE		
Zip5 (OD):	32768		
Name (Map):	GATOR GROWERS NURSERY		
Address (Map):	S SR 437		
City (Map):	PLYMOUTH		
County (Map):	48		
Zip4 (Map):			
Zip5 (Map):	32768		
Address Line 1:	S Sr 437		
Address Line 2:			
City:	Plymouth		
County:	ORANGE		
State:	FL		
Zip:	32768		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	25250	**Map Src:**	2004 doqqs
X:	-81.54622056	**Map Scale:**	4999
Y:	28.68317844	**Elevation:**	
Regulated:	NO	**El Datum:**	

Col Meth:	DPHO	**El Resolut:**	
Col Name:	WOEBER_A	**El Units:**	
Col Date:	18-Dec-2006	**ALB East:**	639319.85
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	522048.15
Ver Meth:	DPHO	**Loc ID:**	16393
Ver Name:	WOEBER_A	**Lat DD:**	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	40
Ver Date:	18-Dec-2006	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	APPRX	**Long MM:**	32
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734898/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	16393	**Rel Feat:**	APPRX
Site Type:	Agricultural	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:		**El Units:**	
Operator:	GATOR GROWERS NURSERY	**Map Src:**	2004 doqqs
Next action:		**Map Scale:**	4999
Fin Respon:		**Coord Acc:**	4
Office:	CD	**Alb East:**	639319.85
OOIC:	FACILITY	**Alb North:**	522048.15
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	WOEBER_A	**Elevation:**	
Col Date:	12/18/2006	**Lat DD:**	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	40
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	WOEBER_A	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	32
Ver Date:	12/18/2006	**Long SS:**	
Object ID:	16393		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734898/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Gator Growers Nursery S Sr 437 Plymouth, FL 32768
LL Method:	DPHO - Autonomous GPS
Account Owner:	Gator Growers Nursery
Contact:	Gator Growers Nursery
Phone:	
District:	CD
County 1:	48 - Orange
Latitude:	28:40:59.4424
Longitude:	81:32:46.3940

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	1
Size:	500
Content:	Fuel Oil - Onsite Heat
Installed:	
Placement:	UNDER
Status:	In Service
Construction:	D - Unknown
Piping:	Y - Unknown
Monitoring:	I - Not Required

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	1 of2	E	0.51 / 2,685.53	107.04 / -15	LOWE'S OF APOPKA STORE L-2223 1651 W ORANGE BLOSSOM TRAIL APOPKA FL	WCRPS

Site ID: 277540
Datum ID: NAD83
Method ID: DPHO
Feature: at loc pesticide in soils
Object of Interest: CAP_RAP SITE
Proximity to Object: EXACT
Interpolation Scale:
Map Source:
Map Source Scale:
Collect Program ID:
Collect Username: JEWSBURY_T
Collect Affiliation:
Verifying Program ID:
Verify Method ID:
Verifier Username:
Verifier Affiliation:
Project Name: LOWE'S OF APOPKA STORE L-2223
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_277540/gis-facility!search

Coord Accuracy ID:
Zip5:
Zip4:
County ID: 48
County: ORANGE
Lat DD: 28
Lat MM: 41
Long DD: 81
Long MM: 32

Project Details

Project ID: 306043
OGC No:
Status: CLOSED
Priority Score:
Offsite COC:
Contaminants:

District: CD
GIS ALBX: 639846.02
GIS ALBY: 522799.53
Source: Closed Responsible Party Sites

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	2 of2	E	0.51 / 2,685.53	107.04 / -15	Lowes of Apopka FL #2673 1651 W ORANGE BLOSSOM TRAIL APOPKA FL	ERIC

Eric ID: ERIC_12693
Site Status: CLOSED
Source Facility ID: 81192
District: CD
WMD: SFWMD
ICR Indicator: NO
Discharge Date Dt:
Method ID:
Object of Interest: CAP_R
Proximit to Object: EXACT
Collector Username: JEWSBURY_T
Collect Date Dt:
Map Source:
Map Source Scale:
Intrpolation Scale:
Coord Accuracy ID:
Site Phase Dsc: Phase 5 - Cleanup Complete
Site Name: LOWE'S OF APOPKA STORE L-2223
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_12693/gis-facility!search

Offste Contami Key: CONTAMUNKNOWN
Se Anno Cad Data:
State: FL
County Name: Orange
County ID: 48
Datum ID: NAD83
Geometry:
X: -81.54067497420868
Y: 28.689849986911724
Lat DD: 28
Lat MM: 41
Lat SS: 23.46
Long DD: 81
Long MM: 32
Long SS: 26.43
Gis Albx: 639846.02
Gis Alby: 522799.53

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Manager:		Tracy Jewsbury				

42	1 of2	ESE	0.69 / 3,644.19	112.97 / -9	**Alysa Cleaners** **1541 W US Hwy 441** **Apopka FL 34761-2935**	CLEANUP DEP

Source Database:	ERIC	**Verifer Username:**	ERIC_HAZARD_INIT_LOAD
Source Database ID:	ERIC_5003	**Verif Status:**	REVIEWED
RSC2 Remed Status:	ONHOLD	**Verifer Affiliatn:**	
Collect Username:	ERIC_HAZARD_INIT_LOAD	**Verification Date:**	2016/06/23
Collect Date:	2016/06/23	**Verif Coord Method:**	WGPS
Collect Affiliatn:		**DC4 Datum ID:**	NAD83
OIC Object:	FACIL	**Interpolat:**	
PC2 Proximity ID:	ENTRA	**Map Source:**	
CALC Coord Acc:	3	**Map Sour 1:**	
Coordinate Method:	WGPS	**County:**	ORANGE
Cc2 County:	48	**Latitude D:**	28
Oc3 Office:	CD	**Latitude M:**	41
Point Y:	28.68789565	**Longitude D:**	81
Point X:	-81.5367763	**Longitude M:**	32
Geometry:			

Details

Object ID:	10758
CPAC Program Area ID:	DC
CLCC Cleanup Category Key:	OTHCU
DEP Cleanup Site Key:	82901077
Data Load Date:	2025/02/19
Comments:	Alternate ID: 489501420
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_5003/facility!search

42	2 of2	ESE	0.69 / 3,644.19	112.97 / -9	**ALYSA CLEANERS** **1541 W US Hwy 441** **Apopka FL 34761**	ERIC

Eric ID:	ERIC_5003	**Offste Contami Key:**	CONTAMUNKNOWN
Site Status:	ONHOLD	**Se Anno Cad Data:**	
Source Facility ID:	9501420	**State:**	FL
District:	CD	**County Name:**	Orange
WMD:	SFWMD	**County ID:**	48
ICR Indicator:	NO	**Datum ID:**	NAD83
Discharge Date Dt:		**Geometry:**	
Method ID:	WGPS	**X:**	-81.53677627730352
Object of Interest:	FACIL	**Y:**	28.687895694714744
Proximit to Object:	ENTRA	**Lat DD:**	28
Collector Username:	ERIC_HAZARD_INIT_LOAD	**Lat MM:**	41
Collect Date Dt:	2016-06-23 00:00:00 UTC	**Lat SS:**	16.4245
Map Source:		**Long DD:**	81
Map Source Scale:		**Long MM:**	32
Intrpolation Scale:		**Long SS:**	12.3946
Coord Accuracy ID:	3	**Gis Albx:**	640230.525354
Site Phase Dsc:	Phase 1 - Initial Assessment	**Gis Alby:**	522590.129769
Site Name:	Alysa Cleaners		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_5003/gis-facility!search		

Program Details

Program:	Drycleaning Solvent Cleanup Program
Program Type:	DRYCLEANING
Program Status:	AWAITFUND
Site Manager:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	1 of1	W	0.88 / 4,664.03	119.23 / -3	WHITE SAND NURSERIES 650 S HERMIT SMITH RD Plymouth FL 32768	ERIC

Eric ID:	ERIC_15406	**Offste Contami Key:**	NOCONTAM
Site Status:	CLOSEDWCOND	**Se Anno Cad Data:**	
Source Facility ID:	8735437	**State:**	FL
District:	CD	**County Name:**	Orange
WMD:	SJRWMD	**County ID:**	48
ICR Indicator:	YES	**Datum ID:**	WGS84
Discharge Date Dt:		**Geometry:**	
Method ID:	DPHO	**X:**	-81.56927199963188
Object of Interest:	FACIL	**Y:**	28.692305862281472
Proximit to Object:	APPRX	**Lat DD:**	28
Collector Username:	WILLIAMS_CA	**Lat MM:**	41
Collect Date Dt:	2024-08-08 00:00:00 UTC	**Lat SS:**	32.3011
Map Source:		**Long DD:**	81
Map Source Scale:		**Long MM:**	34
Intrpolation Scale:	0	**Long SS:**	9.3792
Coord Accuracy ID:	1	**Gis Albx:**	637052.078665
Site Phase Dsc:	Phase 5 - Cleanup Complete	**Gis Alby:**	523016.914558

Site Name: Former White Sands Nursery
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_15406/gis-facility!search

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETEWITHCOND
Site Manager:

Unplottable Summary

Total: 37 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
AST	HI-ACRES SERVICES	ORANGE AVENUE AND HWY 431	FOREST CITY FL	32571	894398028
		***Facility ID	Facility Status:*** 8516652 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE | 31-JAN-1989, B - REMOVED FROM SITE | 31-JAN-1987, B - REMOVED FROM SITE | 31-JAN-1989, B - REMOVED FROM SITE | 31-JAN-1989		
AST	HUBBARD CONSTRUCTION CO	1ST ST - OFF HWY 441 AT TURNPIKE	ORLANDO FL	32824	894392172
		***Facility ID	Facility Status:*** 8521485 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE |		
HIST RISK	Harry's Truck Stop	414 8 Orange Blossom Trail	Orlando FL		923745676
HIST RISK	Southerland John E	2201 8 Orange Blossom Trall	Orlando FL		923739679
HIST RISK	Balley's Service Station	2699 Orange Blossom	Orlando FL		923738753
HIST RISK	Stevens Otts A	641 Orange av	Orlando FL		923729910
HIST RISK	Atlantic Service Center	1387 Orange av	Orlando FL		923749641
HIST RISK	Rogers Joseph B	3975 8 Orange Blossom Trail	Orlando FL		923746653
HIST RISK	Ward J Walker	N Orange av N Orlando	Orlando FL		923745976
HIST RISK	Auto Electric Service & Supply	1285 Orange av	Orlando FL		923740561
HIST RISK	Phillip P Dr & Sons	es N Orange Blossom Trail	Orlando FL		923741826

HIST RISK	Coliseum Service Station	1817 Orange av	Orlando FL		923742674
HIST RISK	MATHIS MOTORS INC.	400 8 Orange Blossom Trail	Orlando FL		923739783
HMIRS		ORANGE BLOSSUM TRAILER	ORLANDO FL		818269980
HMIRS		S ORANGE AVE	ORLANDO FL		818312988
HMIRS		HWY 441	APOPKA FL		818344853
HMIRS		S ORANGE BLOSSOM TRAIL	ORLANDO FL		818201506
RCRA NON GEN	COCA COLA CO FOODS DIV	ORANGE AVENUE	FOREST CITY FL	32714-0000	810066038
		Handler ID | Recycler Activity?: FLD000825067 | NO			
RCRA NON GEN	ASGROW FLORIDA CO	HIGHWAY 441	PLYMOUTH FL	33566	810063754
		Handler ID | Recycler Activity?: FLD045977337 | NO			
RCRA NON GEN	COCA COLA USA	ORANGE STREET	PLYMOUTH FL	32768	810067866
		Handler ID | Recycler Activity?: FLD980600118 | NO			
RCRA NON GEN	PRESTIGE AUTO BODY	27461\2 S ORANGE BLOSSOM TR	ORLANDO FL	32805	810072661
		Handler ID | Recycler Activity?: FLD982099616 | NO			
SPILLS		US 441	ZELLWOOD FL		813616509
		Incident No | Incident Date: 7922 | 08/30/2000			
SPILLS		2560 N OBT (441)	PLYMOUTH FL		858196364
		Incident No | Incident Date: 56132 | 8/16/2016 1:00:00 PM			
SPILLS		South 441 / OBT	ORLANDO FL		813616728
		Incident No | Incident Date: 7534 | 01/09/2000			
SPILLS		441 and Turnpike entry ramps (MM254 North)	Orlando FL		833894607

Incident No | Incident Date: 54802 | 3/8/2016 6:00:00 AM

SPILLS		Hwy 441/Turnpike	ORLANDO FL		813614692
		***Incident No	Incident Date:*** 7766 | 05/22/2000		
SPILLS		Orange Avenue	ORLANDO FL		813593026
		***Incident No	Incident Date:*** 10820 | 03/14/2001		
STCS	HI-ACRES SERVICES	ORANGE AVENUE AND HWY 431	FOREST CITY FL	32571	896323832
		***Facility ID	Fac Stat (OD):*** 8516652 | CLOSED		
STCS	JOHN M SIKES & PARTNER PROPERTY	CSX RAILROAD & HIGHLAND AVE	ORLANDO FL	32803	896328730
		***Facility ID	Fac Stat (OD):*** 9800546 | CLOSED		
STCS	HUBBARD CONSTRUCTION CO	1ST ST - OFF HWY 441 AT TURNPIKE	ORLANDO FL	32824	896358952
		***Facility ID	Fac Stat (OD):*** 8521485 | CLOSED		
SWF/LF	CARTUNE AUTOMOTIVE SERVICE, INC.	97775 ORANGE BLOSSOM TRAIL #21	ORLANDO FL	32837	813523736
TIER 2	ORLANDO UTILITIES COMMISSION - TAFT SUBSTATION	S. ORANGE AVENUE	ORLANDO FL	32824	921424197
UST	COCA-COLA FOODS-FOREST CITY TRANS	ORANGE AVE	FOREST CITY FL	32714	894361190
		***Facility ID	Facility Status:*** 8520646 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE | , B - REMOVED FROM SITE | , B - REMOVED FROM SITE | , B - REMOVED FROM SITE | , B - REMOVED FROM SITE |		
UST	AMERICAN MACHINERY CORP-MECHTRON	US 441 N	ORLANDO FL	32804	894382271
		***Facility ID	Facility Status:*** 8627388 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE | 31-OCT-1987, B - REMOVED FROM SITE | 31-OCT-1987		
UST	COCA-COLA-PRIVATE TRUCK OPERATION	ORANGE ST	PLYMOUTH FL	32768	894382180
		***Facility ID	Facility Status:*** 8622618 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE | 31-DEC-1988, B - REMOVED FROM SITE | 31-DEC-1988, B - REMOVED FROM SITE | 31-DEC-1988, A - CLOSED IN PLACE | 31-DEC-1988		
UST	DIVISION OF FORESTRY-PLYMOUTH TOWER	N HWY 441	PLYMOUTH FL	32712	894370075
		***Facility ID	Facility Status:*** 9102125 | CLOSED ***Tank Status	Status Date:*** B - REMOVED FROM SITE | 31-MAR-1990, B - REMOVED FROM SITE | 31-MAR-1990		

UST	QUIK TRIP FOOD STORE #3480-HICKOX	US HWY 441	ORANGE LAKE FL	32667	894363548

Facility ID | Facility Status: 9102274 | CLOSED
Tank Status | Status Date: B - REMOVED FROM SITE | 31-MAY-1990, B - REMOVED FROM SITE | 31-MAY-1990, B - REMOVED FROM SITE | 31-MAY-1990

Unplottable Report

Site: ***HI-ACRES SERVICES***
ORANGE AVENUE AND HWY 431 FOREST CITY FL 32571

AST

Facility ID:	8516652	***County Name:***	SEMINOLE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	39
Facility Phone:	3058621000	***Lat SS:***	45.68
Dep Co:	P	***Long DD:***	81
Owner ID:	9948	***Long MM:***	25
Owner Phone:	3524294145	***Long SS:***	11.09
Owner:	HI ACRES SERVICES INC		
Owner Address1:	PO BOX 547853		
Owner Address2:			
Owner City:	ORLANDO		
Owner State:	FL		
Owner Zip 5:	32824		
Contact:	CHARLES E BRADSHAW		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8516652&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8516652		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8516652/facility!search		

Tanks

Tank ID: 49

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-JAN-1989	***Capacity:***	1000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	D
Tank Determin:		***Contdesc:***	Vehicular Diesel

Tanks

Tank ID: 46

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-JAN-1987	***Capacity:***	6000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	D
Tank Determin:		***Contdesc:***	Vehicular Diesel

Tanks

Tank ID: 51

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-JAN-1989	***Capacity:***	1000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	D

Tank Determin: ***Contdesc:*** Vehicular Diesel

Tanks

Tank ID: 47

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-JAN-1989	***Capacity:***	6000
Install:		***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	D
Tank Determin:		***Contdesc:***	Vehicular Diesel

Site: ***HUBBARD CONSTRUCTION CO***
1ST ST - OFF HWY 441 AT TURNPIKE ORLANDO FL 32824 AST

Facility ID:	8521485	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	40
Facility Phone:	3058490050	***Lat SS:***	0
Dep Co:	P	***Long DD:***	81
Owner ID:	10457	***Long MM:***	38
Owner Phone:	4076075658	***Long SS:***	0

Owner: HUBBARD CONSTRUCTION CO
Owner Address1: 1936 LEE RD
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City: WINTER PARK
Owner State: FL
Owner Zip 5: 32789
Contact: ANDREW KRENTZ; P FREDERICK O'DEA (407-623-3810)
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8521485&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8521485
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521485/facility!search

Tanks

Tank ID: 18

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	4000
Install:	01-JUL-1984	***Place:***	ABOVEGROUND
Tank Det Desc:		***Content:***	D
Tank Determin:		***Contdesc:***	Vehicular Diesel

Site: ***Harry's Truck Stop***
414 8 Orange Blossom Trail Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year: 1950
Directory Publisher: POLKS
Broad Term: Fuel and Automotive
Directory Heading: GASOLINE STATIONS
Listing: Harry's Truck Stop
Address: 414 8 Orange Blossom Trail
City: Orlando

Site: ***Southerland John E***
2201 8 Orange Blossom Trall Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive
Directory Heading:	GASOLINE STATIONS
Listing:	Southerland John E
Address:	2201 8 Orange Blossom Trall
City:	Orlando

Site: ***Balley's Service Station***
2699 Orange Blossom Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive
Directory Heading:	GASOLINE STATIONS
Listing:	Balley's Service Station
Address:	2699 Orange Blossom
City:	Orlando

Site: ***Stevens Otts A***
641 Orange av Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive
Directory Heading:	AUTOMOBILE REPAIRING
Listing:	Stevens Otts A
Address:	641 Orange av
City:	Orlando

Site: ***Atlantic Service Center***
1387 Orange av Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive
Directory Heading:	GASOLINE STATIONS
Listing:	Atlantic Service Center
Address:	1387 Orange av
City:	Orlando

Site: ***Rogers Joseph B***
3975 8 Orange Blossom Trail Orlando FL HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive

Directory Heading: GASOLINE STATIONS
Listing: Rogers Joseph B
Address: 3975 8 Orange Blossom Trail
City: Orlando

Site: ***Ward J Walker***
N Orange av N Orlando Orlando FL

HIST RISK

Potential Historic Business Activity Risk

Year: 1925
Directory Publisher: ORLANDO DIRECTORY CO
Broad Term: Fuel and Automotive
Directory Heading: FILLING STATIONS
Listing: Ward J Walker
Address: N Orange av N Orlando
City: Orlando

Site: ***Auto Electric Service & Supply***
1285 Orange av Orlando FL

HIST RISK

Potential Historic Business Activity Risk

Year: 1950
Directory Publisher: POLKS
Broad Term: Fuel and Automotive
Directory Heading: AUTOMOBILE REPAIRING
Listing: Auto Electric Service & Supply
Address: 1285 Orange av
City: Orlando

Site: ***Phillip P Dr & Sons***
es N Orange Blossom Trail Orlando FL

HIST RISK

Potential Historic Business Activity Risk

Year: 1945
Directory Publisher: POLKS
Broad Term: Fuel and Automotive
Directory Heading: AUTOMOBILE GARAGES
Listing: Phillip P Dr & Sons
Address: es N Orange Blossom Trail
City: Orlando

Site: ***Coliseum Service Station***
1817 Orange av Orlando FL

HIST RISK

Potential Historic Business Activity Risk

Year: 1930
Directory Publisher: ORLANDO DIRECTORY CO
Broad Term: Fuel and Automotive
Directory Heading: FILLING STATIONS
Listing: Coliseum Service Station
Address: 1817 Orange av
City: Orlando

Site: ***MATHIS MOTORS INC.***
400 8 Orange Blossom Trail Orlando FL

HIST RISK

Potential Historic Business Activity Risk

Year:	1950
Directory Publisher:	POLKS
Broad Term:	Fuel and Automotive
Directory Heading:	AUTOMOBILE REPAIRING
Listing:	MATHIS MOTORS INC.
Address:	400 8 Orange Blossom Trail
City:	Orlando

Site:

ORANGE BLOSSUM TRAILER ORLANDO FL

HMIRS

Incident County: ORANGE

HMIR Historical Reports

Report No:	I-1993010149	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1992-12-21	***Report Submit Src:***	Paper
Time of Incident:		***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	3	***Mode Transport:***	Highway
Commodity Short Nm:	GASOLINE INCLUDES GASOLI	***Transport Phase:***	Unloading
Commodity Long Nm:	GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL, WITH NOT MORE THAN 10% ALCOHOL	***Incident Occrrnce:***	
Trade Name:	UNLEADED GASOLINE	***Mat Ship Approval?:***	No
ID No:	UN1203	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Portable Tank
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	EAGLE TRANSPORT CORP
Qty Released:	10	***CR Street Name:***	300 WESLEYAN BLVD SUITE 202
Unit of Measure:	Liquid - Gallon	***CR City:***	ROCKY MOUNT
What Failed:		***CR State:***	NC
What Failed Desc:		***CR Postal Code:***	27803
How Failed Code:		***CR Non US State:***	
How Failed Desc:		***CR Fed DOT ID:***	90792
Failure Cause Code:	529	***CR Hazmat Reg ID:***	
Failure Cause Desc:	Overfilled	***CR Country:***	US
Ident. Markings:		***Shipper Name:***	MARATHON INC
Cont1 Pkging Type:		***Shipper Street Name:***	
Cont1 Const Mat:		***Shipper City:***	CAPE CANAVERAL
Cont1 Head Type:		***Shipper State:***	FL
Cont1 Pkg Capacity:	0	***Shipper Postal:***	
C1 Capacity UOM:		***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	296057
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	ORLANDO
C1 Pkg Dsign Pres.:	0	***Destination State:***	FLORIDA
C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0

C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			
RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	BETTY JO RAY
Damage > 500:	Yes	***Contact Title:***	LOSS PREVENTION/COMPLIANC
Material Loss:	5	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	580	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	585	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	TANK
Haz Hosp Old Form:	0	***HMIS Container Code:***	TANK TRK
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Tank truck, tank mounted on truck chassis
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: DRIVER WAS NEW, FAILED TO REALIZE THAT TANKS HAD SHUT OFF VALVES IN THEM. AFTER STICKING TANKS HE THOUGHT IT WOULD FIT. BUT BECAUSE OF SHUT OFF VALVES AND TANK BEGINNING TO FILL IT DO NOT TAKE ALL THE PRODUCT AND IT SPILLED OVER. PRODUCT WAS CONTAINED AND CLEANED UP.

Recommend Actions Taken:

Site:

S ORANGE AVE ORLANDO FL HMIRS

Incident County: ORANGE

HMIR Historical Reports

Report No:	I-2000120508	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	2000-11-26	***Report Submit Src:***	Paper
Time of Incident:	2055	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	3	***Mode Transport:***	Highway

Commodity Short Nm:	GASOLINE INCLUDES GASOLI	***Transport Phase:***	Loading
Commodity Long Nm:	GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL, WITH NOT MORE THAN 10% ALCOHOL	***Incident Occrrnce:***	
Trade Name:	UNLEADED	***Mat Ship Approval?:***	No
ID No:	UN1203	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	KENAN TRANSPORT CO INC
Qty Released:	100	***CR Street Name:***	P O BOX 2729
Unit of Measure:	Liquid - Gallon	***CR City:***	CHAPEL HILL
What Failed:	102; 141	***CR State:***	NC
What Failed Desc:	Auxiliary Valve; Piping or Fittings	***CR Postal Code:***	275152729
How Failed Code:	;	***CR Non US State:***	
How Failed Desc:	;	***CR Fed DOT ID:***	90831
Failure Cause Code:	517;	***CR Hazmat Reg ID:***	
Failure Cause Desc:	Improper Preparation for Transportation;	***CR Country:***	US
Ident. Markings:		***Shipper Name:***	B P OIL CO (BRITISH PETROLEUM)
Cont1 Pkging Type:		***Shipper Street Name:***	PO BOX 26038
Cont1 Const Mat:		***Shipper City:***	JACKSONVILLE
Cont1 Head Type:		***Shipper State:***	FL
Cont1 Pkg Capacity:	9400	***Shipper Postal:***	32226
C1 Capacity UOM:	LGA	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	TAFT
Cont1 Pkg Mnfctr:	FRUEHAUF CORP	***Origin State:***	FL
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:	1H4T04427K	***Origin Non US St:***	
C1 Pkg Last Test Dt:	2000-09-01 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	ORLANDO
C1 Pkg Dsign Pres.:	0	***Destination State:***	FLORIDA
C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	KATHERINE D HOEFLER

Damage > 500:	No	***Contact Title:***	CLAIMS ANALYST
Material Loss:	100	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	0	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	100	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	TANK
Haz Hosp Old Form:	0	***HMIS Container Code:***	MC306
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Cargo tanks
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: EMPLOYEE WAS LOADING PRODUCT AND FAILED TO OPEN BELLY VALVE CAUSING AN OVERFILL, LOSING APPROXIMATELY 100 GALLONS. CLEANUP PERFORMED BY GATX PERSONNEL WITH NO FURTHER INCIDENT REPORTED.

Recommend Actions Taken:

Site:

HWY 441 APOPKA FL HMIRS

Incident County: ORANGE

HMIR Historical Reports

Report No:	I-1991070464	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1991-06-25	***Report Submit Src:***	Paper
Time of Incident:	1345	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	3	***Mode Transport:***	Highway
Commodity Short Nm:	GASOLINE INCLUDES GASOLI	***Transport Phase:***	Unloading
Commodity Long Nm:	GASOLINE INCLUDES GASOLINE MIXED WITH ETHYL ALCOHOL, WITH NOT MORE THAN 10% ALCOHOL	***Incident Occrrnce:***	
Trade Name:	GASOLINE	***Mat Ship Approval?:***	No
ID No:	UN1203	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	REDWING CARRIERS INC
Qty Released:	10	***CR Street Name:***	8515 PALM RIVER RD
Unit of Measure:	Liquid - Gallon	***CR City:***	TAMPA
What Failed:		***CR State:***	FL
What Failed Desc:		***CR Postal Code:***	33619
How Failed Code:		***CR Non US State:***	
How Failed Desc:		***CR Fed DOT ID:***	0
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	CHAMPLIN PETROLEUM CO
Cont1 Pkging Type:		***Shipper Street Name:***	S POST OAK PARK
Cont1 Const Mat:		***Shipper City:***	HOUSTON
Cont1 Head Type:		***Shipper State:***	TX
Cont1 Pkg Capacity:	9000	***Shipper Postal:***	77027
C1 Capacity UOM:	LGA	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	882905
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	

Cont1 Pkg Mnfctr:	GREAT DANE TRAILERS INC	***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:	51788	***Origin Non US St:***	
C1 Pkg Last Test Dt:	1991-06-12 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	APOPKA
C1 Pkg Dsign Pres.:	0	***Destination State:***	FLORIDA
C1 Dsign Press UOM:		***Destination Postal:***	
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	Yes	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	JAMES F PENDERGRAST
Damage > 500:	No	***Contact Title:***	SAFETY DIRECTOR
Material Loss:	10	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	0	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	10	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	TANK
Haz Hosp Old Form:	0	***HMIS Container Code:***	MC306
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Cargo tanks
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: BACK PRESSURE BLEW PRODUCT OUT OF FITTING -- FIRE DEPT. SPREAD OIL DRY -- TOOK OUT TWO (2) DRUMS WATER/GAS FROM RETENTION POND -- REPORTED TO DER.

Recommend Actions Taken:

Site:

S ORANGE BLOSSOM TRAIL ORLANDO FL

Incident County: ORANGE

HMIR Historical Reports

Report No:	I-1995020766	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1995-01-26	***Report Submit Src:***	Paper
Time of Incident:	0630	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	9	***Mode Transport:***	Highway
Commodity Short Nm:	ELEVATED TEMPERATURE LIQ	***Transport Phase:***	In Transit
Commodity Long Nm:	ELEVATED TEMPERATURE LIQUID, N.O.S., AT OR ABOVE 100 C AND BELOW ITS FLASH POINT (INCLUDING MOLTEN METALS, MOLTEN SALTS, ETC.)	***Incident Occrrnce:***	
Trade Name:	HOT PETROLEUM ASPHAL	***Mat Ship Approval?:***	No
ID No:	UN3257	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	D S I TRANSPORTS
Qty Released:	1400	***CR Street Name:***	8515 PALM RIVER ROAD
Unit of Measure:	Liquid - Gallon	***CR City:***	TAMPA
What Failed:		***CR State:***	FL
What Failed Desc:		***CR Postal Code:***	33619
How Failed Code:		***CR Non US State:***	
How Failed Desc:		***CR Fed DOT ID:***	0
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	MARATHON OIL CO
Cont1 Pkging Type:		***Shipper Street Name:***	
Cont1 Const Mat:		***Shipper City:***	TAMPA
Cont1 Head Type:		***Shipper State:***	FL
Cont1 Pkg Capacity:	6500	***Shipper Postal:***	
C1 Capacity UOM:	LGA	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	944743
Cont1 Pkg No:	1	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	HOOKER POINT
Cont1 Pkg Mnfctr:	HEIL COMPANY	***Origin State:***	FL
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:	39942	***Origin Non US St:***	
C1 Pkg Last Test Dt:	1995-01-25 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	UNKNOWN
C1 Pkg Dsign Pres.:	0	***Destination State:***	FLORIDA
C1 Dsign Press UOM:		***Destination Postal:***	UNKNOWN
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	1
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0

RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	7
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	Yes	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	JIMMY LIPHAM
Damage > 500:	Yes	***Contact Title:***	TERMINAL MGR
Material Loss:	3000	***Contact Business:***	
Carrier Damage:	6000	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	15000	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	24000	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	Yes
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	Yes	***HMIS Bulk Release:***	Yes
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	TANK
Haz Hosp Old Form:	0	***HMIS Container Code:***	MC307
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Cargo tanks
Haz Non Hosp Empl:	1	***HMIS Bulk Incident:***	Yes
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: TRAILER CAME LOOSE FROM TRACTOR, LANDED ON SIDE, SPILLING PRODUCT INTO DITCH.

Recommend Actions Taken:

Site: ***COCA COLA CO FOODS DIV***
ORANGE AVENUE FOREST CITY FL 32714-0000

RCRA NON GEN

Handler ID: FLD000825067
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	I	***NAIC 1:***	
Seq No:	201007	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20100714	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.689444
In Handler Univ:	N	***Location Longitude:***	-81.554156
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		

Fed Waste Gen Owner:	HQ
State Waste Generator Owner:	FL
State Waste Generator:	N
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	------
As Converter Tsdf:	------
As State Regulated Tsdf:	------
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	------
Permwrk ID:	------
Perm Prog:	------
Pcwrkld:	------
Closwrkld:	------
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	------
Full Enforcement:	------
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20111003
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	COCA COLA CO FOODS DIV
Location Street No:	
Location Street1:	ORANGE AVENUE
Location Street2:	
Location City:	FOREST CITY
Location State:	FL
Location Zip:	32714-0000
Location County Code:	FL095
Location County Name:	ORANGE
Location Country:	US
Contact Name:	TED HONG
Contact Street No:	
Contact Street1:	PO BOX 3216
Contact Street2:	

Contact City: FOREST CITY
Contact State: FL
Contact Zip: 32714
Contact Country: US
Contact Phone And Ext: 305-965-6442
Contact Fax:
Contact Email Address:
Contact Title: CHEMICAL ENGINE
Owner Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Owner Type: O
Owner Seq: 101
Operator Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Operator Type: O
Operator Seq: 102
Public Notes:

Hazardous Waste Handler Details

Seq No: 198803
Receive Date: 19880322
Handler Name: COCA COLA CO FOODS DIV
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 201007
Receive Date: 20100714
Handler Name: COCA COLA CO FOODS DIV
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Dt Became Current: 20110418
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 2600 BLAIRSTONE RD
Street2:
City: TALLAHASSEE
State: FL
Country: US
Zip: 32399-6542

Owner/Operator Ind: Current Owner
Type: Other
Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Dt Became Current: 20110418
Dt Ended Current:
Phone:
Source Type: Implementer
Street No:
Street1: 2600 BLAIRSTONE RD
Street2:
City: TALLAHASSEE
State: FL
Country: US
Zip: 32399-6542

Owner/Operator Ind: Current Operator
Type: Other
Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Dt Became Current: 20110418
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 2600 BLAIRSTONE RD
Street2:
City: TALLAHASSEE
State: FL
Country: US
Zip: 32399-6542

Owner/Operator Ind: Current Operator
Type: Other
Name: UNKNOWN OPERATOR - NO LONGER REGULATED
Dt Became Current: 20110418
Street No:
Street1: 2600 BLAIRSTONE RD
Street2:
City: TALLAHASSEE

Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Implementer	***Zip:***	32399-6542

Historical Handler Details

Receive Dt:	19880322
Generator Code Description:	Small Quantity Generator
Handler Name:	COCA COLA CO FOODS DIV

Site: ***ASGROW FLORIDA CO***
HIGHWAY 441 PLYMOUTH FL 33566

RCRA NON GEN

Handler ID:	FLD045977337
Generator Status:	N
Recycler Activity?:	NO
Recycler Activity Note:	This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	***NAIC 1:***	
Seq No:	198708	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	19870811	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.685
In Handler Univ:	N	***Location Longitude:***	-81.550556
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	FL		
State Waste Generator:	N		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	------		
As Converter Tsdf:	------		
As State Regulated Tsdf:	------		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		

Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: ------
Full Enforcement: ------
Snc: N
Unaddressed Snc: N
Addressed Snc: N
Snc With Comp Sched: N
Fa Required: -----
Hhandler Last Change: 20110623
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: ASGROW FLORIDA CO
Location Street No:
Location Street1: HIGHWAY 441
Location Street2:
Location City: PLYMOUTH
Location State: FL
Location Zip: 33566
Location County Code: FL095
Location County Name: ORANGE
Location Country: US
Contact Name: SIMMIE MCNEAL
Contact Street No:
Contact Street1: PO BOX D
Contact Street2:
Contact City: PLANT CITY
Contact State: FL
Contact Zip: 33564-9000
Contact Country: US
Contact Phone And Ext: 813-752-1177
Contact Fax:
Contact Email Address:
Contact Title: SAFETY COORDINA
Owner Name: SIMMIE MCNEAL
Owner Type: P
Owner Seq: 1
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

Hazardous Waste Handler Details

Seq No: 198708
Receive Date: 19870811
Handler Name: ASGROW FLORIDA CO
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	PO BOX D
Name:	SIMMIE MCNEAL	***Street2:***	
Dt Became Current:	19961018	***City:***	PLANT CITY
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	33564-9000

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	PO BOX D
Name:	MCNEAL SIMMIE	***Street2:***	
Dt Became Current:	19961018	***City:***	PLANT CITY
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	33564-9000

Site: ***COCA COLA USA***
ORANGE STREET PLYMOUTH FL 32768

RCRA NON GEN

Handler ID:	FLD980600118
Generator Status:	N
Recycler Activity?:	NO
Recycler Activity Note:	This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	***NAIC 1:***	
Seq No:	198803	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	19880322	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.685
In Handler Univ:	N	***Location Longitude:***	-81.550556
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	FL		
State Waste Generator:	N		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	------		
As Converter Tsdf:	------		
As State Regulated Tsdf:	------		
As State Regulated Handler:	---		

Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: ------
Full Enforcement: ------
Snc: N
Unaddressed Snc: N
Addressed Snc: N
Snc With Comp Sched: N
Fa Required: -----
Hhandler Last Change: 20110623
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: COCA COLA USA
Location Street No:
Location Street1: ORANGE STREET
Location Street2:
Location City: PLYMOUTH
Location State: FL
Location Zip: 32768
Location County Code: FL095
Location County Name: ORANGE
Location Country: US
Contact Name: J K KIKER
Contact Street No:
Contact Street1: PO BOX 397
Contact Street2:
Contact City: PLYMOUTH
Contact State: FL
Contact Zip: 32768-0397
Contact Country: US
Contact Phone And Ext: 305-886-2311
Contact Fax:
Contact Email Address:
Contact Title: BRANCH MANAGER
Owner Name: J KIKER
Owner Type: P
Owner Seq: 1
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

Hazardous Waste Handler Details

Seq No: 198803
Receive Date: 19880322
Handler Name: COCA COLA USA
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified

Source Type: Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	PO BOX 397
Name:	J KIKER	***Street2:***	
Dt Became Current:	19961018	***City:***	PLYMOUTH
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	32768

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	PO BOX 397
Name:	KIKER J	***Street2:***	
Dt Became Current:	19961018	***City:***	PLYMOUTH
Dt Ended Current:		***State:***	FL
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	32768

Site: ***PRESTIGE AUTO BODY***
27461\2 S ORANGE BLOSSOM TR ORLANDO FL 32805

RCRA NON GEN

Handler ID: FLD982099616
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	I	***NAIC 1:***	
Seq No:	201306	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20130617	***NAIC 4:***	
Active Site:	-----	***State:***	FL
Land Type:	P	***Location Latitude:***	28.573889
In Handler Univ:	N	***Location Longitude:***	-81.364444
In A Universe:	N	***Loc GIS Primary:***	N
Gen Status:	N	***Loc GIS Origin:***	UC
Report Cycle:		***State District Owner:***	FL
Accessibility:		***State District:***	CD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	FL		
State Waste Generator:	N		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		

Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: ------
Full Enforcement: ------
Snc: N
Unaddressed Snc: N
Addressed Snc: N
Snc With Comp Sched: N
Fa Required: -----
Hhandler Last Change: 20141212
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: PRESTIGE AUTO BODY
Location Street No: 27461\2
Location Street1: S ORANGE BLOSSOM TR
Location Street2:
Location City: ORLANDO
Location State: FL
Location Zip: 32805
Location County Code: FL095
Location County Name: ORANGE
Location Country:
Contact Name: TOM PARSONS
Contact Street No: 2746
Contact Street1: 1\2 S ORANGE BLOSSOM TR
Contact Street2:
Contact City: ORLANDO
Contact State: FL
Contact Zip: 32805
Contact Country: US
Contact Phone And Ext: 305-423-9557
Contact Fax:
Contact Email Address:
Contact Title: OWNER
Owner Name: TOM PARSONS
Owner Type: P
Owner Seq: 1
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

Hazardous Waste Handler Details

Seq No: 198705
Receive Date: 19870511
Handler Name: PRESTIGE AUTO BODY
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 201306
Receive Date: 20130617
Handler Name: PRESTIGE AUTO BODY
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: TOM PARSONS
Dt Became Current: 19970429
Dt Ended Current:
Phone:
Source Type: Implementer
Street No:
Street1: 2746 1\2 S ORANGE BLOSSOM TR
Street2:
City: ORLANDO
State: FL
Country: US
Zip: 32805

Owner/Operator Ind: Current Owner
Type: Private
Name: TOM PARSONS
Dt Became Current: 19970429
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 2746 1\2 S ORANGE BLOSSOM TR
Street2:
City: ORLANDO
State: FL
Country: US
Zip: 32805

Owner/Operator Ind: Current Owner
Type: Private
Name: PARSONS TOM
Dt Became Current: 19970429
Dt Ended Current:
Phone:
Source Type: Notification
Street No:
Street1: 2746 1\2 S ORANGE BLOSSOM TR
Street2:
City: ORLANDO
State: FL
Country: US
Zip: 32805

Historical Handler Details

Receive Dt: 19870511
Generator Code Description: Small Quantity Generator
Handler Name: PRESTIGE AUTO BODY

Site:
US 441 ZELLWOOD FL

SPILLS

Incident No: 7922
Incident Type: Inland
Incident Date: 08/30/2000
County: Orange

Spill Details

Pollutant Name: Propane
Pollutant Actual Vol: 0
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Site:

2560 N OBT (441) PLYMOUTH FL SPILLS

Incident No: 56132
Incident Type: Inland
Incident Date: 8/16/2016 1:00:00 PM
County: Orange

Spill Details

Pollutant Name: Anhydrous ammonia
Pollutant Actual Vol: 0
Pol Unit Measure: pounds
Incident Status: Pending-DM
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Accident
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Site:
South 441 / OBT ORLANDO FL SPILLS

Incident No: 7534
Incident Type: Inland
Incident Date: 01/09/2000
County: Orange

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 60
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Site:
441 and Turnpike entry ramps (MM254 North) Orlando FL SPILLS

Incident No: 54802
Incident Type:
Incident Date: 3/8/2016 6:00:00 AM
County: Orange

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Local Fire Department
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Gonzo Auto Transport LLC
Incident Party Type:
Closure Date:
Description: Accident
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Closure Date:
Description: Accident
Criminal Indicator:
Hurricane Indicatr:

Incident Party Nm: Florida Highway Patrol
Incident Party Type:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Incident Management Solutions
Incident Party Type:
Closure Date:
Description: Accident
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Florida Highway Patrol
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Gonzo Auto Transport LLC
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Incident Management Solutions
Incident Party Type:
Closure Date:
Description: Spill
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 30.00
Pol Unit Measure: gallon
Incident Status: Saved
Incident Party Nm: Local Fire Department
Incident Party Type:
Closure Date:
Description: Accident
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Site:
Hwy 441/Turnpike ORLANDO FL

SPILLS

Incident No: 7766
Incident Type: Inland
Incident Date: 05/22/2000
County: Orange

Spill Details

Pollutant Name: Diesel fuel
Pollutant Actual Vol: 50
Pol Unit Measure: gallon
Incident Status:
Incident Party Nm:
Incident Party Type:
Closure Date:
Description:
Criminal Indicator:
Hurricane Indicatr:
On Scene Response:
Pollutant Category:

Spill Details

Pollutant Name:	Diesel fuel	***Closure Date:***	
Pollutant Actual Vol:	50	***Description:***	Spill
Pol Unit Measure:	gallon	***Criminal Indicator:***	
Incident Status:		***Hurricane Indicatr:***	
Incident Party Nm:		***On Scene Response:***	
Incident Party Type:		***Pollutant Category:***	

Site:
Orange Avenue ORLANDO FL

SPILLS

Incident No:	10820
Incident Type:	Inland
Incident Date:	03/14/2001
County:	Orange

Spill Details

Pollutant Name:	Asbestos	***Closure Date:***	
Pollutant Actual Vol:	0	***Description:***	Complaint
Pol Unit Measure:	gallon	***Criminal Indicator:***	
Incident Status:		***Hurricane Indicatr:***	
Incident Party Nm:		***On Scene Response:***	
Incident Party Type:		***Pollutant Category:***	

Site: ***HI-ACRES SERVICES***
ORANGE AVENUE AND HWY 431 FOREST CITY FL 32571

STCS

Facility ID:	8516652	***Clnup Cd (OD):***	
Type:	C - Fuel User/Non-Retail	***Fac Clnup Stat (OD):***	
Status:	Closed	***Clnup Dt (OD):***	
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	CLOSED	***Contam (Map):***	
Fac Code (OD):	C	***Fac Type (Map):***	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	***Fac Stat (Map):***	CLOSED
Fac Name (OD):	HI-ACRES SERVICES		
Address (OD):	ORANGE AVENUE AND HWY 431		
City (OD):	FOREST CITY		
County (OD):	SEMINOLE		
Zip5 (OD):	32571		
Name (Map):	HI-ACRES SERVICES		
Address (Map):	ORANGE AVENUE AND HWY 431		
City (Map):	FOREST CITY		
County (Map):	59		
Zip4 (Map):			
Zip5 (Map):	32571		
Address Line 1:	Orange Avenue And Hwy 431		
Address Line 2:			
City:	Forest City		
County:	SEMINOLE		
State:	FL		
Zip:	32571		
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search		

FDEP Storage Tank Monitoring Open Data Details

Object ID:	8683	***Map Src:***	1999 doqs
X:	-81.41977614	***Map Scale:***	4041
Y:	28.66221603	***Elevation:***	
Regulated:	NO	***El Datum:***	
Col Meth:	DPHO	***El Resolut:***	
Col Name:	PERRY_JF59	***El Units:***	
Col Date:	14-Oct-2003	***ALB East:***	651699.23
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	519972.26

Ver Meth:	DPHO	***Loc ID:***	18720
Ver Name:	PERRY_JF59	***Lat DD:***	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	39
Ver Date:	14-Oct-2003	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	VICIN	***Long MM:***	25
Datum:	HARN	***Long SS:***	
Coord Acc:	4		
Col Aff:	CONTRACTOR		
Ver Aff:	CONTRACTOR		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8516652/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	18720	***Rel Feat:***	VICIN
Site Type:	Fuel user/Non-retail	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:	3058621000	***El Units:***	
Operator:	HI-ACRE SERVICES INC	***Map Src:***	1999 doqs
Next action:		***Map Scale:***	4041
Fin Respon:		***Coord Acc:***	4
Office:	CD	***Alb East:***	651699.23
OOIC:	FACILITY	***Alb North:***	519972.26
Col Meth:	DPHO	***Datum:***	HARN
Col Name:	PERRY_JF59	***Elevation:***	
Col Date:	10/14/2003	***Lat DD:***	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	39
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	PERRY_JF59	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	25
Ver Date:	10/14/2003	***Long SS:***	
Object ID:	18720		
Col Aff:	CONTRACTOR		
Ver Aff:	CONTRACTOR		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8516652/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Hi-Acres Services Orange Avenue And Hwy 431 Forest City, FL 32571
LL Method:	DPHO - Digital Aerial Photography with Ground Control
Account Owner:	Hi Acres Services Inc
Contact:	Hi-Acre Services Inc
Phone:	305-862-1000
District:	CD
County 1:	59 - Seminole
Latitude:	28:39:43.9777
Longitude:	81:25:11.1941

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	51
Size:	1000
Content:	Vehicular Diesel
Installed:	
Placement:	ABOVE
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	47
Size:	6000
Content:	Vehicular Diesel

Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 49
Size: 1000
Content: Vehicular Diesel
Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No: 46
Size: 6000
Content: Vehicular Diesel
Installed:
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

Site: ***JOHN M SIKES & PARTNER PROPERTY***
CSX RAILROAD & HIGHLAND AVE ORLANDO FL 32803

STCS

Facility ID: 9800546
Type: X - Contamination Site
Status: Closed
Status (OD): REVIEWED
Fac Stat (OD): CLOSED
Fac Code (OD): X
Facility 1: Contamination Site
Clnup Cd (OD):
Fac Clnup Stat (OD):
Clnup Dt (OD):
Status (Map): REVIEWED
Contam (Map):
Fac Type (Map): Contamination Site
Fac Stat (Map): CLOSED
Fac Name (OD): JOHN M SIKES & PARTNER PROPERTY
Address (OD): CSX RAILROAD & HIGHLAND AVE
City (OD): ORLANDO
County (OD): ORANGE
Zip5 (OD): 32803
Name (Map): JOHN M SIKES & PARTNER PROPERTY
Address (Map): CSX RAILROAD & HIGHLAND AVE
City (Map): ORLANDO
County (Map): 48
Zip4 (Map):
Zip5 (Map): 32803
Address Line 1: Csx Railroad & Highland Ave
Address Line 2:
City: Orlando
County: ORANGE
State: FL
Zip: 32803
Report Source: FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID: 54882
X: -81.373748
Y: 28.560902
Regulated: NO
Map Src: imagery_04_09
Map Scale: 5000
Elevation:
El Datum:

Col Meth:	DPHO	***El Resolut:***	
Col Name:	Williams_CA	***El Units:***	
Col Date:	21-Mar-2013	***ALB East:***	656428.17
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	508818.15
Ver Meth:	DPHO	***Loc ID:***	53765
Ver Name:	Williams_CA	***Lat DD:***	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	33
Ver Date:	21-Mar-2013	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	APPRX	***Long MM:***	22
Datum:	NAD83	***Long SS:***	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9800546/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	53765	***Rel Feat:***	APPRX
Site Type:	Contamination Site	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:		***El Units:***	
Operator:		***Map Src:***	imagery_04_09
Next action:		***Map Scale:***	5000
Fin Respon:		***Coord Acc:***	4
Office:	CD	***Alb East:***	656428.17
OOIC:	FACILITY	***Alb North:***	508818.15
Col Meth:	DPHO	***Datum:***	NAD83
Col Name:	Williams_CA	***Elevation:***	
Col Date:	3/21/2013	***Lat DD:***	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	33
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	Williams_CA	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	22
Ver Date:	3/21/2013	***Long SS:***	
Object ID:	53765		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9800546/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	John M Sikes & Partner Property Csx Railroad & Highland Ave Orlando, FL 32803
LL Method:	DPHO
Account Owner:	
Contact:	
Phone:	
District:	CD
County 1:	48 - Orange
Latitude:	28:33:39.2472
Longitude:	81:22:25.4928

Site: ***HUBBARD CONSTRUCTION CO***
1ST ST - OFF HWY 441 AT TURNPIKE ORLANDO FL 32824 STCS

Facility ID:	8521485	***Clnup Cd (OD):***	
Type:	C - Fuel User/Non-Retail	***Fac Clnup Stat (OD):***	
Status:	Closed	***Clnup Dt (OD):***	
Status (OD):	REVIEWED	***Status (Map):***	REVIEWED
Fac Stat (OD):	CLOSED	***Contam (Map):***	
Fac Code (OD):	C	***Fac Type (Map):***	Fuel user/Non-retail
Facility 1:	Fuel user/Non-retail	***Fac Stat (Map):***	CLOSED
Fac Name (OD):	HUBBARD CONSTRUCTION CO		
Address (OD):	1ST ST - OFF HWY 441 AT TURNPIKE		
City (OD):	ORLANDO		

County (OD):	ORANGE
Zip5 (OD):	32824
Name (Map):	HUBBARD CONSTRUCTION CO
Address (Map):	1ST ST - OFF HWY 441 AT TURNPIKE
City (Map):	ORLANDO
County (Map):	48
Zip4 (Map):	8236
Zip5 (Map):	32824
Address Line 1:	1st St - Off Hwy 441 At Turnpike
Address Line 2:	
City:	Orlando
County:	ORANGE
State:	FL
Zip:	32824- 8236
Report Source:	FDEP Geospatial Open Data - Registered Tanks from Storage Tank Contamination Monitoring (STCM) (OD); FDEP Geospatial Open Data - Storage Tank Contamination Monitoring (STCM) (Map); Storage Tank Contaminated Facility Name and Address Search

FDEP Storage Tank Monitoring Open Data Details

Object ID:	11663	***Map Src:***	2004 doqqs
X:	-81.40464922	***Map Scale:***	4999
Y:	28.430153	***Elevation:***	
Regulated:	NO	***El Datum:***	
Col Meth:	DPHO	***El Resolut:***	
Col Name:	WOEBER_A	***El Units:***	
Col Date:	30-Nov-2006	***ALB East:***	653717.39
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	494236.73
Ver Meth:	DPHO	***Loc ID:***	17156
Ver Name:	WOEBER_A	***Lat DD:***	28
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	25
Ver Date:	30-Nov-2006	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	CENTR	***Long MM:***	24
Datum:	HARN	***Long SS:***	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521485/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	17156	***Rel Feat:***	CENTR
Site Type:	Fuel user/Non-retail	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:	3058490050	***El Units:***	
Operator:	HUBBARD CONSTRUCTION COMPANY	***Map Src:***	2004 doqqs
Next action:		***Map Scale:***	4999
Fin Respon:		***Coord Acc:***	4
Office:	CD	***Alb East:***	653717.39
OOIC:	FACILITY	***Alb North:***	494236.73
Col Meth:	DPHO	***Datum:***	HARN
Col Name:	WOEBER_A	***Elevation:***	
Col Date:	11/30/2006	***Lat DD:***	28
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	25
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	WOEBER_A	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	24
Ver Date:	11/30/2006	***Long SS:***	
Object ID:	17156		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8521485/gis-facility!search		

Storage Tank Contaminated Facility Name & Address Search Details

Name:	Hubbard Construction Co 1st St - Off Hwy 441 At Turnpike

	Orlando, FL 32824- 8236
LL Method:	DPHO - Unverified
Account Owner:	Hubbard Construction Co
Contact:	Hubbard Construction Company
Phone:	305-849-0050
District:	CD
County 1:	48 - Orange
Latitude:	28:25:48.5508
Longitude:	81:24:16.7372

FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	18
Size:	4000
Content:	Vehicular Diesel
Installed:	07/01/1984
Placement:	ABOVE
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

Site: ***CARTUNE AUTOMOTIVE SERVICE, INC.***
97775 ORANGE BLOSSOM TRAIL #21 ORLANDO FL 32837

SWF/LF

Facility ID:	97319	***District:***	CD
Fac Type (Geodata):		***Section:***	
Fac Stat (Geodata):		***Township:***	
Status Dt (Geodat):		***Range:***	
Ownership (Geodat):		***County ID (Geodat):***	
Zip4 (Geodata):		***County (Geodata):***	
Zip5 (Geodata):		***County:***	ORANGE
District (Geodata):		***Latitude:***	::
Office (Geodata):		***Longitude:***	::
Resp Authority:			
RA Address:			
City1:			
RA State:			
Zip1:			
RA Phone No.:			
RA Email:			
Site Supervisor:			
SS Address:			
City 1:			
SS State:			
Zip 1:			
SS Phone No:			
SS Email:			
Land Owner:			
LO Address:			
City 2:			
LO State:			
Zip 2:			
LO Phone No:			
Facility Name (Geodata):			
Address (Geodata):			
City (Geodata):			
Documents (Geodata):			
Reports (Geodata):			
Info Portal Facility URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=97319		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=97319&CAT=8		
Data Source:	Solid Waste Facility Inventory Report		

Class details

Class:	WASTE TIRE COLLECTOR
Class Status:	INACTIVE (I)

Site: ***ORLANDO UTILITIES COMMISSION - TAFT SUBSTATION***
S. ORANGE AVENUE ORLANDO FL 32824

TIER 2

2023 Data

Facility ID:	7306734	***Explosive:***	False
Filing Year:	2022(Tier2)	***Filing Type:***	312
CAS No:	64742536	***Max Daily Qty:***	77,469
Solid:	False	***Avg Daily Qty:***	77,469
Liquid:	True	***EHS:***	
Gas:	False	***Below Thresholds:***	
Pure:	True	***Trade Secret:***	
Mixture:	False	***Max Amt in Lrg Cntr:***	

First Submit Date: 2023-05-10(Tier2)
NAICS Code: 221122
Dun Bradstreet Code: 0040076071
Chemical Name: Dielectric Insulating Oil Types #10c (transformer Oil)
Hazard Not Otherwise Classifi: False
Contact Name: Orlando Utilities Commission
Contact Type: Owner / Operator
Contact Email: cdoud@ouc.com
Contact Work Phone:
Contact 24 Hour Phone: (407) 423-9100
Contact Mobile Phone:

Site: ***COCA-COLA FOODS-FOREST CITY TRANS***
ORANGE AVE FOREST CITY FL 32714

UST

Facility ID:	8520646	***County Name:***	SEMINOLE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	39
Facility Phone:	3058628000	***Lat SS:***	38
Dep Co:	P	***Long DD:***	81
Owner ID:	4350	***Long MM:***	25
Owner Phone:	8139655182	***Long SS:***	18

Owner: COCA COLA FOODS
Owner Address1: PO BOX 247
Owner Address2:
Owner City: AUBURNDALE
Owner State: FL
Owner Zip 5: 33823
Contact: BOYD ROBERTSON
Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8520646&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8520646
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8520646/facility!search

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	10000
Install:	01-JUL-1978	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	10000
Install:	01-JUL-1978	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Tanks

Tank ID: 4

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	10000
Install:	01-JUL-1978	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Tanks

Tank ID: 5

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	500
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Waste Oil
Tank Det Desc:			

Tanks

Tank ID: 3

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:		***Capacity:***	10000
Install:	01-JUL-1978	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Site: ***AMERICAN MACHINERY CORP-MECHTRON***
US 441 N ORLANDO FL 32804

UST

Facility ID:	8627388	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	
Type Desc:	Fuel user/Non-retail	***Lat MM:***	
Facility Phone:	3058439890	***Lat SS:***	
Dep Co:	P	***Long DD:***	
Owner ID:	14172	***Long MM:***	
Owner Phone:	3058439890	***Long SS:***	
Owner:	GENCOR INDUSTRIES INC		
Owner Address1:	2140 W WASHINGTON ST		
Owner Address2:			
Owner City:	ORLANDO		
Owner State:	FL		
Owner Zip 5:	32805		
Contact:	DAVE BRASHEARS		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8627388&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8627388		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627388/facility!search		

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-OCT-1987	***Capacity:***	2000
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Unleaded Gas
Tank Det Desc:			

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-OCT-1987	***Capacity:***	1000
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Site: ***COCA-COLA-PRIVATE TRUCK OPERATION***
ORANGE ST PLYMOUTH FL 32768

UST

Facility ID:	8622618	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	C	***Lat DD:***	28
Type Desc:	Fuel user/Non-retail	***Lat MM:***	41
Facility Phone:	3058861399	***Lat SS:***	3
Dep Co:	P	***Long DD:***	81
Owner ID:	4350	***Long MM:***	32
Owner Phone:	8139655182	***Long SS:***	56
Owner:	COCA COLA FOODS		
Owner Address1:	PO BOX 247		
Owner Address2:			
Owner City:	AUBURNDALE		
Owner State:	FL		
Owner Zip 5:	33823		
Contact:	BOYD ROBERTSON		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8622618&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8622618		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8622618/facility!search		

Tanks

Tank ID: 3

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-DEC-1988	***Capacity:***	30000
Install:	01-FEB-1984	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-DEC-1988	***Capacity:***	10000
Install:	01-JUL-1977	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Tanks

Tank ID: 4

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-DEC-1988	***Capacity:***	20000
Install:	01-JUL-1979	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Tanks

Tank ID: 1

Tank Details

Tank Status:	A - CLOSED IN PLACE	***Tank Vessel Indic:***	TANK
Status Date:	31-DEC-1988	***Capacity:***	10000
Install:	01-JUL-1977	***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Site: ***DIVISION OF FORESTRY-PLYMOUTH TOWER***
N HWY 441 PLYMOUTH FL 32712

UST

Facility ID:	9102125	***County Name:***	ORANGE
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	G	***Lat DD:***	28
Type Desc:	State Government	***Lat MM:***	33
Facility Phone:		***Lat SS:***	11
Dep Co:	P	***Long DD:***	81
Owner ID:	5881	***Long MM:***	25
Owner Phone:	8504149928	***Long SS:***	10
Owner:	FL DEPT OF AGRICULTURE		
Owner Address1:	1203 GOVERNORS SQUARE BLVD		
Owner Address2:	ATTN: CATHY SELLERS STE 200		
Owner City:	TALLAHASSEE		
Owner State:	FL		
Owner Zip 5:	32301		
Contact:	JOHN FOLKS		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9102125&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9102125		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9102125/facility!search		

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-MAR-1990	***Capacity:***	550
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-MAR-1990	***Capacity:***	550
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Vehicular Diesel
Tank Det Desc:			

Site: ***QUIK TRIP FOOD STORE #3480-HICKOX***
US HWY 441 ORANGE LAKE FL 32667

UST

Facility ID:	9102274	***County Name:***	MARION
Facility Status:	CLOSED	***Lat/Long Method:***	
Facility Type:	A	***Lat DD:***	29
Type Desc:	Retail Station	***Lat MM:***	25
Facility Phone:		***Lat SS:***	58
Dep Co:	P	***Long DD:***	82
Owner ID:	9967	***Long MM:***	13
Owner Phone:	0	***Long SS:***	7
Owner:	HICKOX, C H SR		
Owner Address1:	219 NW 10TH ST		
Owner Address2:			
Owner City:	OCALA		
Owner State:	FL		
Owner Zip 5:	32620		
Contact:	C H HICKOX		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9102274&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9102274		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9102274/facility!search		

Tanks

Tank ID: 3

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-MAY-1990	***Capacity:***	550
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Kerosene
Tank Det Desc:			

Tanks

Tank ID: 2

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-MAY-1990	***Capacity:***	1000
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Tanks

Tank ID: 1

Tank Details

Tank Status:	B - REMOVED FROM SITE	***Tank Vessel Indic:***	TANK
Status Date:	31-MAY-1990	***Capacity:***	1000
Install:		***Place:***	UNDERGROUND
Tank Determination:		***Con desc:***	Leaded Gas
Tank Det Desc:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Dec 13, 2024

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Dec 13, 2024

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Dec 13, 2024

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: Feb 26, 2025

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Feb 26, 2025

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 6, 2025

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Jan 6, 2025

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 6, 2025

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 6, 2025

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 6, 2025

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 6, 2025

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jan 6, 2025

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 29, 2025

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 29, 2025

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Nov 20, 2024

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Dec 31, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 19, 2025

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Oct 31, 2024

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jan 29, 2025

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Feb 26, 2025

State

Superfund Waste Cleanup & State-Funded Action Sites: SHWS

List of hazardous waste cleanup sites participating in various federal and state funded cleanup programs. Florida's State-Funded Action Sites and Superfund Waste Cleanup Sites lists are maintained and made available by the Florida Department of Environmental Protection (FDEP). This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Mar 14, 2025

Delisted State-Funded Action Sites: DELISTED SHWS

This database contains a list of closed hazardous waste sites of various federal and state funded cleanup programs that were removed from the Florida Department of Environmental Protection (FDEP).

Government Publication Date: Mar 14, 2025

ERIC Waste Cleanup: ERIC

Environmental Restoration Integrated Cleanup (ERIC) is a single database for tracking contaminated site cleanup activities in the Florida Department of Environmental Protection (DEP)'s Division of Waste Management (DWM). Includes records from 11 different DEP data systems, allowing tracking of a contaminated site throughout the course of cleanup regardless of which program area took the lead.

Government Publication Date: Feb 7, 2025

Florida Department of Environmental Protection Cleanup Sites: CLEANUP DEP

This Cleanup Sites dataset is provided by the Florida Department of Environmental Protection (FDEP), and the layer is included on the FDEP's Contamination Locator Map (CLM) tool. The data provides locations and document links for sites currently in the cleanup process and sites awaiting cleanup funding. Cleanup programs include Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

Government Publication Date: Mar 31, 2025

Waste Cleanup Responsible Party Sites: WCRPS

List of Open, Closed, and Inactive Waste Cleanup Responsible Party sites made available by the Florida Department of Environmental Protection.

Government Publication Date: Apr 11, 2021

Delisted Waste Cleanup Sites: DELISTED WCP

List of sites which once appeared on - and have since been removed from - the list of Waste Cleanup Sites made available by the Florida Department of Environmental Protection.

Government Publication Date: Mar 31, 2025

Solid Waste Facilities and Landfills: SWF/LF

The Solid Waste Facility Inventory Report made available by the Florida Department of Environmental Protection (FDEP) includes all types of authorized and unauthorized facilities: municipal solid waste, landfills, dumps, construction and demolition disposal, recycling facilities, and more.

Government Publication Date: Dec 6, 2024

Leaking Tanks: LST

This list of leaking storage tanks is sourced from the Florida Department of Environmental Protection (FDEP). The Storage Tank and Petroleum Contamination/Cleanup Monitoring (STCM) section is part of the Petroleum Restoration Program (PRP) in the FDEP's Division of Waste Management. The PRP encompasses the technical oversight, management, and administrative activities necessary to prioritize, assess and clean-up sites contaminated by discharges of petroleum and petroleum products from stationary petroleum storage systems. Over 28,000 facilities have reported discharges of petroleum products from storage tank systems. STCM database reports do not include discharges that are not required for Rule 62-780 as well as discharges that have already been cleaned up. Rule 62-780 applies to site rehabilitation conducted at sites contaminated with pollutants, hazardous substances, drycleaning solvents, petroleum and petroleum products. Florida relies on groundwater for about 92 percent of its drinking water needs and has some of the most stringent rules in the country.

Government Publication Date: Feb 6, 2025

Delisted Leaking Tanks: DELISTED LST

Whereas Leaking Tanks (LST) includes only facilities which currently have contamination as recorded by the Florida Department of Environmental Protection, this list contains facilities which were once included in LST data but no longer appear on the list made available by FDEP. Facilities may be removed from the current LST list because the discharge has been cleaned up, or the discharge is not required for 62-770.

Government Publication Date: Feb 6, 2025

Underground Storage Tanks: UST

List of Underground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity. In an effort to minimize the occurrence and environmental risks of releases and discharges, FDEP administers standards pertaining to the construction, installation, operation, maintenance, repair, closure, and disposal of underground storage tank systems that store regulated substances.

Government Publication Date: Mar 21, 2025

Aboveground Storage Tanks: AST

List of Aboveground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity.The Florida Department of Environmental Protection (FDEP) provides standards for aboveground storage tanks (ASTs) that have individual storage tank capacities greater than 550 gallons. The state also regulates the registration, construction, installation, operation, maintenance, repair, closure, and disposal of storage tank systems that store regulated substances.
Government Publication Date: Mar 21, 2025

Storage Tank Facilities: TANK

List of storage tank facilities made available by the Florida Department of Environmental Protection (FL DEP) for which tank information is not available. In the case of closed facilities - where all tanks have been removed or closed, and there is also no petroleum discharge or on-going cleanup activity - the owner data may not be current, but rather would represent the most recent information made available to FL DEP.
Government Publication Date: Mar 21, 2025

Delisted AST UST Storage Tanks: DEL UST AST TANK

This database contains a list of closed UST and AST storage tank sites that were removed from the Florida Department of Environmental Protection (FDEP) storage tank database.
Government Publication Date: Jul 2, 2015

Delisted Storage Tanks: DEL STORAGE TANK

List of sites that once appeared on - and have since been removed from - the list of UST and AST storage tank facilities made available by the Florida Department of Environmental Protection.
Government Publication Date: Mar 21, 2025

Federal Facilities Listing: FF TANKS

The Florida Department of Environmental Protection (FDEP) Storage Tank Program registers facilities and storage tanks where aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.
Government Publication Date: Mar 11, 2025

Storage Tank/Contaminated Facility Search: STCS

List of facilities and tanks in the Florida Department of Environmental Protection (FDEP) Bureau of Petroleum Storage Systems Storage Tank/Contaminated Facility Search. Note that tank details do not appear for facilities for which all tanks have been removed.
Government Publication Date: Jan 6, 2025

Institutional Controls Registry: INST

The Institutional Controls registry is maintained by the Florida Department of Environmental Protection (FDEP). The registry aims to help preserve adequate protection of contaminated soil regions and help to minimize any chances of exposure.
Government Publication Date: Jan 30, 2025

Engineering Controls: ENG

A listing of all engineering controls that are in place to eliminate or reduce the potential for contaminant migration and exposure to contaminants. These controls may include caps, barriers, guards or fences. The list is maintained by the Florida Department of Environmental Protection (FDEP).
Government Publication Date: Jan 30, 2025

Voluntary Cleanup Sites: VCP

A listing of active and closed voluntary cleanup sites registered by the Florida Department of Environmental Protection (FDEP).
Government Publication Date: Mar 4, 2025

Brownfield Sites: BROWNFIELDS

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of sites within designated Brownfield Areas within Florida where Brownfield Site Rehabilitation Agreement (BSRA)s have been executed between FDEP and a responsible party.
Government Publication Date: Feb 20, 2025

Brownfield Areas: BROWNFIELD AREA

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of Brownfield Areas, defined by the FDEP as contiguous areas of one or more brownfield sites, some of which may not be contaminated, that have been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. Because a variety of sources and methods were used to derive information for this data, locations are approximate.
Government Publication Date: Feb 20, 2025

Hazardous Waste Facility List: HAZ WASTE FAC
List of Hazardous Waste Financial Assurance Facilities made available by the Division of Waste Management of the Florida Department of Environmental Protection (FDEP). The FDEP's Hazardous waste financial responsibility requirements exist to ensure that certain hazardous waste facilities and transporters have the financial resources available to provide for closure, postclosure and corrective action requirements and/or pay for bodily injury or property damage that might result from accidents, spills or other unexpected events, known as liabilities. These closure, postclosure, corrective action and liability requirements are called financial assurance.
Government Publication Date: Jan 3, 2025

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST
This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 18, 2024

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST
This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 18, 2024

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST
Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 18, 2024

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST
Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 18, 2024

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG
The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.
Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Aug 1, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 17, 2024

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Oct 24, 2024

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Jun 27, 2024

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Mar 24, 2025

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Dec 16, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jan 13, 2025

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Mar 23, 2025

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Mar 24, 2025

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Nov 20, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 6, 2025

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 6, 2025

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Apr 15, 2024

State

Historic Potential Business Activity Risk: HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

Priority Ranking List: PRIORITYCLEAN

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility or wholesale supply facility (Chapter 376, Florida Statutes). The program is administered by the Florida Department of Environmental Protection (FDEP). The statute was sponsored by the drycleaning industry to address environmental, economic, and liability issues resulting from drycleaning solvent contamination. The program provides limited liability protection to the owner, operator and real property owner of drycleaning or wholesale supply facilities for cleanup of drycleaning solvent contamination if the parties meet the eligibility conditions stated in the law.

Government Publication Date: Mar 31, 2025

Dry Cleaning Facilities: DRYCLEANERS

A listing of dry cleaning facilities registered with the Florida Department of Environmental Protection (FDEP). The information contains facility identification number, site location information, related party (owner) information, and facility type and status. Data is taken from the Storage Tank & Contamination Monitoring database, the registration repository of dry cleaner facility data.

Government Publication Date: Dec 16, 2024

Delisted Dry Cleaning Facilities: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Florida Department of Environmental Conservation (DEC).

Government Publication Date: Dec 16, 2024

Historical Dry Cleaners: HISTORICAL DRYC

The Florida Department of Environmental Protection (FDEP) provided this historical database of regulated and non-regulated dry cleaning facilities. These facilities were at one time tracked and registered by the FDEP OCULUS Electronic Document Management System as "drums" in the underground storage tank database.

Government Publication Date: Aug 2, 2013

Oil and Hazardous Materials Incidents: SPILLS

Statewide listing of oil and hazardous materials spills and incidents recorded by the Florida Department of Environmental Protection (FDEP).

Government Publication Date: Feb 26, 2025

Contaminated Sites: DWM CONTAM

Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM) listing of active or known sites that include sites requiring cleanup but are not actively being worked on due to the agency's lack of funding (primarily petroleum and drycleaning).

Government Publication Date: Mar 3, 2025

Delisted Contaminated Sites: DEL CONTAM SITE

List of sites which were once included on the Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM)'s Contaminated Sites list. As sites on the Contaminated Sites (CS) list are cleaned up or closed under risk based corrective action, they are removed from the CS list.

Government Publication Date: Sep 30, 2015

Aqueous Film Forming Foam (AFFF): PFAS AFFF

A list of fire fighter training facilities that use or possibly used Aqueous Film Forming Foam (AFFF). This list is made available by the Florida Department of Environmental Protection (DEP).

Government Publication Date: Aug 29, 2024

PFAS Investigation at Federal Facilities: PFAS

List of sites - including Federal Facilities - in Florida at which either a) there has been confirmed or suspected usage of Aqueous Film Forming Foam (AFFF), or b) the Division of Waste Management has identified as a potential source or environmental impact related to per- and polyfluoroalkyl substances (PFAS). The Florida Department of Environmental Protection (DEP) is committed to the protection of the groundwater resources of the state and the public health and safety of residents. The DEP will continue its efforts to investigate and understand PFAS in the environment and the ecological and human health risks associated with PFAS contamination. Listings made available by the Florida Department of Environmental Protection (DEP).

Government Publication Date: Apr 9, 2025

Ground Water Contamination Areas: GW CONTAM

List of areas of known groundwater contamination made available by the Florida Department of Environmental Protection (DEP). 38 counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

Government Publication Date: Jul 12, 2023

Underground Injection Control Wells: UIC

Class I Underground Injection Control (UIC) wells that are currently or were previously active, as well as proposed sites, regulated by the Florida Department of Environmental Protection (FDEP). Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water.

Government Publication Date: Apr 10, 2025

Well Surveillance Program Facilities: WELL SURVEILLANCE

List of facilities made available by the Florida Health Well Surveillance group. The Well Surveillance group manages several programs to identify and monitor areas in Florida where contaminated drinking water is suspected and may pose a threat to public health. The section coordinates with the County Health Departments (CHDs) to locate potable wells and conduct water sampling for contaminants of concern. The Well Surveillance Section is composed of the State Underground Petroleum Environmental Response Act (SUPER Act), Drinking Water Toxics Program (Toxics), Drycleaner Solvent Cleanup Program (DSCP). Includes locations of known cattle dipping vats.

Government Publication Date: Mar 26, 2025

Cattle Dip Vats: CDV SOUTHEAST

A list of Cattle Dip Vats in Southeast Florida made available by the Florida Department of Environmental Protection.

Government Publication Date: Jan 19, 2017

Tier 2 Report: TIER 2

A list of Tier 2 facilities in the state of Florida. The list tracks the inventory of chemicals within a particular facility. This list is provided by the Florida Division of Emergency Management.

Government Publication Date: Apr 2, 2024

Delisted County Records: DELISTED COUNTY

Records removed from county databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Mar 20, 2025

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

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PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		25042200017p
Date Completed:		April 23, 2025
Project Number:		25-115 / 25-115
Project Property:		Mandich Apopka 2560 West Orange Blossom Trail Apopka FL 32712
Coordinates:		
	Latitude:	28.69035853
	Longitude:	-81.55094452
	UTM Northing:	3173805.01494 Meters
	UTM Easting:	446178.447333 Meters
	UTM Zone:	UTM Zone 17R
	Elevation:	121.93 ft
	Slope Direction:	SE

Topographic Information....2
Hydrologic Information....10
Geologic Information....13
Soil Information....15
Wells and Additional Sources....27
Summary....31
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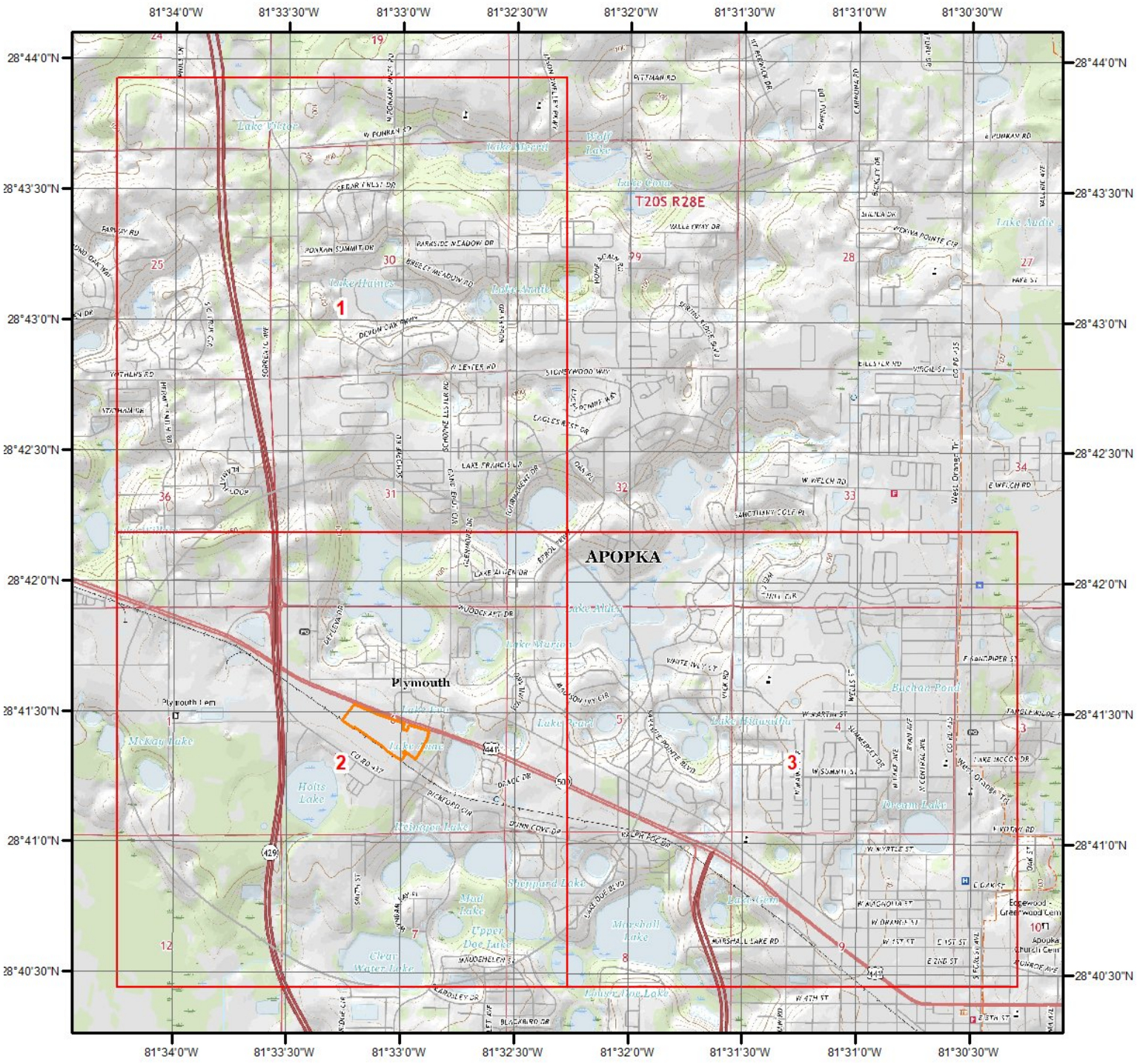
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2021)

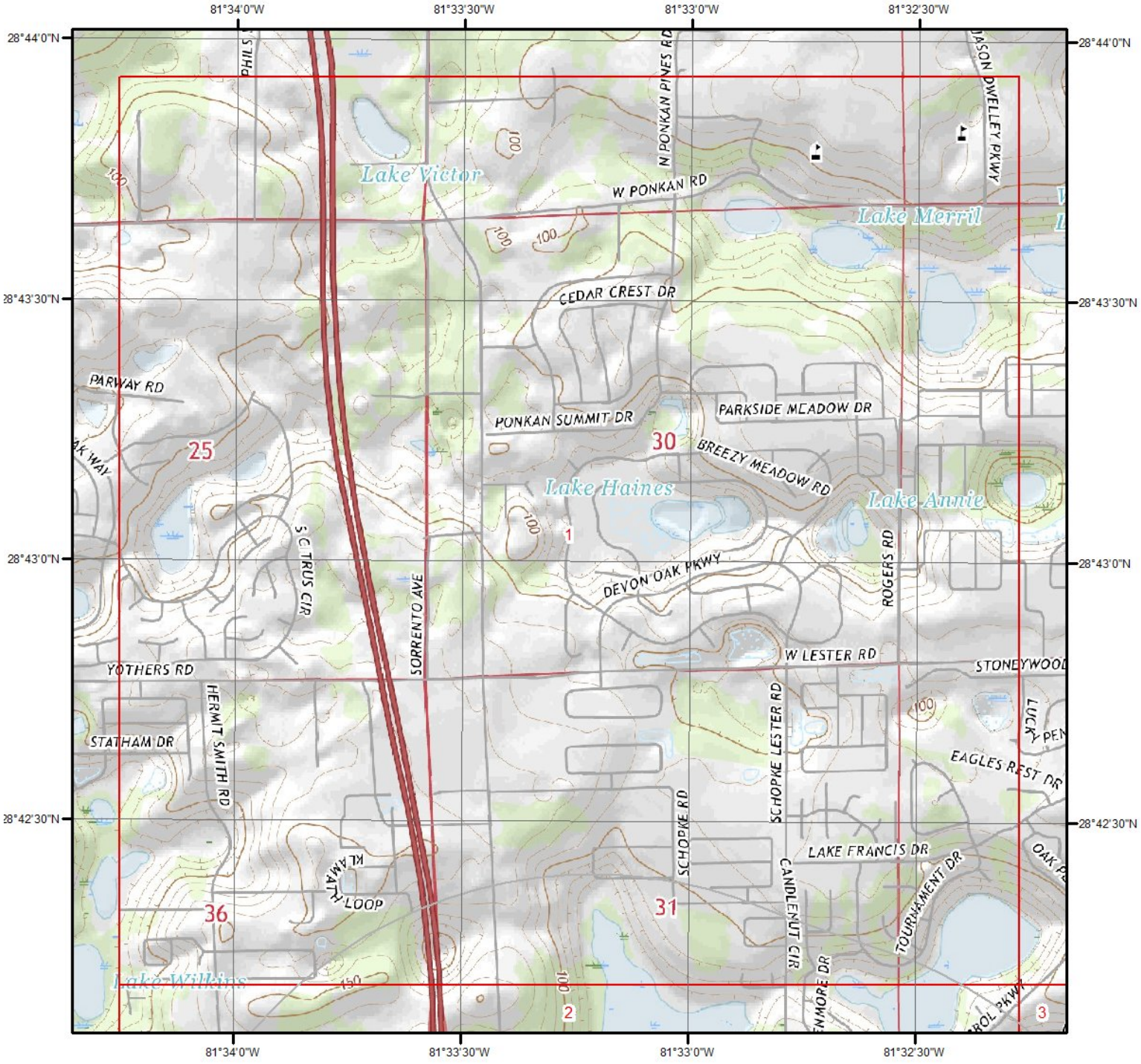
0 0.2 0.4 0.8 1.2 1.6 Miles

N

Quadrangle(s): Clermont East,FL; Eustis,FL; Astatula,FL; Sanford SW,FL; Apopka,FL; Sorrento,FL; Forest City,FL; Orlando West,FL; Winter G

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

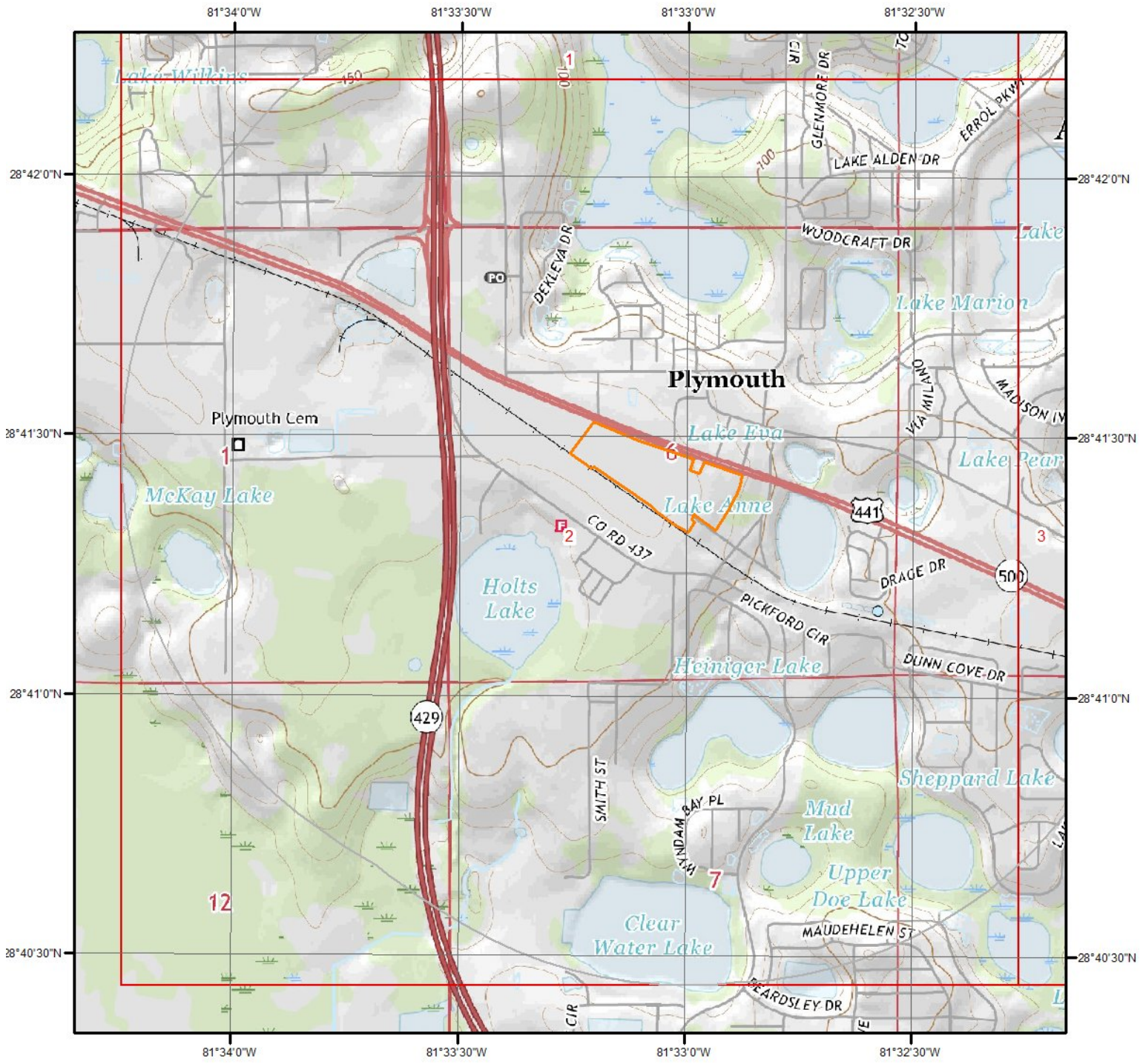
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Apopka,FL

Source: USGS 7.5 Minute Topographic Map

Topographic Information

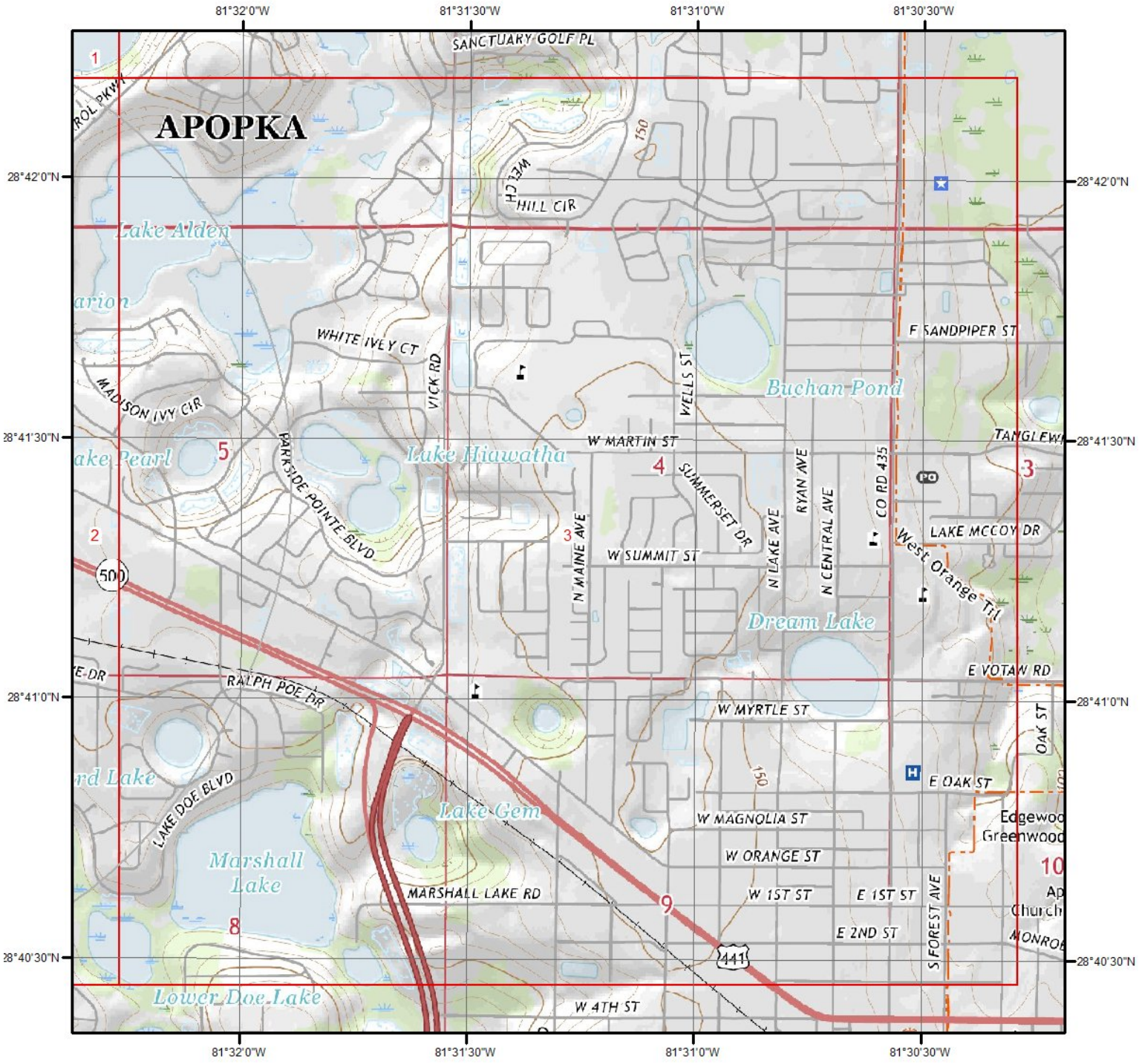


Current USGS Topo - Page 2

Quadrangle(s): Apopka,FL

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Apopka,FL

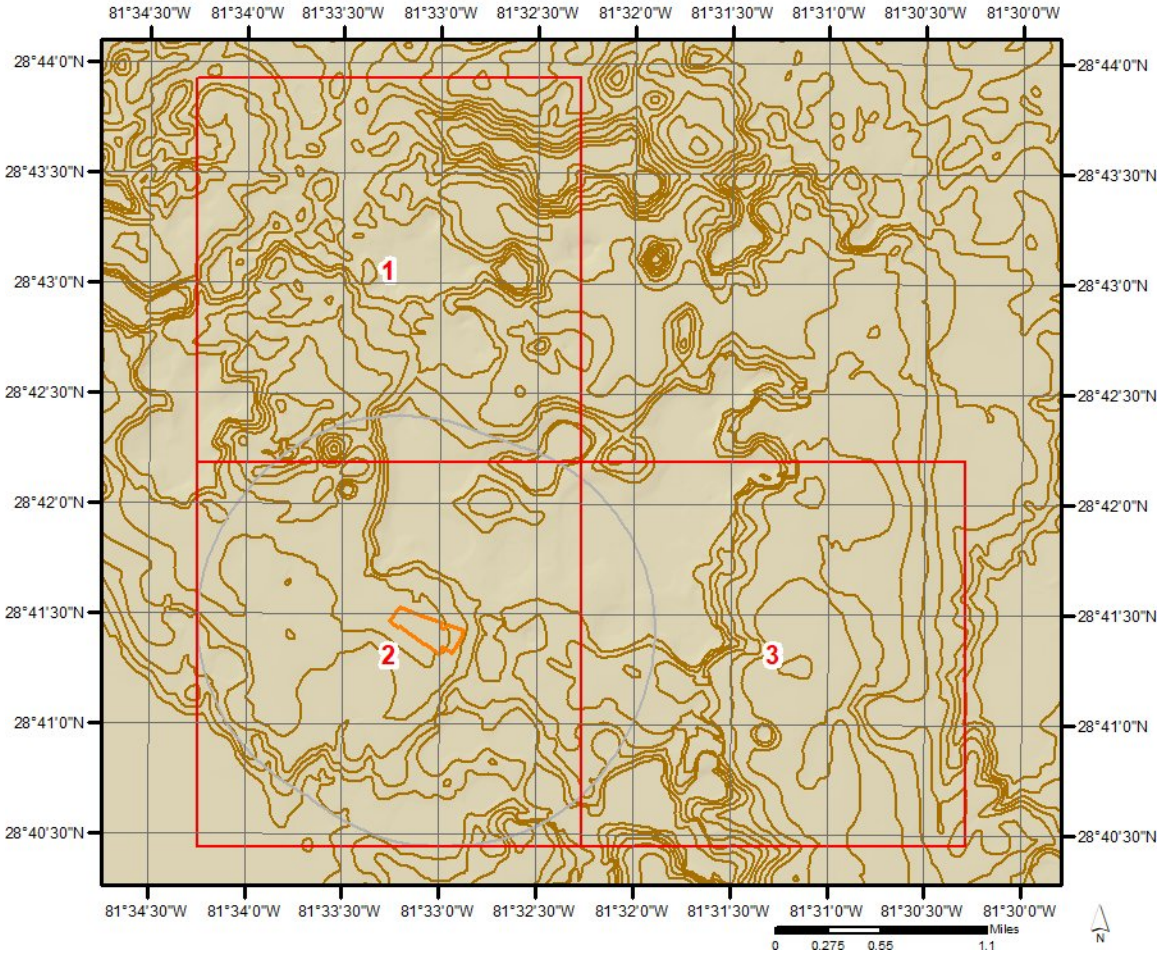
Source: USGS 7.5 Minute Topographic Map

Topographic Information

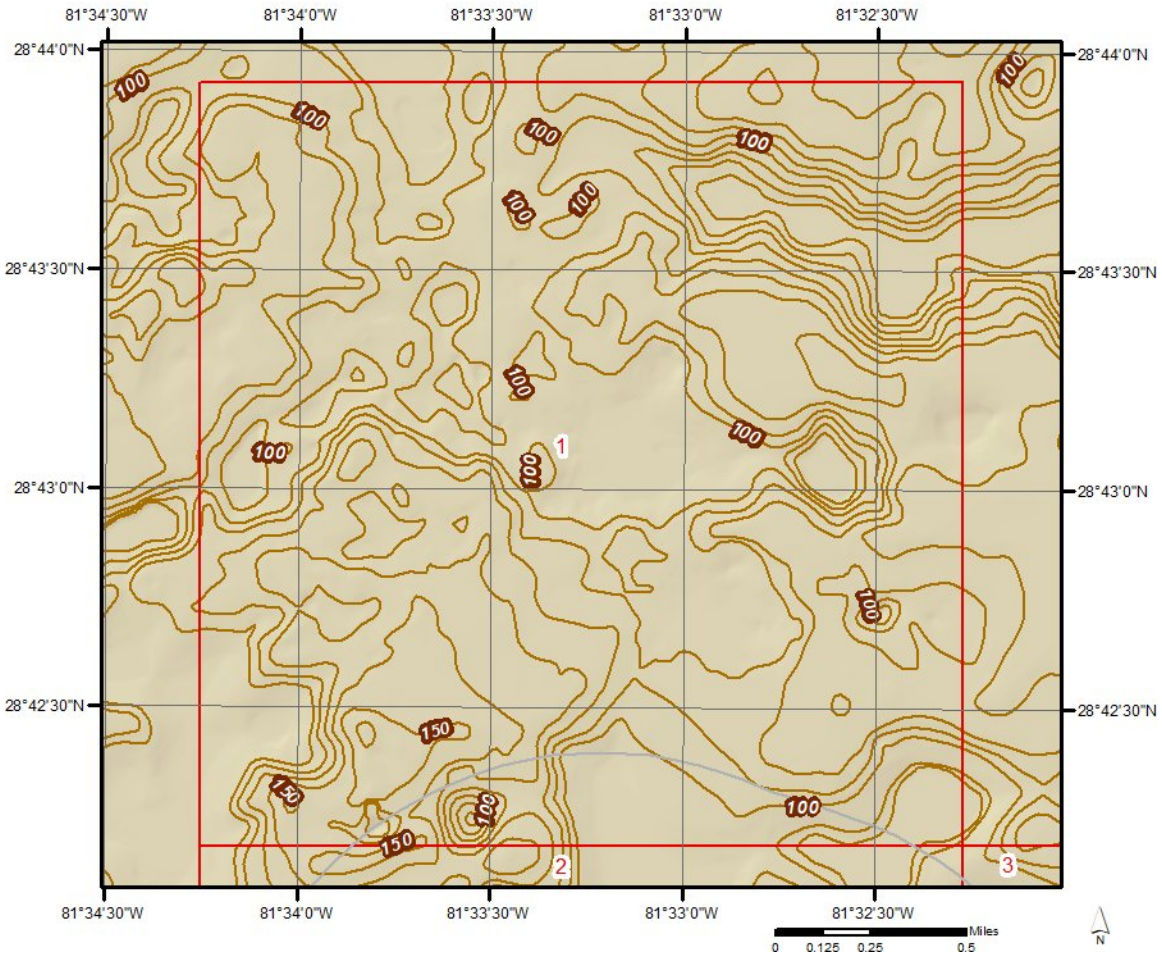
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	121.93 ft
Slope Direction:	SE



Topographic Information



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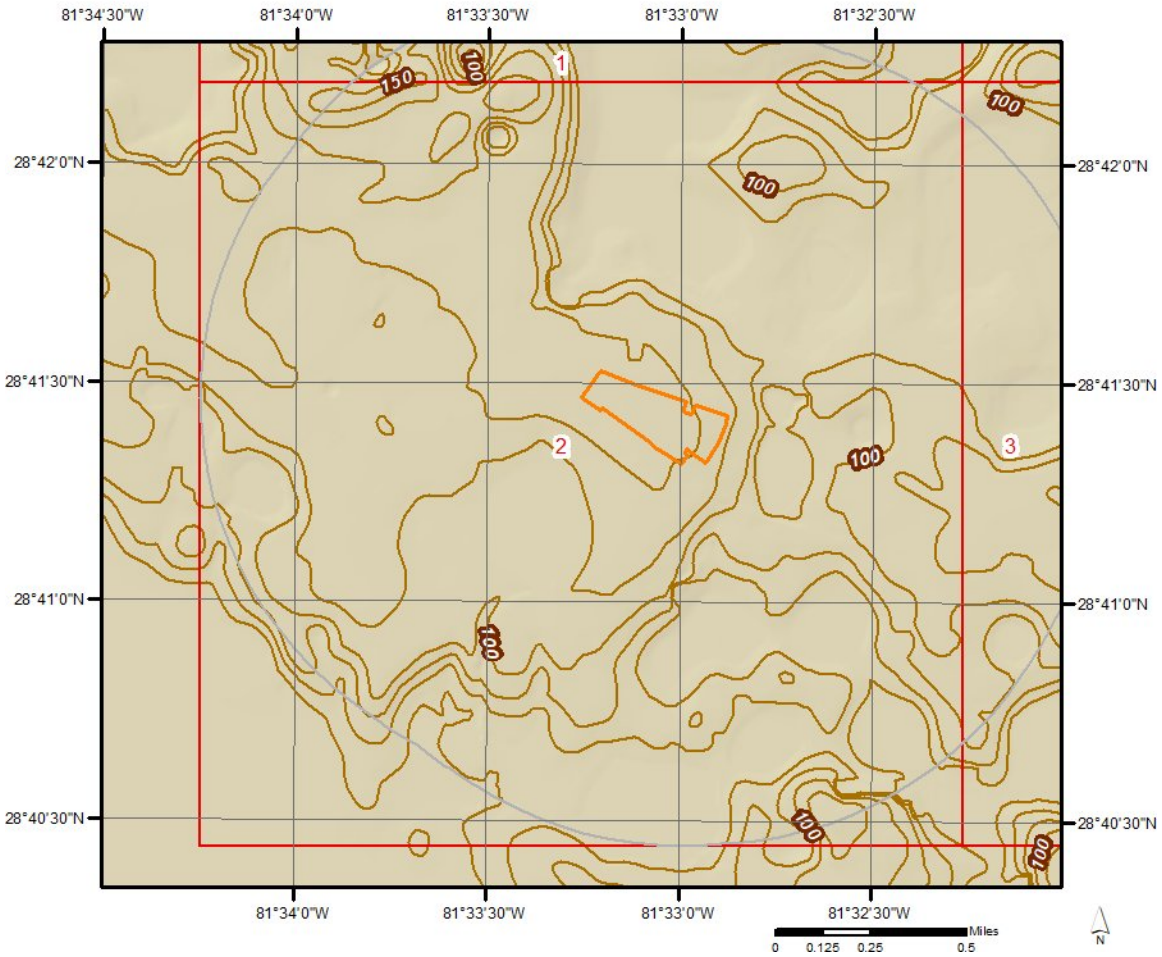

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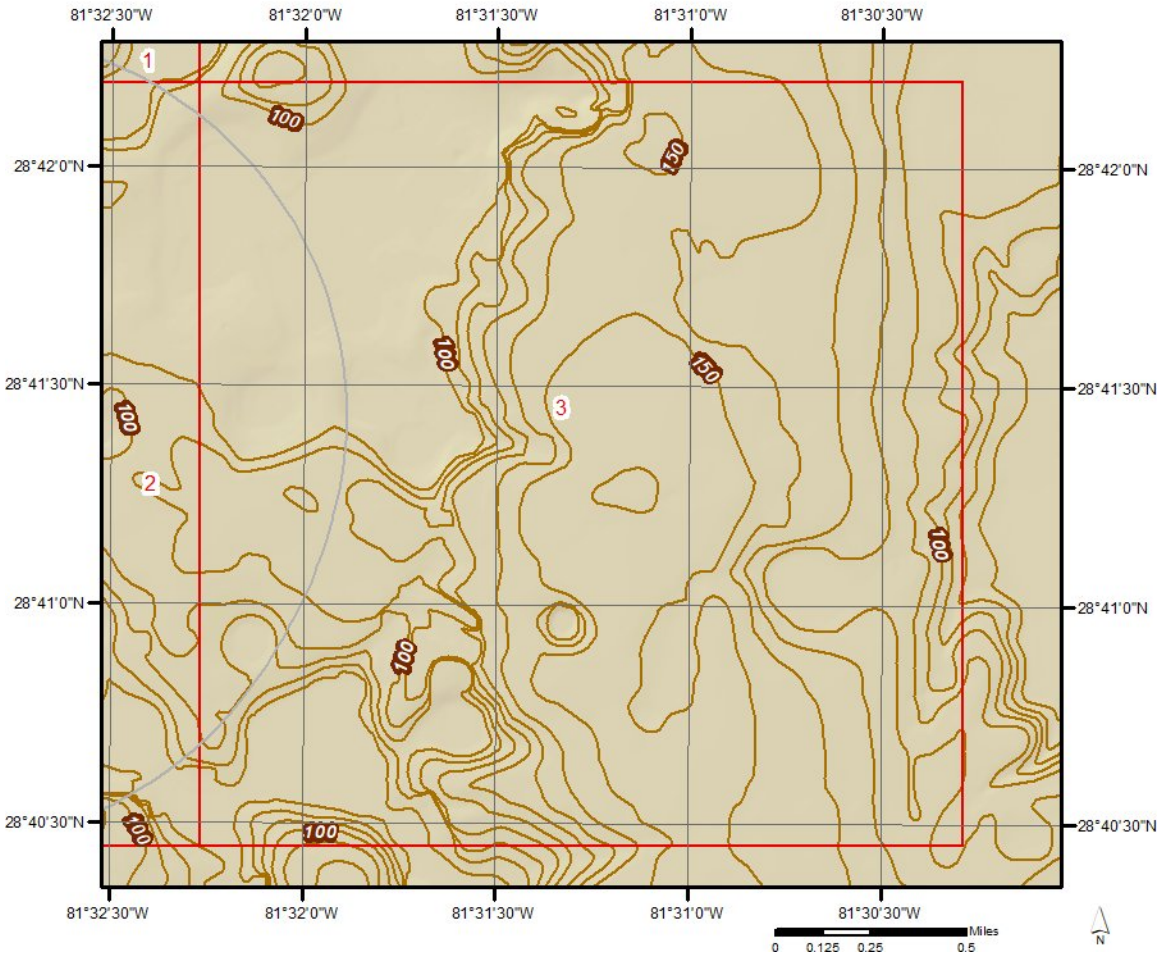
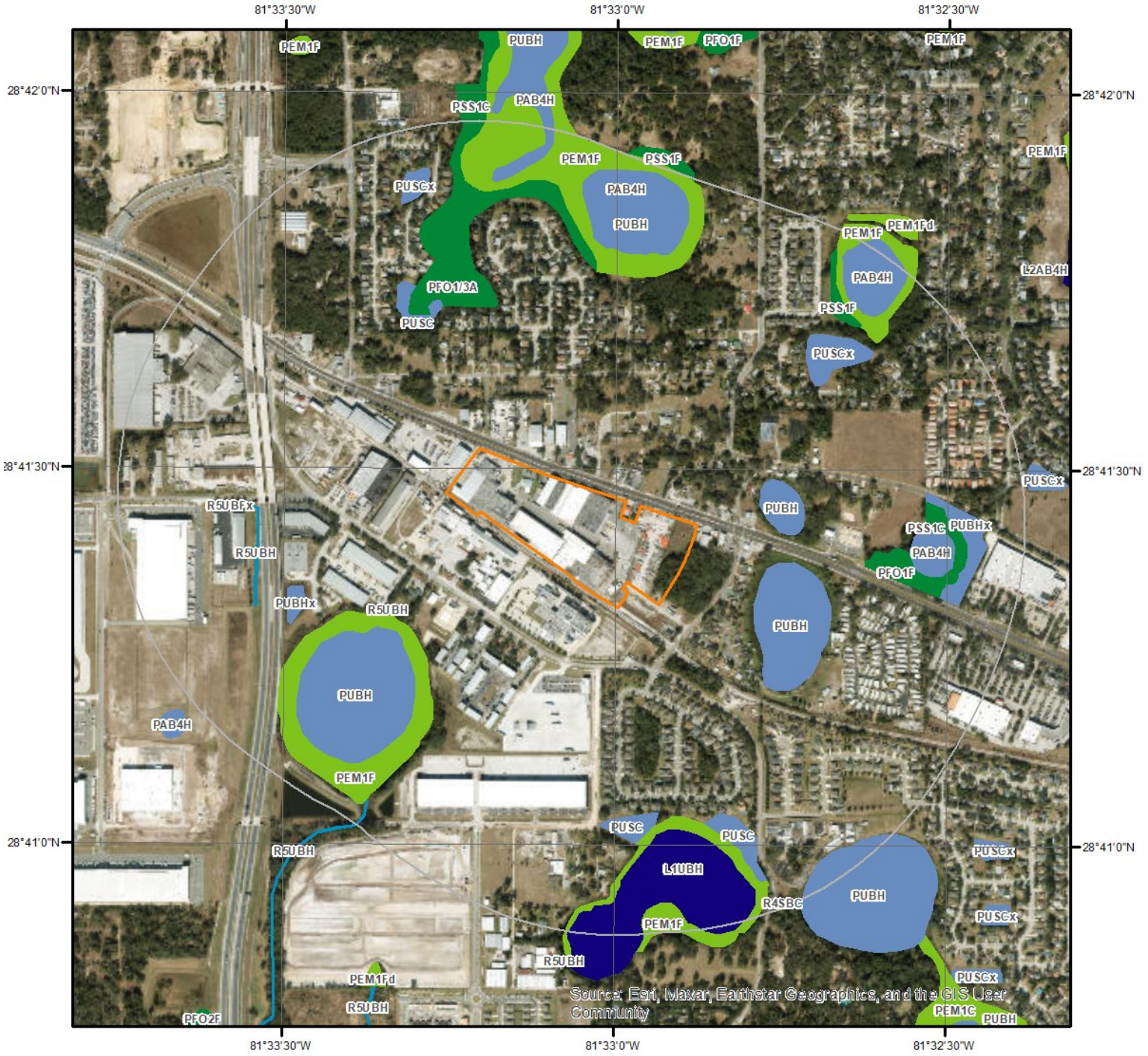


Hydrologic Information



Wetland

Miles
0 0.1 0.2 0.4

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlayed. An absent FIRM panel represents no data available.

Miles
0 0.1 0.2

N

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Clermont East,FL; Eustis,FL; Astatula,FL; Sanford SW,FL;

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	12095C0120H(effective:2021-09-24) 12095C0110H(effective:2021-09-24)

Flood Zone A-01

Zone:	A
Zone subtype:	

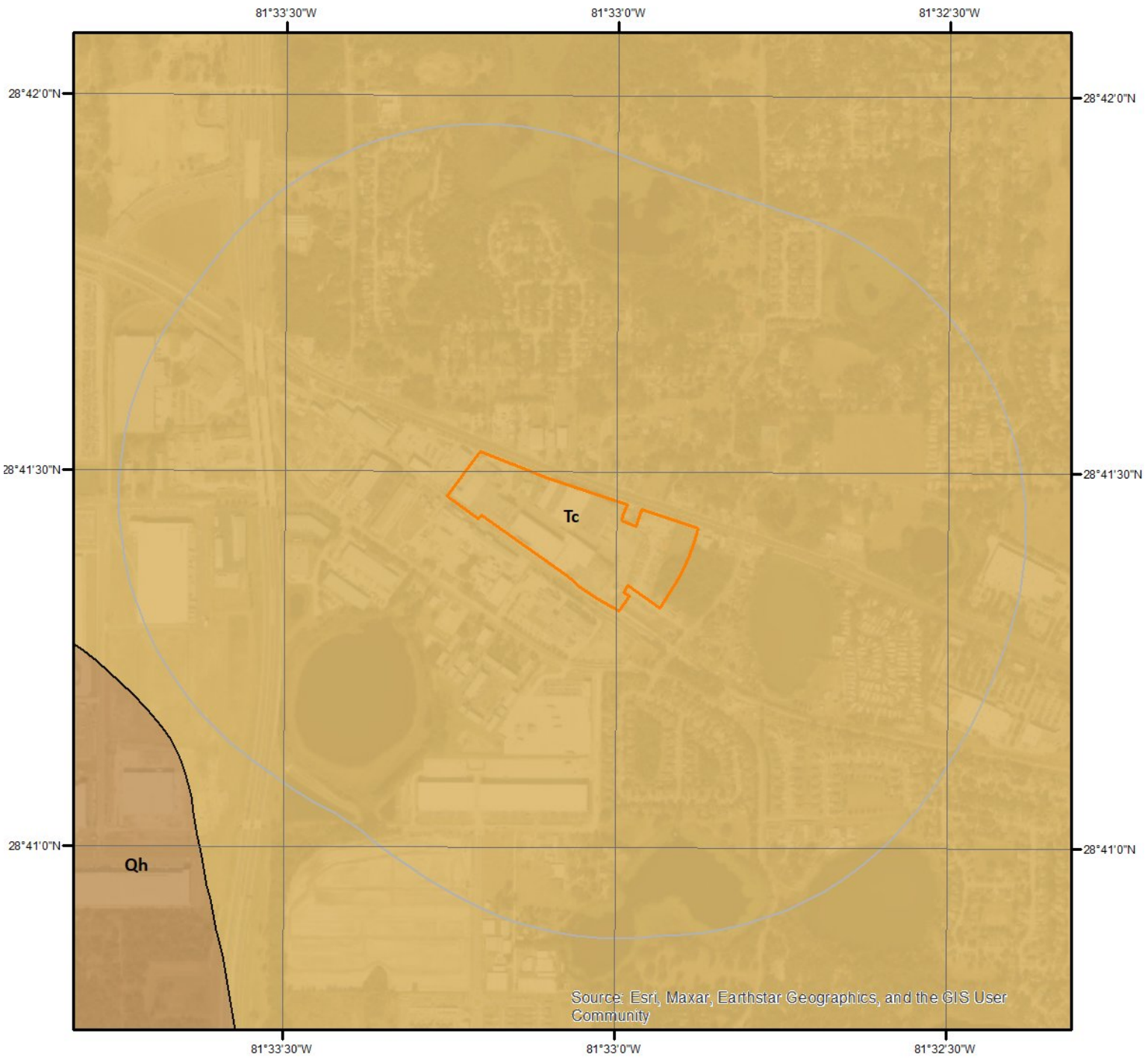
Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

N

0 0.175 0.35 Miles

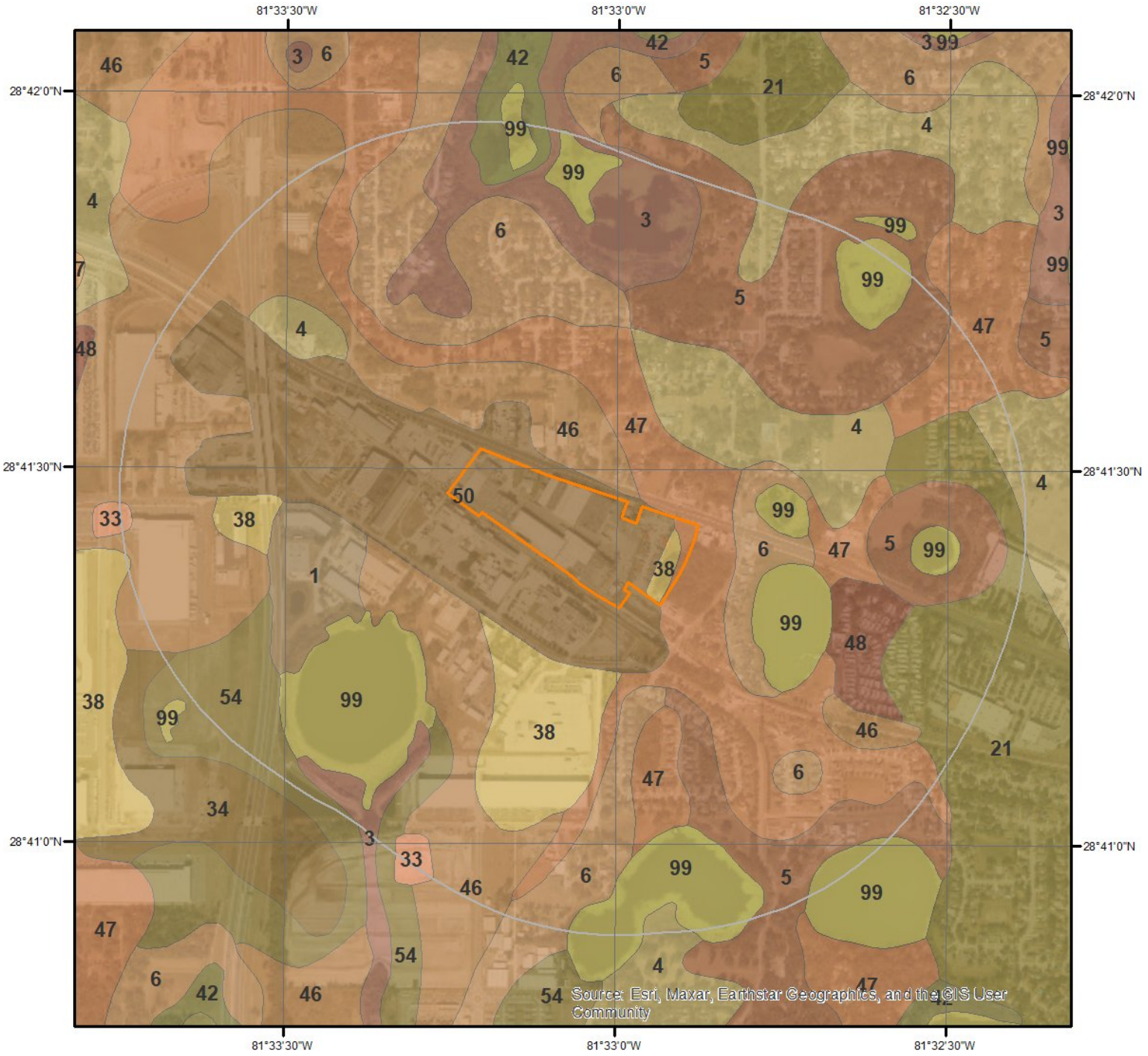
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Tc

Unit Name:	Cypresshead Formation
Unit Age:	Pliocene
Primary Rock Type:	Sand
Secondary Rock Type:	
Unit Description:	The Cypresshead Formation named by Huddlestun (1988), is composed of siliciclastics and occurs only in the peninsula and eastern Georgia. It is at or near the surface from northern Nassau County southward to Highlands County forming the peninsular highlands. It appears that the Cypresshead Formation occurs in the subsurface southward from the outcrop region and similar sediments, the Long Key Formation, underlie the Florida Keys. The Cypresshead Formation is a shallow marine, near shore deposit equivalent to the Citronelle Formation deltaic sediments and the Miccosukee Formation prodeltaic sediments. The Cypresshead Formation consists of reddish brown to reddish orange, unconsolidated to poorly consolidated, fine to very coarse grained, clean to clayey sands. Cross bedded sands are common within the formation. Discoid quartzite pebbles and mica are often present. Clay beds are scattered and not areally extensive. In general, the Cypresshead Formation in exposure occurs above 100 feet (30 meters) above mean sea level (msl). Original fossil material is not present in the sediments although poorly preserved molds and casts of mollusks and burrow structures are occasionally present. The presence of these fossil "ghosts" and trace fossils documents marine influence on deposition of the Cypresshead sediments. The permeable sands of the Cypresshead Formation form part of the surficial aquifer system.

Soil Information



SSURGO Soils

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

N

0 0.175 0.35 Miles

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 1 (0.9%)

Map Unit Name:	Arents, nearly level
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	76cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Arents(100%)

horizon AC(0cm to 203cm) Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1 - Arents, nearly level

Component: Arents (100%)
The Arents component makes up 100 percent of the map unit. Slopes are 0 to 2 percent. This component is on sanitary landfills, fills, rises on marine terraces on coastal plains. The parent material consists of altered marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is very high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during June, July, August, September. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Map Unit 21 (10.46%)

Map Unit Name:	Lake fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Lake(85%)

horizon A(0cm to 23cm) Fine sand
horizon C(23cm to 203cm) Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 21 - Lake fine sand, 0 to 5 percent slopes

Component: Lake (85%)
The Lake component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian deposits or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent.

Soil Information

Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Arredondo (8%)
Generated brief soil descriptions are created for major soil components. The Arredondo soil is a minor component.

Component: Tavares (5%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Component: Jonesville (2%)
Generated brief soil descriptions are created for major soil components. The Jonesville soil is a minor component.

Map Unit 3 (4.11%)

Map Unit Name:	Basinger fine sand, frequently ponded, 0 to 1 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Basinger(90%)

horizon A(0cm to 13cm)	Fine sand
horizon E(13cm to 36cm)	Fine sand
horizon Bh/E(36cm to 91cm)	Fine sand
horizon Cg(91cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 3 - Basinger fine sand, frequently ponded, 0 to 1 percent slopes

Component: Basinger (90%)
The Basinger component makes up 90 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on marine terraces on coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during July, August, September, October. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Smyrna (5%)
Generated brief soil descriptions are created for major soil components. The Smyrna soil is a minor component.

Component: Samsula (3%)
Generated brief soil descriptions are created for major soil components. The Samsula soil is a minor component.

Component: Floridana (2%)
Generated brief soil descriptions are created for major soil components. The Floridana soil is a minor component.

Map Unit 33 (0.21%)

Map Unit Name:	Pits

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 33 - Pits

Component: Pits (70%)
Generated brief soil descriptions are created for major soil components. The Pits is a miscellaneous area.

Component: Aquents (30%)
Generated brief soil descriptions are created for major soil components. The Aquents soil is a minor component.

Map Unit 34 (1.81%)

Map Unit Name:	Pomello fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	84cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Pomello(95%)

horizon A(0cm to 10cm)	Fine sand
horizon E(10cm to 119cm)	Fine sand
horizon Bh(119cm to 147cm)	Fine sand
horizon Bw(147cm to 165cm)	Fine sand
horizon C(165cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 34 - Pomello fine sand, 0 to 5 percent slopes

Component: Pomello (95%)
The Pomello component makes up 95 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges, coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches during July, August, September, October, November. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 0 within 30 inches of the soil surface.

Component: Smyrna (3%)
Generated brief soil descriptions are created for major soil components. The Smyrna soil is a minor component.

Component: Bulow (1%)
Generated brief soil descriptions are created for major soil components. The Bulow soil is a minor component.

Component: Tavares (1%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Map Unit 38 (5.42%)

Map Unit Name:	St. Lucie fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

St. Lucie(90%)

horizon A(0cm to 10cm)	Fine sand
horizon C(10cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 38 - St. Lucie fine sand, 0 to 5 percent slopes

Component: St. Lucie (90%)
The St. Lucie component makes up 90 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is very high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: St. Lucie (90%)
The St. Lucie component makes up 90 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is very high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Archbold (4%)
Generated brief soil descriptions are created for major soil components. The Archbold soil is a minor component.

Component: Archbold (4%)
Generated brief soil descriptions are created for major soil components. The Archbold soil is a minor component.

Component: Myakka (3%)
Generated brief soil descriptions are created for major soil components. The Myakka soil is a minor component.

Component: Myakka (3%)
Generated brief soil descriptions are created for major soil components. The Myakka soil is a minor component.

Component: Cassia (3%)
Generated brief soil descriptions are created for major soil components. The Cassia soil is a minor component.

Component: Cassia (3%)
Generated brief soil descriptions are created for major soil components. The Cassia soil is a minor component.

Map Unit 4 (13.68%)

Map Unit Name:	Candler fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Candler(85%)

horizon A(0cm to 10cm)	Fine sand
horizon E(10cm to 183cm)	Fine sand
horizon E and Bt(183cm to 203cm)	Fine sand

Component Description:

Soil Information

Minor map unit components are excluded from this report.

Map Unit: 4 - Candler fine sand, 0 to 5 percent slopes

Component: Candler (90%)
The Candler component makes up 90 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian deposits and/or sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Tavares (4%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Component: Adamsville (3%)
Generated brief soil descriptions are created for major soil components. The Adamsville soil is a minor component.

Component: Millhopper (3%)
Generated brief soil descriptions are created for major soil components. The Millhopper soil is a minor component.

Map Unit 42 (0.72%)

Map Unit Name:	Sanibel muck
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Sanibel(65%)	
horizon Oa(0cm to 28cm)	Muck
horizon A(28cm to 38cm)	Fine sand
horizon C(38cm to 203cm)	Fine sand
Sanibel(25%)	
horizon Oa(0cm to 28cm)	Muck
horizon A(28cm to 38cm)	Fine sand
horizon C(38cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 42 - Sanibel muck

Component: Sanibel (65%)
The Sanibel, undrained component makes up 65 percent of the map unit. Slopes are 0 to 1 percent. This component is on marshes on marine terraces on coastal plains. The parent material consists of thin organic material over sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 35 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Sanibel (25%)
The Sanibel, drained component makes up 25 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on marine terraces on coastal plains. The parent material consists of thin organic material over sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive

layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 18 inches (depth from the mineral surface is 7 inches) during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 35 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Hontoon (5%)
Generated brief soil descriptions are created for major soil components. The Hontoon, undrained soil is a minor component.

Component: Samsula (5%)
Generated brief soil descriptions are created for major soil components. The Samsula soil is a minor component.

Map Unit 46 (10.04%)

Map Unit Name:	Tavares fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	127cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Tavares(85%)

horizon A(0cm to 13cm)	Fine sand
horizon C(13cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 46 - Tavares fine sand, 0 to 5 percent slopes

Component: Tavares (85%)
The Tavares component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 50 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Candler (5%)
Generated brief soil descriptions are created for major soil components. The Candler soil is a minor component.

Component: Apopka (4%)
Generated brief soil descriptions are created for major soil components. The Apopka soil is a minor component.

Component: Zolfo (3%)
Generated brief soil descriptions are created for major soil components. The Zolfo soil is a minor component.

Component: Narcoossee (3%)
Generated brief soil descriptions are created for major soil components. The Narcoossee soil is a minor component.

Map Unit 47 (21.14%)

Map Unit Name:	Tavares-Millhopper fine sands, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	130cm

Soil Information

Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Tavares(58%)

horizon A(0cm to 15cm)	Fine sand
horizon C(15cm to 203cm)	Fine sand

Millhopper(32%)

horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 163cm)	Fine sand
horizon Bt(163cm to 193cm)	Fine sandy loam
horizon Btg(193cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 47 - Tavares-Millhopper complex, 0 to 5 percent slopes

Component: Tavares (63%)
The Tavares component makes up 63 percent of the map unit. Slopes are 0 to 5 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 57 inches during June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Millhopper (32%)
The Millhopper component makes up 32 percent of the map unit. Slopes are 0 to 5 percent. This component is on knolls on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 51 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Candler (3%)
Generated brief soil descriptions are created for major soil components. The Candler soil is a minor component.

Component: Astatula (2%)
Generated brief soil descriptions are created for major soil components. The Astatula soil is a minor component.

Map Unit 48 (0.57%)

Map Unit Name:	Tavares fine sand-Urban land complex, 0 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	76cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Tavares(43%)

horizon A(0cm to 15cm)	Fine sand
horizon C(15cm to 203cm)	Fine sand

Component Description:

Soil Information

Minor map unit components are excluded from this report.

Map Unit: 48 - Tavares fine sand-Urban land complex, 0 to 5 percent slopes

Component: Tavares (43%)
The Tavares component makes up 43 percent of the map unit. Slopes are 0 to 5 percent. This component is on hills on marine terraces on coastal plains. The parent material consists of eolian or sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Urban land (37%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Pomello (6%)
Generated brief soil descriptions are created for major soil components. The Pomello soil is a minor component.

Component: Cassia (5%)
Generated brief soil descriptions are created for major soil components. The Cassia soil is a minor component.

Component: Apopka (4%)
Generated brief soil descriptions are created for major soil components. The Apopka soil is a minor component.

Component: Astatula (3%)
Generated brief soil descriptions are created for major soil components. The Astatula soil is a minor component.

Component: Adamsville (2%)
Generated brief soil descriptions are created for major soil components. The Adamsville soil is a minor component.

Map Unit 5 (6.89%)

Map Unit Name:	Candler fine sand, 5 to 12 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Candler(94%)

horizon A(0cm to 10cm)	Fine sand
horizon E(10cm to 155cm)	Fine sand
horizon E and B(155cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 5 - Candler fine sand, 5 to 12 percent slopes

Component: Candler (94%)
The Candler component makes up 94 percent of the map unit. Slopes are 5 to 12 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian deposits and/or sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil

surface.

Component: Tavares (2%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Component: Apopka (2%)
Generated brief soil descriptions are created for major soil components. The Apopka soil is a minor component.

Component: Millhopper (2%)
Generated brief soil descriptions are created for major soil components. The Millhopper soil is a minor component.

Map Unit 50 (5.85%)

Map Unit Name: Urban land, 0 to 2 percent slopes

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant:

Hydrologic Group - Dominant:

Major components are printed below

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 50 - Urban land, 0 to 2 percent slopes

Component: Urban land (85%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: St. Augustine (3%)
Generated brief soil descriptions are created for major soil components. The St. Augustine soil is a minor component.

Component: Matlacha (3%)
Generated brief soil descriptions are created for major soil components. The Matlacha soil is a minor component.

Component: Boca (1%)
Generated brief soil descriptions are created for major soil components. The Boca soil is a minor component.

Component: Immokalee (1%)
Generated brief soil descriptions are created for major soil components. The Immokalee soil is a minor component.

Component: Adamsville (1%)
Generated brief soil descriptions are created for major soil components. The Adamsville soil is a minor component.

Component: EauGallie (1%)
Generated brief soil descriptions are created for major soil components. The EauGallie soil is a minor component.

Component: Hallandale (1%)
Generated brief soil descriptions are created for major soil components. The Hallandale soil is a minor component.

Component: Myakka (1%)
Generated brief soil descriptions are created for major soil components. The Myakka soil is a minor component.

Component: Apopka (1%)
Generated brief soil descriptions are created for major soil components. The Apopka soil is a minor component.

Component: Pomello (1%)
Generated brief soil descriptions are created for major soil components. The Pomello soil is a minor component.

Component: Paola (1%)
Generated brief soil descriptions are created for major soil components. The Paola soil is a minor component.

Soil Information

Map Unit 54 (7.34%)

Map Unit Name:	Zolfo fine sand, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	76cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Zolfo(85%)

horizon A(0cm to 13cm)	Fine sand
horizon E(13cm to 150cm)	Fine sand
horizon Bh(150cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 54 - Zolfo fine sand, 0 to 2 percent slopes

Component: Zolfo (85%)
The Zolfo component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flatwoods on marine terraces on coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during June, July, August, September, October, November. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Myakka (5%)
Generated brief soil descriptions are created for major soil components. The Myakka soil is a minor component.

Component: Millhopper (4%)
Generated brief soil descriptions are created for major soil components. The Millhopper soil is a minor component.

Component: Tavares (4%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Component: Malabar (2%)
Generated brief soil descriptions are created for major soil components. The Malabar soil is a minor component.

Map Unit 6 (5.91%)

Map Unit Name:	Candler-Apopka fine sands, 5 to 12 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Candler(66%)

horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 175cm)	Fine sand
horizon E and B(175cm to 203cm)	Fine sand

Apopka(31%)

horizon A(0cm to 13cm)	Fine sand
horizon E(13cm to 175cm)	Fine sand
horizon Bt(175cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 6 - Candler-Apopka fine sands, 5 to 12 percent slopes

Component: Candler (66%)
The Candler component makes up 66 percent of the map unit. Slopes are 5 to 12 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian deposits and/or sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Apopka (31%)
The Apopka component makes up 31 percent of the map unit. Slopes are 5 to 12 percent. This component is on ridges on marine terraces on coastal plains. The parent material consists of eolian deposits and/or sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Lochloosa (2%)
Generated brief soil descriptions are created for major soil components. The Lochloosa soil is a minor component.

Component: Tavares (1%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Map Unit 99 (4.96%)

Map Unit Name:	Water

No more attributes available for this map unit

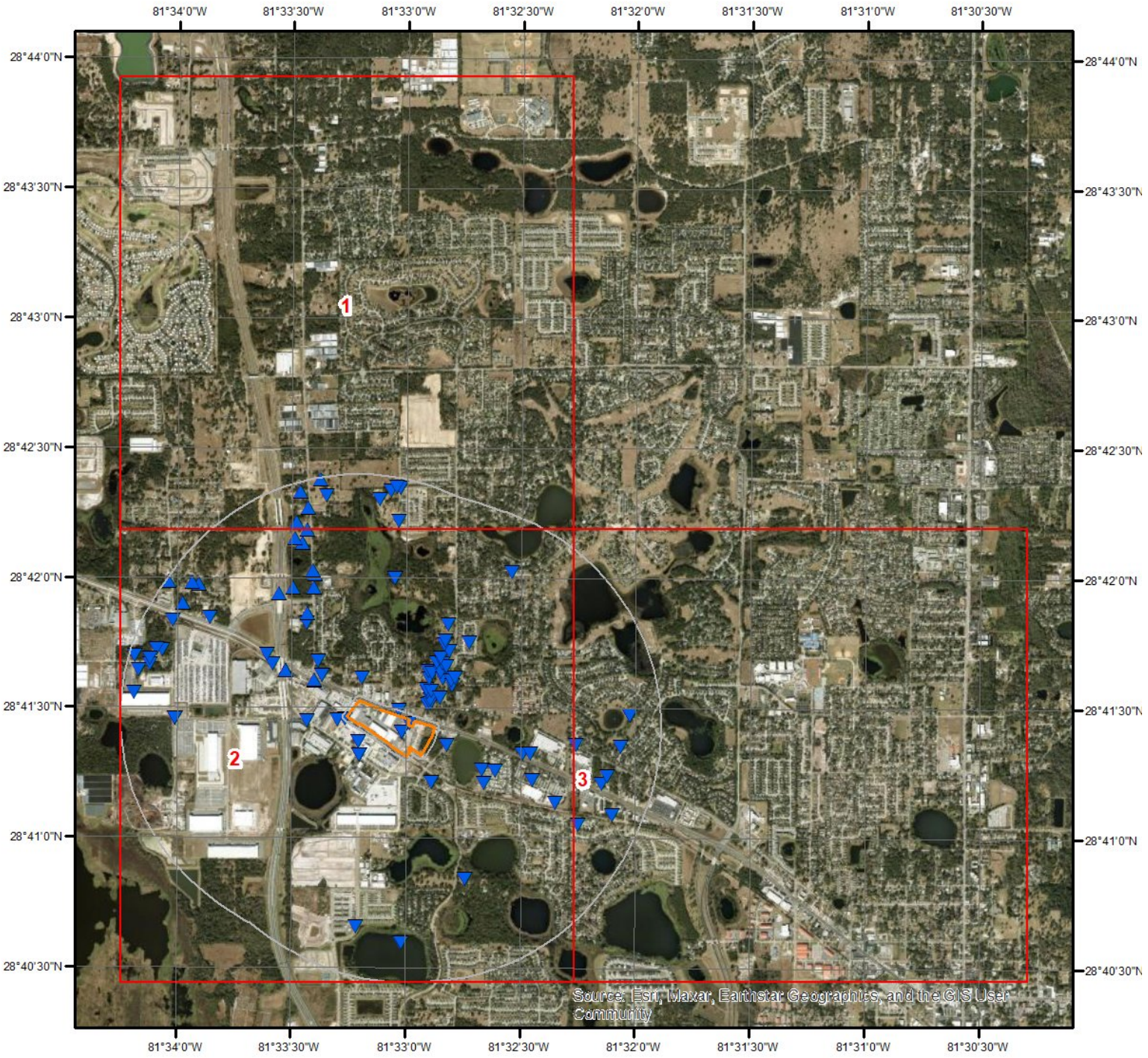
Component Description:

Minor map unit components are excluded from this report.

Map Unit: 99 - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 1

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 2

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 3

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
4	FL3480224	374.30	WSW
88	FL3481552	4648.00	WNW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
4	FL3480224	374.30	WSW
88	FL3481552	4648.00	WNW

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Florida Subsidence Incident Reports

Map Key	ID	Distance (ft)	Direction
	No records found		

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supply Wells

Map Key	Gis Well ID	Distance (ft)	Direction
38	6721	1401.15	ESE
55	6439	3072.97	SSE

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Use Permits Sites - South Florida Water Management District

Map Key	ID	Distance (ft)	Direction

Wells and Additional Sources Summary

No records found

Water Well Completions - Northwest Florida Water Management District

Map Key	ID	Distance (ft)	Direction

No records found

Water Well Completions - St. Johns River Water Management District

Map Key	Permit	Distance (ft)	Direction
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
1	-	0.00	-
3	-	96.34	NNE
6	-	625.15	SW
6	-	625.15	SW
6	-	625.15	SW
6	-	625.15	SW
6	-	625.15	SW
6	-	625.15	SW
7	-	625.17	SW
7	-	625.17	SW
16	-	404.44	ESE
21	-	704.27	SE
32	-	951.22	W
33	-	1029.02	NW
33	-	1029.02	NW
34	-	1107.62	WNW
35	-	1119.40	WNW
45	-	1782.36	WNW
45	-	1782.36	WNW
45	-	1782.36

53	-	2953.08	N
53	-	2953.08	N
53	-	2953.08	N
60	-	3213.70	NNW
64	-	4174.11	S
71	-	4363.85	S
74	-	4023.03	W
74	-	4023.03	W
74	-	4023.03	W
74	-	4023.03	W
74	-	4023.03	W
74	-	4023.03	W
80	-	4645.37	NNW
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
82	-	4568.62	E
83	-	5029.31	N
83	-	5029.31	N
86	-	4600.88	NW
89	-	4633.17	WNW

Water Well Completions - Suwanee River Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Well Construction Permits

Map Key	Permit No	Distance (ft)	Direction
48	129659-1	2125.42	WNW
61	113944-1	3267.42	ESE
67	90467-1	3975.31	ESE

Water Well Construction Permits - Southwest Florida Water Management District

Map Key	Well Constr Permit	Distance (ft)	Direction
70	394592	4360.59	S
84	395112	5048.30	N

Water Wells - Suwanee River Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Surveillance Program Water Wells

Map Key	Permit No	Distance (ft)	Direction
2		20.18	ENE
5		441.38	ENE
8		495.49	ENE
9		573.90	NE

10		703.47	NE
11	3480224	92.29	W
12		762.91	NE
13		749.77	NE
14		672.31	ENE
15	3480224	238.32	W
17		518.19	NNW
18		1023.90	NE
19		1173.22	NNE
20		1160.67	NE
22		1117.75	NE
23		1045.97	NE
24		1245.22	NE
25		1150.52	NE
26		1432.16	NE
27		1224.40	NE
28		1420.89	NE
29		1458.58	NE
30		1416.97	NE
31		1569.63	NE
36		1773.16	NE
37		1890.48	NNE
39		1322.27	NW
40		1986.31	NNE
41		1604.69	ESE
42	3481420	1684.34	ESE
43		2109.94	NE
44		2347.99	NNE
46		2160.43	ESE
47		2160.92	NW
49		2317.40	E
50		2368.98	NW
52		2566.39	ESE
54		2832.98	NNW
56	3480144	3091.07	SSE
57		3047.18	NW
58		3126.33	NNW
59		3112.32	NW
62		3314.35	E
63		4013.04	NE
65		3903.90	NNW
65		3903.90	NNW
66		4277.80	N
68		4060.04	NNW
69	3484200	3932.67	WNW
72		4113.78	ESE
73		4158.51	NNW
75		4184.68	ESE
76		4415.48	NNW
77	W-685-04	4364.67	E
78	17267	4706.78	N
79		4591.99	ESE
81		4940.82	N
85		4815.74	NNW
87		4581.29	WNW
90		4769.88	NW
91		4713.63	WNW
92	AAH8642	4746.46	WNW
93	AAH8641	4782.60	WNW
94		5061.01	NNW
95		5238.68	NNW
96	AAH8643	4976.94	WNW
97	AAH8645	4990.14	W
98		5197.82	WNW
99	AAD6043	5133.94	WNW

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	WSW	0.07	374.30	119.78	PWSV

PWS ID:	FL3480224
PWS Type Code:	NTNCWS
PWS Type Description:	Non-Transient non-community system
Primary Source Code:	GW
Primary Source Desc:	Ground water
PWS Activity Code:	I
PWS Activity Description:	Inactive
PWS Deactivation Date:	09/24/2005
Zip Code:	32703
Phone No:	407-884-1077
Phone Ext No:	
Admin Name:	CHARLES GOMEZ
Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	40
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	02/10/1979
Gw or Sw:	Groundwater
Gw Sw Code:	GW
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Source Water Protection:	
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Lt2 Schedule Cat Code:	
Last Reported Date:	08/17/2023
Org Name:	
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	<=100
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Florida
Season Begin Date:	01-01

Season End Date:	12-31
Service Connections Count:	15
Submission Status Code:	Y
Submissionyearquarter:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin Date:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	APOPKA
County Served:	Orange

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	WNW	0.88	4,648.00	122.83	PWSV

PWS ID:	FL3481552
PWS Type Code:	CWS
PWS Type Description:	Community water system
Primary Source Code:	GW
Primary Source Desc:	Ground water
PWS Activity Code:	I
PWS Activity Description:	Inactive
PWS Deactivation Date:	05/28/1998
Zip Code:	32768
Phone No:	407-299-8475
Phone Ext No:	
Admin Name:	MORRISON SUBDIVISION
Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	143
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	01/29/1981
Gw or Sw:	Groundwater
Gw Sw Code:	GW
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Source Water Protection:	

Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Lt2 Schedule Cat Code:	
Last Reported Date:	08/17/2023
Org Name:	
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	101-500
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Florida
Season Begin Date:	
Season End Date:	
Service Connections Count:	41
Submission Status Code:	Y
Submissionyearquarter:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin Date:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	
County Served:	Orange

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	WSW	0.07	374.30	119.78	SDWIS

PWS ID:	FL3480224
PWS Type Code:	NTNCWS
PSW Type:	Non-Transient non-community system
Primary Source Code:	GW
Primary Source:	Ground water
Pws Activity Code:	I
Activity:	Inactive
PWS Deactivation Dt:	09/24/2005
Phone No:	407-884-1077
Phone Ext No:	
Admin Name:	CHARLES GOMEZ

Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	40
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	02/10/1979
Gw or Sw:	Groundwater
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Last Reported Date:	08/17/2023
Org Name:	
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	<=100
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Florida
Primacy Agency Code:	FL
Season Begin Date:	01-01
Season End Date:	12-31
Service Connections Count:	15
Submission Yr Qtr:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	APOPKA
County Served:	Orange

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	WNW	0.88	4,648.00	122.83	SDWIS

PWS ID: FL3481552

Wells and Additional Sources Detail Report

PWS Type Code:	CWS
PSW Type:	Community water system
Primary Source Code:	GW
Primary Source:	Ground water
Pws Activity Code:	I
Activity:	Inactive
PWS Deactivation Dt:	05/28/1998
Phone No:	407-299-8475
Phone Ext No:	
Admin Name:	MORRISON SUBDIVISION
Alt Phone No:	
Email Addr:	
Fax No:	
Cds ID:	
Population Served Count:	143
Epa Region Desc:	Region 4
Epa Region:	04
First Reported Date:	01/29/1981
Gw or Sw:	Groundwater
Is Grant Eligible Ind:	No
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Last Reported Date:	08/17/2023
Org Name:	
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	101-500
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Florida
Primacy Agency Code:	FL
Season Begin Date:	
Season End Date:	
Service Connections Count:	41
Submission Yr Qtr:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	

Wells and Additional Sources Detail Report

Source Protection Begin Date:
City Served:
County Served: Orange

Public Water Supply Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	ESE	0.27	1,401.15	89.77	PWSW

PWS Status:	ACTIVE	Well Name:	6"WELL 250'/340' 180GPM
PWS Name:	VALENCIA ESTATES MHP	Fluwid:	AAH6112
PWS City:	APOPKA	Well Status:	ACTIVE
PWS Zip5:	32703	WellHghtAbvElipsd:	29.64
PWS Type Code:	C	WellCoordDate:	2002-12-18 00:00:00 UTC
PWS Type:	COMMUNITY	Well Plant ID:	1
Well Lat Dd:	28	Well Year Drilled:	1973
Well Lat Mm:	41	Well Depth Drilled:	340
Well Lat Ss:	15.5299	WellAvilbltyUsage:	PERMANENT
Well Long Dd:	81	Object id:	6721
Well Long Mm:	32	Gis Well ID:	6721
Well Long Ss:	40.1902	Pws ID:	3481420
PWS Subpart H:	NO	Pws Primary Phone:	4078865776
PWS Operator:	GENERAL UTILITIES	Well Method:	DPHO
PWS Pop Served:	305	Well Datum:	84
PWSLastSanSurvey:	2022-11-16 00:00:00 UTC	Well ID:	1
PWS DesignCapacity:	259000	Point X:	-81.54449727777826
PWS PrmrySrvcArea:	MOBILE HOME PARK	Point Y:	28.68764719523918
Pws Cnp County ID:	48	Well Under:	NO
Pws Oc1 Office ID:	CD	Aquifer:	Floridan Aquifer
LctnsPwsLocationID:	75135		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	SSE	0.58	3,072.97	89.41	PWSW

PWS Status:	ACTIVE	Well Name:	CAMP WEWA WELL 2
PWS Name:	CAMP WEWA	Fluwid:	AAH7399
PWS City:	APOPKA	Well Status:	ACTIVE
PWS Zip5:	32703	WellHghtAbvElipsd:	23.85
PWS Type Code:	N	WellCoordDate:	2002-12-18 00:00:00 UTC
PWS Type:	NONCOMMUNITY	Well Plant ID:	1
Well Lat Dd:	28	Well Year Drilled:	1982
Well Lat Mm:	40	Well Depth Drilled:	140
Well Lat Ss:	50.481	WellAvilbltyUsage:	PERMANENT
Well Long Dd:	81	Object id:	6439
Well Long Mm:	32	Gis Well ID:	6439
Well Long Ss:	44.5202	Pws ID:	3480144

Wells and Additional Sources Detail Report

PWS Subpart H:	NO	Pws Primary Phone:	4077031808
PWS Operator:	TOM FELTON	Well Method:	DPHO
PWS Pop Served:	25	Well Datum:	83
PWSLastSanSurvey:	2022-06-07 00:00:00 UTC	Well ID:	1
PWS DesignCapacity:	43200	Point X:	-81.54570005555601
PWS PrmrySrvcArea:	MOBILE HOME PARK	Point Y:	28.680689166666603
Pws Cnp County ID:	48	Well Under:	NO
Pws Oc1 Office ID:	CD	Aquifer:	Floridan Aquifer
LctnsPwsLocationID:	52518		

Water Well Completions - St. Johns River Water Management District

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	11
Legacy No:	-	Contractor License:	-
Station ID:	292177	Contractor Name:	-
Compliance No:	1009447	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/31/1992	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814995		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	11
Legacy No:	-	Contractor License:	-
Station ID:	292175	Contractor Name:	-
Compliance No:	1009445	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/31/1992	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814993

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	11
Legacy No:	-	Contractor License:	-
Station ID:	292178	Contractor Name:	-
Compliance No:	1009448	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/30/1992	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814996		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	13
Legacy No:	-	Contractor License:	-
Station ID:	383186	Contractor Name:	-
Compliance No:	1100586	Driller Name:	-
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	20	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	04/28/1987	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	441 & Plymouth Sorrento Rd, Plymouth, FL 32768		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905966		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Wells and Additional Sources Detail Report

Permit:	-	Static Water Lvl Ft:	57
Legacy No:	-	Contractor License:	-
Station ID:	160928	Contractor Name:	-
Compliance No:	825807	Driller Name:	David A .Stewart,Jr.
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	84	Section:	6
Total Depth:	84	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	05/08/1998	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1532621		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	40
Legacy No:	-	Contractor License:	-
Station ID:	383178	Contractor Name:	-
Compliance No:	1100578	Driller Name:	?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	6
Total Depth:	155	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	01/02/1987	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905964		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	84676	Contractor Name:	-
Compliance No:	533134	Driller Name:	RUSS WILKIE?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	10	Section:	6

Wells and Additional Sources Detail Report

Total Depth:	25	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	07/23/2003	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1467351		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	90386	Contractor Name:	-
Compliance No:	541675	Driller Name:	GRADY CHRISTIAN?
Well Use:	Other	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	6
Total Depth:	0	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	06/07/2001	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	PLYMOUTH SORRENTO		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1469599		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	33
Legacy No:	-	Contractor License:	-
Station ID:	90322	Contractor Name:	-
Compliance No:	541611	Driller Name:	TIMOTHY MYERS
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	133	Section:	6
Total Depth:	160	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	05/04/2001	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	2800 W CRANGE AVE		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1474983

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	121.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	14
Legacy No:	-	Contractor License:	-
Station ID:	383187	Contractor Name:	-
Compliance No:	1100587	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	20	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	09/24/1987	Latitude:	284124.311184
Issue Date:	-	Longitude:	813300.993348
Well Street Address:	Us 441 & Sorrento Rd, Plymouth, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905967		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.02	96.34	120.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	424361	Contractor Name:	-
Compliance No:	1212025	Driller Name:	-
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	291	Section:	18
Total Depth:	600	Township:	24S
Diameter:	16	Range:	32E
Completion Date:	05/15/1991	Latitude:	284129.249412
Issue Date:	-	Longitude:	813301.84896
Well Street Address:	600 School St Cocoa FL		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_5692137		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	11
Legacy No:	-	Contractor License:	-

Wells and Additional Sources Detail Report

Station ID:	292180	Contractor Name:	-
Compliance No:	1009450	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/31/1992	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814998		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	10
Legacy No:	-	Contractor License:	-
Station ID:	325593	Contractor Name:	-
Compliance No:	1042899	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	01/01/1993	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1848655		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	11
Legacy No:	-	Contractor License:	-
Station ID:	325592	Contractor Name:	-
Compliance No:	1042898	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	45	Township:	21S
Diameter:	6	Range:	28E

Completion Date:	01/01/1993	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av, Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1848654		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	325594	Contractor Name:	-
Compliance No:	1042900	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	12	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	01/01/1993	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1848656		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	292179	Contractor Name:	-
Compliance No:	1009449	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/30/1992	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av, Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814997		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.12	625.15	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	292176	Contractor Name:	-
Compliance No:	1009446	Driller Name:	Charl Raffety?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	18	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	12/30/1992	Latitude:	284118.8997
Issue Date:	-	Longitude:	813312.132396
Well Street Address:	2657 Orange Av., Plymouth, FL 32703		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1814994		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.12	625.17	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	31
Legacy No:	-	Contractor License:	-
Station ID:	325597	Contractor Name:	-
Compliance No:	1042903	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	7
Total Depth:	61	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	07/21/1993	Latitude:	284118.983472
Issue Date:	-	Longitude:	813312.270564
Well Street Address:	Coca-cola Foods 2659 Orange Ave., Plymouth 32768		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1848658		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.12	625.17	117.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	14
Legacy No:	-	Contractor License:	-
Station ID:	325596	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	1042902	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	7
Total Depth:	21	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	07/21/1993	Latitude:	284118.983472
Issue Date:	-	Longitude:	813312.270564
Well Street Address:	Coca-cola Foods 2659 Orange Ave., Plymouth 32768		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1848657		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	ESE	0.08	404.44	99.91	WATER WELLS

Permit:	-	Static Water Lvl Ft:	21
Legacy No:	-	Contractor License:	-
Station ID:	383185	Contractor Name:	-
Compliance No:	1100585	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	6
Total Depth:	24	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	02/03/1987	Latitude:	284121.226632
Issue Date:	-	Longitude:	813249.468848
Well Street Address:	441 Boy Scout Rd, Plymouth, FL 32768		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905965		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SE	0.13	704.27	99.27	WATER WELLS

Permit:	-	Static Water Lvl Ft:	37
Legacy No:	-	Contractor License:	-
Station ID:	351677	Contractor Name:	-
Compliance No:	1069062	Driller Name:	-
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	7
Total Depth:	150	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	11/27/1991	Latitude:	284112.65712

Issue Date:	-	Longitude:	813253.21256
Well Street Address:	27 S. Binion Rd., Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1874801		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	W	0.18	951.22	120.05	WATER WELLS

Permit:	-	Static Water Lvl Ft:	72
Legacy No:	-	Contractor License:	-
Station ID:	205204	Contractor Name:	-
Compliance No:	870914	Driller Name:	Cory Ratchford?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	121	Section:	6
Total Depth:	336	Township:	22S
Diameter:	4	Range:	28E
Completion Date:	12/27/2006	Latitude:	284126.82762
Issue Date:	-	Longitude:	813325.988544
Well Street Address:	2900 W Orange Ave		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1584941		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NW	0.19	1,029.02	121.80	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	444759	Contractor Name:	-
Compliance No:	1256674	Driller Name:	Jared Link
Well Use:	Other	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	6
Total Depth:	0	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	04/14/14	Latitude:	284137.346856
Issue Date:	-	Longitude:	813321.89682
Well Street Address:	2793 W. Highland Ave Apopka		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_5950178		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NW	0.19	1,029.02	121.80	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	444760	Contractor Name:	-
Compliance No:	1256675	Driller Name:	Jared Link
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	10	Section:	6
Total Depth:	25	Township:	21S
Diameter:	1	Range:	28E
Completion Date:	04/14/14	Latitude:	284137.346856
Issue Date:	-	Longitude:	813321.89682
Well Street Address:	2793 W. Highland Ave Apopka		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_5950179		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	WNW	0.21	1,107.62	122.95	WATER WELLS

Permit:	-	Static Water Lvl Ft:	40
Legacy No:	-	Contractor License:	-
Station ID:	192595	Contractor Name:	-
Compliance No:	857999	Driller Name:	Looie Vanzant
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	118	Section:	19
Total Depth:	118	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	05/28/2002	Latitude:	284136.281292
Issue Date:	-	Longitude:	813323.900292
Well Street Address:	C. R. 437		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1567747		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	WNW	0.21	1,119.40	122.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	35
Legacy No:	-	Contractor License:	-
Station ID:	134293	Contractor Name:	-
Compliance No:	793143	Driller Name:	Allen Moose

Wells and Additional Sources Detail Report

Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	18
Total Depth:	143	Township:	20S
Diameter:	0	Range:	28E
Completion Date:	05/14/1997	Latitude:	284136.494304
Issue Date:	-	Longitude:	813323.8851
Well Street Address:	32904 Cr 437		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1513520		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383243	Contractor Name:	-
Compliance No:	1100643	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	167	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	09/10/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906023		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	49
Legacy No:	-	Contractor License:	-
Station ID:	383231	Contractor Name:	-
Compliance No:	1100631	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/20/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144

Well Street Address:	S.r. 437, Apopka, FL
Documents:	Well Completion Report
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906011

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	48
Legacy No:	-	Contractor License:	-
Station ID:	383226	Contractor Name:	-
Compliance No:	1100626	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/31/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906006		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	46
Legacy No:	-	Contractor License:	-
Station ID:	383240	Contractor Name:	-
Compliance No:	1100640	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	09/25/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383229	Contractor Name:	-
Compliance No:	1100629	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/18/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906009		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	58
Legacy No:	-	Contractor License:	-
Station ID:	383230	Contractor Name:	-
Compliance No:	1100630	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/14/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906010		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383242	Contractor Name:	-
Compliance No:	1100642	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL

Casing Depth:	0	Section:	19
Total Depth:	165	Township:	21S
Diameter:	8	Range:	28E
Completion Date:	09/09/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906022		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	47
Legacy No:	-	Contractor License:	-
Station ID:	383236	Contractor Name:	-
Compliance No:	1100636	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	09/22/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906016		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	49
Legacy No:	-	Contractor License:	-
Station ID:	383239	Contractor Name:	-
Compliance No:	1100639	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	09/19/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906019

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	50
Legacy No:	-	Contractor License:	-
Station ID:	383237	Contractor Name:	-
Compliance No:	1100637	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	09/24/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906017		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383228	Contractor Name:	-
Compliance No:	1100628	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/21/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906008		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Wells and Additional Sources Detail Report

Permit:	-	Static Water Lvl Ft:	48
Legacy No:	-	Contractor License:	-
Station ID:	383223	Contractor Name:	-
Compliance No:	1100623	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	30	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/28/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906003		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	50
Legacy No:	-	Contractor License:	-
Station ID:	383234	Contractor Name:	-
Compliance No:	1100634	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	09/15/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906014		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	50
Legacy No:	-	Contractor License:	-
Station ID:	383227	Contractor Name:	-
Compliance No:	1100627	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19

Wells and Additional Sources Detail Report

Total Depth:	78	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/23/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906007		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	133968	Contractor Name:	-
Compliance No:	792798	Driller Name:	Timothy Simmons
Well Use:	Other	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	126	Section:	6
Total Depth:	0	Township:	22S
Diameter:	4	Range:	28E
Completion Date:	11/13/1998	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	West Rd 437		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1507818		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383222	Contractor Name:	-
Compliance No:	1100622	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	165	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	08/20/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocN		

ame=EREG_1906002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	49
Legacy No:	-	Contractor License:	-
Station ID:	383235	Contractor Name:	-
Compliance No:	1100635	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	09/17/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906015		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383241	Contractor Name:	-
Compliance No:	1100641	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	157	Township:	21S
Diameter:	8	Range:	28E
Completion Date:	09/09/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr-437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906021		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	46
Legacy No:	-	Contractor License:	-

Wells and Additional Sources Detail Report

Station ID:	383221	Contractor Name:	-
Compliance No:	1100621	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	165	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	07/18/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	S.r. 437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906001		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	49
Legacy No:	-	Contractor License:	-
Station ID:	383225	Contractor Name:	-
Compliance No:	1100625	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	08/24/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906005		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WNW	0.34	1,782.36	121.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	48
Legacy No:	-	Contractor License:	-
Station ID:	383224	Contractor Name:	-
Compliance No:	1100624	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	19
Total Depth:	80	Township:	21S
Diameter:	2	Range:	28E

Completion Date:	08/26/1987	Latitude:	284138.579964
Issue Date:	-	Longitude:	813331.41144
Well Street Address:	Sr 437, Apopka, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1906004		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.45	2,349.86	121.39	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	359201	Contractor Name:	-
Compliance No:	1076593	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	0
Total Depth:	31	Township:	-
Diameter:	2	Range:	29E
Completion Date:	08/12/1993	Latitude:	284142.082728
Issue Date:	-	Longitude:	813336.400608
Well Street Address:	3100 W. Orange Blossom Trail, Orlando		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1882380		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	27
Legacy No:	-	Contractor License:	-
Station ID:	382809	Contractor Name:	-
Compliance No:	1100209	Driller Name:	?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	31
Total Depth:	140	Township:	20S
Diameter:	0	Range:	28E
Completion Date:	06/16/1986	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905595		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	36
Legacy No:	-	Contractor License:	-
Station ID:	90440	Contractor Name:	-
Compliance No:	541729	Driller Name:	ISACC GALLANT
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	31
Total Depth:	100	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	08/28/2001	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	1614 SCHORPE RD		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1470373		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	134493	Contractor Name:	-
Compliance No:	793374	Driller Name:	Durell Langford
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	31
Total Depth:	75	Township:	20S
Diameter:	0	Range:	28E
Completion Date:	09/13/1998	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1516181		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	70
Legacy No:	-	Contractor License:	-
Station ID:	129970	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	788560	Driller Name:	Durell Lamgford
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	78	Section:	31
Total Depth:	105	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	09/10/1998	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	Corner Shopie P S Rd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1500822		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	50
Legacy No:	-	Contractor License:	-
Station ID:	382807	Contractor Name:	-
Compliance No:	1100207	Driller Name:	?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	31
Total Depth:	135	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	11/05/1988	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	1416 Storway Ct Apopla		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905593		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	70
Legacy No:	-	Contractor License:	-
Station ID:	129965	Contractor Name:	-
Compliance No:	788555	Driller Name:	Durell Langford
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	78	Section:	31
Total Depth:	105	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	09/12/1998	Latitude:	284159.709048

Issue Date:	-	Longitude:	813303.075912
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1506665		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.56	2,953.08	63.90	WATER WELLS

Permit:	-	Static Water Lvl Ft:	50
Legacy No:	-	Contractor License:	-
Station ID:	359162	Contractor Name:	-
Compliance No:	1076554	Driller Name:	?
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	31
Total Depth:	110	Township:	20S
Diameter:	0	Range:	28E
Completion Date:	08/27/1991	Latitude:	284159.709048
Issue Date:	-	Longitude:	813303.075912
Well Street Address:	Shorke Rd., Plymouth		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1882346		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NNW	0.61	3,213.70	126.70	WATER WELLS

Permit:	-	Static Water Lvl Ft:	74
Legacy No:	-	Contractor License:	-
Station ID:	84595	Contractor Name:	-
Compliance No:	533054	Driller Name:	LARRY PUGH
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	6
Total Depth:	245	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	05/16/2003	Latitude:	284201.643256
Issue Date:	-	Longitude:	813324.308352
Well Street Address:	1119 PLYMOUTH SOMERSET RD		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1466214		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	S	0.79	4,174.11	73.74	WATER WELLS

Permit:	-	Static Water Lvl Ft:	39
Legacy No:	-	Contractor License:	-
Station ID:	309726	Contractor Name:	-
Compliance No:	1027028	Driller Name:	?
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	7
Total Depth:	125	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	04/30/1990	Latitude:	284039.250704
Issue Date:	-	Longitude:	813313.030128
Well Street Address:	Peterson Rd., Plymouth		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1832304		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	S	0.83	4,363.85	69.09	WATER WELLS

Permit:	-	Static Water Lvl Ft:	58
Legacy No:	-	Contractor License:	-
Station ID:	331188	Contractor Name:	-
Compliance No:	1048492	Driller Name:	?
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	7
Total Depth:	220	Township:	21S
Diameter:	4	Range:	28E
Completion Date:	03/31/1988	Latitude:	284035.695056
Issue Date:	-	Longitude:	813301.075176
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1854166		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	75
Legacy No:	-	Contractor License:	-
Station ID:	292251	Contractor Name:	-
Compliance No:	1009521	Driller Name:	Charlie Smithwick
Well Use:	Domestic	County:	Orange

Wells and Additional Sources Detail Report

Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	1
Total Depth:	173	Township:	21S
Diameter:	0	Range:	27E
Completion Date:	03/08/1992	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	3592 Fude Rd, Blymouth		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1815069		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	78
Legacy No:	-	Contractor License:	-
Station ID:	173264	Contractor Name:	-
Compliance No:	838324	Driller Name:	Dunell Langford
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	109	Section:	1
Total Depth:	160	Township:	21S
Diameter:	4	Range:	Orange
Completion Date:	10/19/2000	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	-		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1551738		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	57
Legacy No:	-	Contractor License:	-
Station ID:	383142	Contractor Name:	-
Compliance No:	1100542	Driller Name:	?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	1
Total Depth:	180	Township:	21S
Diameter:	0	Range:	27E
Completion Date:	10/01/1986	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	-		

Documents: Well Completion Report
Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905928

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	383143	Contractor Name:	-
Compliance No:	1100543	Driller Name:	?
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	1
Total Depth:	180	Township:	21S
Diameter:	0	Range:	27E
Completion Date:	12/04/1986	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	-		

Documents: Well Completion Report
Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905929

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	63
Legacy No:	-	Contractor License:	-
Station ID:	359641	Contractor Name:	-
Compliance No:	1077033	Driller Name:	?
Well Use:	Other	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	1
Total Depth:	215	Township:	21S
Diameter:	0	Range:	27E
Completion Date:	03/03/1986	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	-		

Documents: Well Completion Report
Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1882792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	W	0.76	4,023.03	117.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	78
Legacy No:	-	Contractor License:	-
Station ID:	173264	Contractor Name:	-
Compliance No:	838324	Driller Name:	Dunell Langford
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	109	Section:	1
Total Depth:	160	Township:	21S
Diameter:	4	Range:	27E
Completion Date:	10/19/2000	Latitude:	284127.313872
Issue Date:	-	Longitude:	813400.567372
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1544491		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	NNW	0.88	4,645.37	126.37	WATER WELLS

Permit:	-	Static Water Lvl Ft:	77
Legacy No:	-	Contractor License:	-
Station ID:	351676	Contractor Name:	-
Compliance No:	1069061	Driller Name:	-
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	6
Total Depth:	150	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	06/12/1991	Latitude:	284216.102548
Issue Date:	-	Longitude:	813325.649568
Well Street Address:	1430 Plymouth Sorrento R., Plymouth		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1874800		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	84403	Contractor Name:	-
Compliance No:	532862	Driller Name:	DAVID A. STEWART, JR.?
Well Use:	Other	County:	Orange
Type of Work:	-	Location State:	-

Casing Depth:	0	Section:	5
Total Depth:	0	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	07/24/2003	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	N. US HWY. 441		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1462038		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	1
Legacy No:	-	Contractor License:	-
Station ID:	160664	Contractor Name:	-
Compliance No:	825543	Driller Name:	?
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	5
Total Depth:	112	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	10/28/1998	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1561625		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	65
Legacy No:	-	Contractor License:	-
Station ID:	160684	Contractor Name:	-
Compliance No:	825563	Driller Name:	?
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	5
Total Depth:	160	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	04/24/1998	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	Bentonite		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1535939

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	10
Legacy No:	-	Contractor License:	-
Station ID:	351629	Contractor Name:	-
Compliance No:	1069014	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	5
Total Depth:	15	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	04/08/1991	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	1300 E South St #1, Orlando, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1874752		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	78
Legacy No:	-	Contractor License:	-
Station ID:	351679	Contractor Name:	-
Compliance No:	1069064	Driller Name:	-
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	5
Total Depth:	155	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	04/05/1991	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	1516 Mink Dr., Apopka		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1874804		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	60
Legacy No:	-	Contractor License:	-
Station ID:	383177	Contractor Name:	-
Compliance No:	1100577	Driller Name:	-
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	5
Total Depth:	150	Township:	21S
Diameter:	10	Range:	28E
Completion Date:	08/12/1988	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905963		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	40
Legacy No:	-	Contractor License:	-
Station ID:	383176	Contractor Name:	-
Compliance No:	1100576	Driller Name:	-
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	5
Total Depth:	200	Township:	21S
Diameter:	0	Range:	28E
Completion Date:	09/05/1986	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	Clarcona Ococ Rd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1905962		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	E	0.87	4,568.62	68.42	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	351628	Contractor Name:	-
Compliance No:	1069013	Driller Name:	?
Well Use:	Monitoring	County:	Orange
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	5

Total Depth:	10	Township:	21S
Diameter:	2	Range:	28E
Completion Date:	04/08/1991	Latitude:	284128.231368
Issue Date:	-	Longitude:	813201.364676
Well Street Address:	Pine Hill Rd & Northline, Orlando, FL		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1874751		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	N	0.95	5,029.31	96.48	WATER WELLS

Permit:	-	Static Water Lvl Ft:	46
Legacy No:	-	Contractor License:	-
Station ID:	134490	Contractor Name:	-
Compliance No:	793371	Driller Name:	Frederick S Weber
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	31
Total Depth:	63	Township:	20S
Diameter:	0	Range:	28E
Completion Date:	05/30/1999	Latitude:	284220.53872
Issue Date:	-	Longitude:	813301.674468
Well Street Address:	1604 Schopke Rd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1511740		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	N	0.95	5,029.31	96.48	WATER WELLS

Permit:	-	Static Water Lvl Ft:	44
Legacy No:	-	Contractor License:	-
Station ID:	192612	Contractor Name:	-
Compliance No:	858016	Driller Name:	Timothy Myers
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	63	Section:	31
Total Depth:	63	Township:	20S
Diameter:	4	Range:	28E
Completion Date:	06/25/2002	Latitude:	284220.53872
Issue Date:	-	Longitude:	813301.674468
Well Street Address:	1610 Schopke Rd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1565894

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	NW	0.87	4,600.88	124.03	WATER WELLS

Permit:	-	Static Water Lvl Ft:	40
Legacy No:	-	Contractor License:	-
Station ID:	172742	Contractor Name:	-
Compliance No:	837802	Driller Name:	Charlie Christian
Well Use:	Domestic	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	36
Total Depth:	145	Township:	20S
Diameter:	4	Range:	27E
Completion Date:	10/05/2000	Latitude:	284158.458552
Issue Date:	-	Longitude:	813354.09054
Well Street Address:	1074 Monk Ave		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1542465		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	WNW	0.88	4,633.17	116.89	WATER WELLS

Permit:	-	Static Water Lvl Ft:	98
Legacy No:	-	Contractor License:	-
Station ID:	234872	Contractor Name:	-
Compliance No:	903459	Driller Name:	David A. Stewart Jr.
Well Use:	-	County:	Orange
Type of Work:	-	Location State:	-
Casing Depth:	116	Section:	36
Total Depth:	250	Township:	20S
Diameter:	4	Range:	27E
Completion Date:	10/19/2007	Latitude:	284150.008524
Issue Date:	-	Longitude:	813401.051284
Well Street Address:	Hermit Smith Rd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1610876		

Water Well Construction Permits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	WNW	0.40	2,125.42	120.42	WELL CONST PERM

Wells and Additional Sources Detail Report

Permit No:	129659-1	County Name:	Orange
Permit Type:	Water Well Construction	Parcel ID:	N/A
Permit Status:	Active	Section ID:	1
Cur Permit Iss Dt:	1/11/2012	Township ID:	21S
Latitude:	284140	Range ID:	27E
Longitude:	813335		
Project Description:	This is an abandonment application for a 10-inch well in a proposed roadway right of way.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	ESE	0.62	3,267.42	108.54	WELL CONST PERM

Permit No:	113944-1	County Name:	Orange
Permit Type:	Water Well Construction	Parcel ID:	NULL
Permit Status:	Active	Section ID:	5
Cur Permit Iss Dt:	11/7/2007	Township ID:	21S
Latitude:	284108	Range ID:	28E
Longitude:	813221		
Project Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	ESE	0.75	3,975.31	107.59	WELL CONST PERM

Permit No:	90467-1	County Name:	Orange
Permit Type:	Water Well Construction	Parcel ID:	NULL
Permit Status:	Active	Section ID:	5
Cur Permit Iss Dt:	9/12/2003	Township ID:	21S
Latitude:	284103	Range ID:	28E
Longitude:	813215		
Project Description:	Abandonment		

Water Well Construction Permits - Southwest Florida Water Management District

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	S	0.83	4,360.59	69.09	WATER WELLS

Site ID:	131113	Section ID:	7
Well Constr Permit:	394592	Range ID:	28
WCP Status:	6	SPFWE:	800342.33698217
Well No:	1	SPFWN:	1578968.85686368
License No:	1249	GIS Update:	25-May-2005
Permit Issued:	29-Jan-1970	Last Update:	13-Jan-2007
Data Collect Site:	NO	Township I:	21
Water Use Permit:	NO	UTM Easting:	446227.581
Well Drill:	CABLE TOOL	UTM Northing:	3172279.662

Wells and Additional Sources Detail Report

Well Depth:	458.0	Point X:	-81.5503695945719
Well Casing:	6.0	Point Y:	28.6765927829777
Casing to:	308.0	Latitude:	28 40 35.73
Static Water:	12.0	Longitude:	81 33 01.33
Contractor:	WIGGINS BROTHERS		
Site Name:	394592 - 1		
Owner Name:	Precoder Inc		
WCP Sites:	https://www38.swfwmd.state.fl.us/Support/WCP/WcpDetail.aspx?permit=394592		
Well Use:			
Well Located:			
Well Located 1:	ZELLWOOD FRAN ROAD		
Well Located 2:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	N	0.96	5,048.30	96.16	WATER WELLS

Site ID:	131633	Section ID:	31
Well Constr Permit:	395112	Range ID:	28
WCP Status:	6	SPFWE:	800190.84844
Well No:	1	SPFWN:	1589587.8766361
License No:	1490	GIS Update:	25-May-2005
Permit Issued:	23-Mar-1970	Last Update:	13-Jan-2007
Data Collect Site:	NO	Township I:	20
Water Use Permit:	NO	UTM Easting:	446208.536
Well Drill:	NOT ENTERED	UTM Northing:	3175515.553
Well Depth:		Point X:	-81.5507173483814
Well Casing:	3.0	Point Y:	28.7057990263257
Casing to:		Latitude:	28 42 20.88
Static Water:		Longitude:	81 33 02.58
Contractor:	WILLIAM B GRIFFITH WELL DRILLING		
Site Name:	395112 - 1		
Owner Name:	Brigmond, Lonnie		
WCP Sites:	https://www38.swfwmd.state.fl.us/Support/WCP/WcpDetail.aspx?permit=395112		
Well Use:			
Well Located:			
Well Located 1:	GENERAL DELIVERY		
Well Located 2:			

Well Surveillance Program Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.00	20.18	119.91	WATER WELLS

FLUW ID:	AAB3402	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480149301	Project ID:	SUPER
Other ID:		Loc ID:	463222

Wells and Additional Sources Detail Report

Req No:		GPS ID:	463222
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	42	Name:	PAWS-PAWS REPTILE BARN
Well Type:	Limited Use PWS	First Name:	DON
Well Depth:	0	Last Name:	DANIELS
Potable Status:	POTABLE	Phone:	407-886-9800
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	40.57
Diameter:	2	Longitude:	-81.549743
Sanitary Seal:	Yes	Latitude:	28.690605
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	4/28/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	JAVON	Software:	Well_Solo_v2
Insp L Name:	MORITZ	Streetside:	No
Insp CHD:	ORANGE		
Well Type De:			
Address:	2428 N ORANGE BLOSSOM TRIAL HWY		
City:	APOPKA		
Comment:	current GPS by Lynn Lukacs		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	ENE	0.08	441.38	109.30	WATER WELLS

FLUW ID:	480074901	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	ANDREW
Other ID:		Loc ID:	462366
Req No:		GPS ID:	462366
Status:	RETAGGED	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.548404
Sanitary Seal:		Latitude:	28.691846
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	ADDR
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	

Insp L Name:	Streetside:
Insp CHD:	
Well Type De:	
Address:	2373 OLD DIXIE HWY
City:	APOPKA
Comment:	retagged as AAL7139(duplicate tags problem), then as AAM2213

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	ENE	0.09	495.49	107.25	WATER WELLS

FLUW ID:	480028501	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480028501	Project ID:	ANDREW
Other ID:		Loc ID:	461470
Req No:		GPS ID:	461470
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.548208
Sanitary Seal:		Latitude:	28.691946
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	PO BOX 875		
City:	PLYMOUTH		
Comment:	CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER. This site is now using AAM2213 at 2373 Old Dixie Hwy.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NE	0.11	573.90	106.50	WATER WELLS

FLUW ID:	480001001	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480001001	Project ID:	ANDREW
Other ID:		Loc ID:	460912
Req No:		GPS ID:	460912

Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.548208
Sanitary Seal:		Latitude:	28.692173
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	PO BOX 875		
City:	PLYMOUTH		
Comment:	CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NE	0.13	703.47	106.63	WATER WELLS

FLUW ID:	480031201	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480031201	Project ID:	ANDREW
Other ID:		Loc ID:	461532
Req No:		GPS ID:	461532
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.548467
Sanitary Seal:		Latitude:	28.692623
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	

Insp CHD:
Well Type De:
Address: PO BOX 106
City: PLYMOUTH
Comment: CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER.

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.02	92.29	121.37	WATER WELLS

FLUW ID: AAG2565
Permit No: 3480224
WSRP ID:
Other ID:
Req No:
Status: ACTIVE
Well Type Code: 41
Well Type: Non-Community PWS
Well Depth:
Potable Status: POTABLE
Action:
Casing Material: Other
Length:
Diameter: 8
Sanitary Seal: Yes
Agency:
Large PWS: YES
PWS Design: 1188000
PWS Verify: 0
Insp F Name:
Insp L Name:
Insp CHD:
Well Type De:
Address: 2659 ORANGE AVE
City: APOPKA
Comment:

Property ID:
Parcel ID:
Project ID: SUPER
Loc ID: 319194
GPS ID: 319194
Resident Type:
Name: COCOA COLA FOODS
First Name:
Last Name:
Phone:
Phone Ext:
County: ORANGE
Height Abv Ellipsoid: 41.5
Longitude: -81.554467
Latitude: 28.690922
Datum: WS1984
GPS Date: 5/24/2002 8:20:00
Loc Method Code: DGPS
Loc Method: Differentially Corrected GPS
Software:
Streetside:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NE	0.14	762.91	106.82	WATER WELLS

FLUW ID: AAL9921
Permit No:
WSRP ID: 350734201
Other ID:
Req No: RE26183
Status: ACTIVE
Well Type Code: 43

Property ID:
Parcel ID: 06-21-28-7184-00-100
Project ID: TOX-NITRATE
Loc ID: 961422
GPS ID: 961422
Resident Type: OWNER
Name:

Wells and Additional Sources Detail Report

Well Type:	Private	First Name:	ROBERT
Well Depth:	0	Last Name:	DWYER
Potable Status:	POTABLE	Phone:	407-880-8419
Action:	UNFILTERED	Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	32.03
Diameter:	4	Longitude:	-81.548522
Sanitary Seal:	Yes	Latitude:	28.692811
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/15/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	2405 OLD DIXIE HWY		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NE	0.14	749.77	104.94	WATER WELLS

FLUW ID:	AAM2213	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480074901	Project ID:	SUPER
Other ID:		Loc ID:	972516
Req No:		GPS ID:	972516
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	EMILIO
Well Depth:	0	Last Name:	HERRERA
Potable Status:	POTABLE	Phone:	321-624-6695
Action:	UNFILTERED	Phone Ext:	
Casing Material:	GALVANIZED	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	29.26
Diameter:	4	Longitude:	-81.54819
Sanitary Seal:	Yes	Latitude:	28.692677
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	4/21/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	JAVON	Software:	Well_Solo_v2
Insp L Name:	MORITZ	Streetside:	No
Insp CHD:	ORANGE		
Well Type De:			

Wells and Additional Sources Detail Report

Address: 2373 OLD DIXIE HWY
City: APOPKA
Comment: GPS by inspector Lynn Lukacs

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ENE	0.13	672.31	102.43	WATER WELLS

FLUW ID:	480004401	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480004401	Project ID:	ANDREW
Other ID:		Loc ID:	460982
Req No:		GPS ID:	460982
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.547544
Sanitary Seal:		Latitude:	28.692266
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	BOX 446		
City:	PLYMOUTH		
Comment:	CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	W	0.05	238.32	120.96	WATER WELLS

FLUW ID:	AAG2564	Property ID:	
Permit No:	3480224	Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	319192
Req No:		GPS ID:	319192
Status:	ACTIVE	Resident Type:	
Well Type Code:	41	Name:	COCOA COLA FOODS
Well Type:	Non-Community PWS	First Name:	
Well Depth:		Last Name:	

Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Other	County:	ORANGE
Length:		Height Abv Ellipsoid:	42.35
Diameter:	8	Longitude:	-81.554965
Sanitary Seal:	Yes	Latitude:	28.690868
Agency:		Datum:	WS1984
Large PWS:	YES	GPS Date:	5/24/2002 8:17:00
PWS Design:	1188000	Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	2659 ORANGE AVE		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNW	0.10	518.19	118.29	WATER WELLS

FLUW ID:	AAN2410	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	993984
Req No:	50274	GPS ID:	993984
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	407-948-3801
Action:		Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	39.31
Diameter:	4	Longitude:	-81.553178
Sanitary Seal:	Yes	Latitude:	28.693526
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	11/28/2009 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	GINGER	Software:	Well_Solo_v2
Insp L Name:	HANCOCK	Streetside:	No
Insp CHD:	VOLUSIA		
Well Type De:			
Address:	2624 HIGHLAND AVE		
City:	APOPKA		

Wells and Additional Sources Detail Report

Comment:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NE	0.19	1,023.90	101.01	WATER WELLS

FLUW ID:	AAL9925	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-048
WSRP ID:	350733301	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961434
Req No:	RE26183	GPS ID:	961434
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	GRACE
Well Depth:	0	Last Name:	STEWART
Potable Status:	POTABLE	Phone:	407-886-5947
Action:	UNFILTERED	Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	40.46
Diameter:	4	Longitude:	-81.548295
Sanitary Seal:	Yes	Latitude:	28.693501
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/14/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	2354 HIGHLAND AVE		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NNE	0.22	1,173.22	100.27	WATER WELLS

FLUW ID:	AAH4970	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-034
WSRP ID:	350475501	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	455354
Req No:	RE26183	GPS ID:	455354
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	MAUDE
Well Depth:	0	Last Name:	MANGUM
Potable Status:	POTABLE	Phone:	407-230-7681
Action:	UNFILTERED	Phone Ext:	

Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	34.57
Diameter:	4	Longitude:	-81.548382
Sanitary Seal:	Yes	Latitude:	28.693955
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	5/14/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	2335 W HIGHLAND AVE		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NE	0.22	1,160.67	96.46	WATER WELLS

FLUW ID:	AAH9470	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480363501	Project ID:	TOX-HSET
Other ID:		Loc ID:	817018
Req No:		GPS ID:	817018
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	CECIL
Well Depth:	0	Last Name:	PIPKINS
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	PVC	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	54.19
Diameter:	2	Longitude:	-81.548091
Sanitary Seal:	Yes	Latitude:	28.693838
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	1/18/2011 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MARK	Software:	Well_Solo_v2
Insp L Name:	SPRINGER	Streetside:	Yes
Insp CHD:	ORANGE		
Well Type De:			
Address:	2335 HIGHLAND AVE		
City:	APOPKA		
Comment:	HQ REGPS REQUEST		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NE	0.21	1,117.75	94.52	WATER WELLS

FLUW ID:	AAG2705	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480361601	Project ID:	ANDREW
Other ID:		Loc ID:	467838
Req No:		GPS ID:	467838
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.547317
Sanitary Seal:		Latitude:	28.69349
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	716 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NE	0.20	1,045.97	95.47	WATER WELLS

FLUW ID:	AAG3057	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480315501	Project ID:	ANDREW
Other ID:		Loc ID:	466922
Req No:		GPS ID:	466922
Status:	ACTIVE	Resident Type:	
Well Type Code:	50	Name:	
Well Type:	Irrigation	First Name:	
Well Depth:		Last Name:	
Potable Status:	NON-POTABLE	Phone:	
Action:	CONNECTED TO PWS	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	

Diameter:	4	Longitude:	-81.546663
Sanitary Seal:		Latitude:	28.693082
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	703 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:	connected to CW		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NE	0.24	1,245.22	92.17	WATER WELLS

FLUW ID:	AAL9926	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-036
WSRP ID:	350733901	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961430
Req No:	RE26183	GPS ID:	961430
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	KATHERINE
Well Depth:	0	Last Name:	GARIEPY
Potable Status:	POTABLE	Phone:	Unlisted
Action:	UNFILTERED	Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	34.71
Diameter:	4	Longitude:	-81.547469
Sanitary Seal:	Yes	Latitude:	28.693903
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/15/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	2339 W HIGHLAND AVE		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NE	0.22	1,150.52	93.55	WATER WELLS

FLUW ID:	AAG2706	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480361501	Project ID:	ANDREW
Other ID:		Loc ID:	467836
Req No:		GPS ID:	467836
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.546727
Sanitary Seal:		Latitude:	28.693413
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	715 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NE	0.27	1,432.16	88.02	WATER WELLS

FLUW ID:	AAL9927	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-037
WSRP ID:	350734001	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961428
Req No:	RE26183	GPS ID:	961428
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	DEBRA
Well Depth:	0	Last Name:	GREGG
Potable Status:	POTABLE	Phone:	407-886-2980
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	33.57
Diameter:	2	Longitude:	-81.547783
Sanitary Seal:	Yes	Latitude:	28.694535

Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/15/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	794 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NE	0.23	1,224.40	90.08	WATER WELLS

FLUW ID:	AAH9469	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480363601	Project ID:	TOX-HSET
Other ID:		Loc ID:	817020
Req No:		GPS ID:	817020
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	RUTH
Well Depth:	0	Last Name:	WRIGHT
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	PVC	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	28.6
Diameter:	2	Longitude:	-81.546462
Sanitary Seal:	Yes	Latitude:	28.69354
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	1/18/2011 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MARK	Software:	Well_Solo_v2
Insp L Name:	SPRINGER	Streetside:	No
Insp CHD:	ORANGE		
Well Type De:			
Address:	723 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:	HQ REGPS RESHOOT		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NE	0.27	1,420.89	89.95	WATER WELLS

FLUW ID:	AAL9923	Property ID:	

Wells and Additional Sources Detail Report

Permit No:		Parcel ID:	06-21-28-0000-00-040
WSRP ID:	350733101	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961438
Req No:	RE26183	GPS ID:	961438
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	DEBORAH
Well Depth:	0	Last Name:	BROKAW
Potable Status:	POTABLE	Phone:	407-889-3148
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	28.87
Diameter:	2	Longitude:	-81.547159
Sanitary Seal:	No	Latitude:	28.694322
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/14/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	782 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NE	0.28	1,458.58	89.24	WATER WELLS

FLUW ID:	AAL9938	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-035
WSRP ID:	350734101	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961426
Req No:	RE26183	GPS ID:	961426
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	DEBRA
Well Depth:	0	Last Name:	GREGG
Potable Status:	POTABLE	Phone:	407-886-2980
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	22.94
Diameter:	2	Longitude:	-81.547342
Sanitary Seal:	Yes	Latitude:	28.694484
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/15/2008 0:00:00

PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	790 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.27	1,416.97	89.73	WATER WELLS

FLUW ID:	AAL9924	Property ID:	
Permit No:		Parcel ID:	06-21-28-0000-00-002
WSRP ID:	350733201	Project ID:	TOX-NITRATE
Other ID:		Loc ID:	961436
Req No:	RE26183	GPS ID:	961436
Status:	ACTIVE	Resident Type:	OPERATOR
Well Type Code:	42	Name:	PLYMOUTH CHURCH OF GOD
Well Type:	Limited Use PWS	First Name:	LOUIS
Well Depth:	0	Last Name:	LEMLEY
Potable Status:	POTABLE	Phone:	407-886-3780
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	33.26
Diameter:	2	Longitude:	-81.547053
Sanitary Seal:	Yes	Latitude:	28.69428
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/14/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	No
Insp CHD:	LAKE		
Well Type De:			
Address:	2323 W HIGHLAND AVE		
City:	APOPKA		
Comment:	Also 2331 Highland Ave		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NE	0.30	1,569.63	84.70	WATER WELLS

FLUW ID:	AAL9922	Property ID:	
Permit No:		Parcel ID:	06-21-28-7172-14-092
WSRP ID:		Project ID:	TOX-NITRATE

Other ID:		Loc ID:	961424
Req No:	RE26183	GPS ID:	961424
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	CHUL WON
Well Depth:	0	Last Name:	LEE
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	29.46
Diameter:	2	Longitude:	-81.547482
Sanitary Seal:	Yes	Latitude:	28.694846
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	5/15/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	MICHAEL	Software:	Well_Solo_v2
Insp L Name:	CATES	Streetside:	Yes
Insp CHD:	LAKE		
Well Type De:			
Address:	800 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	NE	0.34	1,773.16	82.68	WATER WELLS

FLUW ID:	AAG5346	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480324001	Project ID:	SUPER
Other ID:		Loc ID:	467092
Req No:		GPS ID:	467092
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	REBEKAH
Well Depth:	0	Last Name:	WOLFORD
Potable Status:	POTABLE	Phone:	407-814-8675
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	22.48
Diameter:	4	Longitude:	-81.546893
Sanitary Seal:	Yes	Latitude:	28.695265
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	4/17/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS

Insp F Name:	JAVON	Software:	Well_Solo_v2
Insp L Name:	MORITZ	Streetside:	No
Insp CHD:	ORANGE		
Well Type De:			
Address:	818 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:	inpector Lynn Lukacs took GPS 4/17/08		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	NNE	0.36	1,890.48	81.48	WATER WELLS

FLUW ID:	480030001	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480030001	Project ID:	ANDREW
Other ID:		Loc ID:	461500
Req No:		GPS ID:	461500
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.547209
Sanitary Seal:		Latitude:	28.695696
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	PO BOX 458		
City:	PLYMOUTH		
Comment:	CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NW	0.25	1,322.27	118.45	WATER WELLS

FLUW ID:	AAN2407	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	993982
Req No:	50274	GPS ID:	993982

Wells and Additional Sources Detail Report

Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Kelly
Well Depth:	0	Last Name:	Butcher
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	45.85
Diameter:	4	Longitude:	-81.556401
Sanitary Seal:	Yes	Latitude:	28.694634
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	11/28/2009 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	GINGER	Software:	Well_Solo_v2
Insp L Name:	HANCOCK	Streetside:	No
Insp CHD:	VOLUSIA		
Well Type De:			
Address:	761 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNE	0.38	1,986.31	80.74	WATER WELLS

FLUW ID:	AAE5096	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480271701	Project ID:	SUPER
Other ID:		Loc ID:	466056
Req No:		GPS ID:	466056
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	PHUONG
Well Depth:	0	Last Name:	CHAU
Potable Status:	POTABLE	Phone:	407-408-9255
Action:	UNFILTERED	Phone Ext:	
Casing Material:	CAST IRON	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	44.39
Diameter:	2	Longitude:	-81.547114
Sanitary Seal:	Yes	Latitude:	28.695946
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	4/17/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	JAVON	Software:	Well_Solo_v2
Insp L Name:	MORITZ	Streetside:	No

Insp CHD:	ORANGE
Well Type De:	
Address:	888 SCHOPKE LESTER RD
City:	APOPKA
Comment:	inspector Lynn Lukacs took GPS

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	ESE	0.30	1,604.69	94.69	WATER WELLS

FLUW ID:	AAI9656	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480366801	Project ID:	ANDREW
Other ID:		Loc ID:	467942
Req No:		GPS ID:	467942
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.544313
Sanitary Seal:		Latitude:	28.686813
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	301 LAKE ANNIE DR		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	ESE	0.32	1,684.34	99.66	WATER WELLS

FLUW ID:	AAH6112	Property ID:	
Permit No:	3481420	Parcel ID:	
WSRP ID:	480416601	Project ID:	DEP
Other ID:		Loc ID:	151866
Req No:		GPS ID:	151866
Status:	ACTIVE	Resident Type:	
Well Type Code:	40	Name:	VALENCIA ESTATES MHP

Wells and Additional Sources Detail Report

Well Type:	Large (>150,000 gpd) Community PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	0
Diameter:		Longitude:	-81.544496
Sanitary Seal:		Latitude:	28.687646
Agency:		Datum:	WS1984
Large PWS:	YES	GPS Date:	12/18/2002 0:00:00
PWS Design:	259000	Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	547 DRAGE DR		
City:	APOPKA		
Comment:	DATUM 84		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NE	0.40	2,109.94	70.57	WATER WELLS

FLUW ID:	480039901	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480039901	Project ID:	ANDREW
Other ID:		Loc ID:	461686
Req No:		GPS ID:	461686
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.545416
Sanitary Seal:		Latitude:	28.695795
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			

Address:	PO BOX 302
City:	APOPKA
Comment:	CHD UNABLE TO LOCATE. NO RESPONSE TO LETTER.

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NNE	0.44	2,347.99	80.20	WATER WELLS

FLUW ID:	AAE5097	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480271801	Project ID:	ANDREW
Other ID:		Loc ID:	466058
Req No:		GPS ID:	466058
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.546944
Sanitary Seal:		Latitude:	28.696944
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	904 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ESE	0.41	2,160.43	104.58	WATER WELLS

FLUW ID:	AAB3403	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480149401	Project ID:	ANDREW
Other ID:		Loc ID:	463224
Req No:		GPS ID:	463224
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	

Wells and Additional Sources Detail Report

Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.541492
Sanitary Seal:		Latitude:	28.688696
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1664 W ORANGE BLOSSOM TRL		
City:	APOPKA		
Comment:	TOWNSHIP RANGE SECTION: T20S,		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NW	0.41	2,160.92	121.29	WATER WELLS

FLUW ID:	AAD6033	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480220101	Project ID:	ANDREW
Other ID:		Loc ID:	465026
Req No:		GPS ID:	465026
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557222
Sanitary Seal:		Latitude:	28.697028
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	926 PLYMOUTH SORRENTO RD		
City:	PLYMOUTH		

Wells and Additional Sources Detail Report

Comment:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	E	0.44	2,317.40	105.56	WATER WELLS

FLUW ID:	AAB0310	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	282676
Req No:		GPS ID:	282676
Status:	ACTIVE	Resident Type:	
Well Type Code:	42	Name:	DUNN CITRUS
Well Type:	Limited Use PWS	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Other	County:	ORANGE
Length:		Height Abv Ellipsoid:	5.06
Diameter:	4	Longitude:	-81.54098
Sanitary Seal:	Yes	Latitude:	28.688712
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	1/26/2000 7:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1667 W ORANGE BLOSSOM TRL		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NW	0.45	2,368.98	122.18	WATER WELLS

FLUW ID:	AAD6032	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480220001	Project ID:	ANDREW
Other ID:		Loc ID:	465024
Req No:		GPS ID:	465024
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	

Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	6	Longitude:	-81.557194
Sanitary Seal:		Latitude:	28.697722
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	952 PLYMOUTH SORRENTO RD		
City:	PLYMOUTH		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	ESE	0.49	2,566.39	106.28	WATER WELLS

FLUW ID:	AAB0311	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	282678
Req No:		GPS ID:	282678
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	DUNN
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Other	County:	ORANGE
Length:		Height Abv Ellipsoid:	9.12
Diameter:	4	Longitude:	-81.540818
Sanitary Seal:	Yes	Latitude:	28.686999
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	1/26/2000 7:12:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1664 W ORANGE BLOSSOM TRL		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NNW	0.54	2,832.98	124.32	WATER WELLS

FLUW ID:	480064701	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480064701	Project ID:	ANDREW
Other ID:		Loc ID:	462164
Req No:		GPS ID:	462164
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.556692
Sanitary Seal:		Latitude:	28.699358
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1333 PLYMOUTH		
City:	SORRENTO		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	SSE	0.59	3,091.07	89.92	WATER WELLS

FLUW ID:	AAH7399	Property ID:	
Permit No:	3480144	Parcel ID:	
WSRP ID:		Project ID:	DEP
Other ID:		Loc ID:	153828
Req No:		GPS ID:	153828
Status:	ACTIVE	Resident Type:	
Well Type Code:	41	Name:	CAMP WEWA
Well Type:	Non-Community PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	0

Diameter:		Longitude:	-81.545698
Sanitary Seal:		Latitude:	28.680637
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	12/18/2002 0:00:00
PWS Design:	1	Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	221 S BINION RD		
City:	APOPKA		
Comment:	DATUM 84		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NW	0.58	3,047.18	126.19	WATER WELLS

FLUW ID:	480064601	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480064601	Project ID:	ANDREW
Other ID:		Loc ID:	462162
Req No:		GPS ID:	462162
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.558225
Sanitary Seal:		Latitude:	28.699352
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1374 PLYMOUTH		
City:	SORRENTO		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	NNW	0.59	3,126.33	126.41	WATER WELLS

FLUW ID:	AAH8708	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480358601	Project ID:	ANDREW
Other ID:		Loc ID:	467780
Req No:		GPS ID:	467780
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.556635
Sanitary Seal:		Latitude:	28.700238
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1119 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	NW	0.59	3,112.32	126.41	WATER WELLS

FLUW ID:	AAM1807	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480431801	Project ID:	TOX-HSET
Other ID:		Loc ID:	985968
Req No:		GPS ID:	985968
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	ANTOINETTE
Well Depth:	0	Last Name:	VALENSON
Potable Status:	POTABLE	Phone:	407-616-6541
Action:	UNFILTERED	Phone Ext:	
Casing Material:	BLACK STEEL	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	41.01
Diameter:	4	Longitude:	-81.559226
Sanitary Seal:	Yes	Latitude:	28.698982

Wells and Additional Sources Detail Report

Agency:	DOH	Datum:	
Large PWS:		GPS Date:	6/4/2009 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	GINGER	Software:	Well_Solo_v2
Insp L Name:	HANCOCK	Streetside:	No
Insp CHD:	VOLUSIA		
Well Type De:			
Address:	1010 T L SMITH RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	E	0.63	3,314.35	109.11	WATER WELLS

FLUW ID:	480075301	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480075301	Project ID:	ANDREW
Other ID:		Loc ID:	462372
Req No:		GPS ID:	462372
Status:	ACTIVE	Resident Type:	
Well Type Code:	50	Name:	
Well Type:	Irrigation	First Name:	
Well Depth:	213	Last Name:	
Potable Status:	NON-POTABLE	Phone:	
Action:	CONNECTED TO PWS	Phone Ext:	
Casing Material:		County:	ORANGE
Length:	63	Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.53768
Sanitary Seal:		Latitude:	28.68931
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	ADDR
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1711 OLD DIXIE RD		
City:	APOPKA		
Comment:	8 HOUSES ON ONE WELL.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	NE	0.76	4,013.04	79.22	WATER WELLS

FLUW ID:	480000901	Property ID:	

Wells and Additional Sources Detail Report

Permit No:		Parcel ID:	
WSRP ID:	480000901	Project ID:	ANDREW
Other ID:		Loc ID:	460902
Req No:		GPS ID:	460902
Status:	ACTIVE	Resident Type:	
Well Type Code:	40	Name:	
Well Type:	Large (>150,000 gpd) Community PWS	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	NO ACTION AT THIS TIME	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.542364
Sanitary Seal:		Latitude:	28.700319
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	PO BOX 1229		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NNW	0.74	3,903.90	145.74	WATER WELLS

FLUW ID:	AAC6565	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480170901	Project ID:	ANDREW
Other ID:		Loc ID:	464064
Req No:		GPS ID:	464064
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557514
Sanitary Seal:		Latitude:	28.702233
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	

PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3065 YOTHERS RD		
City:	APOPKA		
Comment:	(6)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NNW	0.74	3,903.90	145.74	WATER WELLS

FLUW ID:	AAC6564	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480170801	Project ID:	ANDREW
Other ID:		Loc ID:	464062
Req No:		GPS ID:	464062
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557514
Sanitary Seal:		Latitude:	28.702233
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1567 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:	(5) INSIDE THE HOUSE		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	N	0.81	4,277.80	79.30	WATER WELLS

FLUW ID:	AAG2869	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480297401	Project ID:	ANDREW

Other ID:		Loc ID:	466560
Req No:		GPS ID:	466560
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.550556
Sanitary Seal:		Latitude:	28.703611
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1600 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:	COMPT 01-644		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	NNW	0.77	4,060.04	145.59	WATER WELLS

FLUW ID:	AAC6562	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480170701	Project ID:	ANDREW
Other ID:		Loc ID:	464060
Req No:		GPS ID:	464060
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.558075
Sanitary Seal:		Latitude:	28.702506
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS

Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1276 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:	(3)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	WNW	0.74	3,932.67	119.66	WATER WELLS

FLUW ID:	AAH7378	Property ID:	
Permit No:	3484200	Parcel ID:	
WSRP ID:		Project ID:	DEP
Other ID:		Loc ID:	153786
Req No:		GPS ID:	153786
Status:	ACTIVE	Resident Type:	
Well Type Code:	41	Name:	99 FOOD MART
Well Type:	Non-Community PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	0
Diameter:		Longitude:	-81.564289
Sanitary Seal:		Latitude:	28.697362
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	12/20/2002 0:00:00
PWS Design:	10800	Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	US HWY 441		
City:	PLYMOUTH		
Comment:	DATUM 84		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	ESE	0.78	4,113.78	114.92	WATER WELLS

FLUW ID:	480027001	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480027001	Project ID:	ANDREW
Other ID:		Loc ID:	461442
Req No:		GPS ID:	461442

Wells and Additional Sources Detail Report

Status:	ACTIVE	Resident Type:	
Well Type Code:	50	Name:	
Well Type:	Irrigation	First Name:	
Well Depth:		Last Name:	
Potable Status:	NON-POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.535764
Sanitary Seal:		Latitude:	28.686808
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1437 W OB TRAIL		
City:	APOPKA		
Comment:	CONNECTED TO CITY WATER.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	NNW	0.79	4,158.51	142.79	WATER WELLS

FLUW ID:	AAE5173	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480279101	Project ID:	ANDREW
Other ID:		Loc ID:	466202
Req No:		GPS ID:	466202
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557222
Sanitary Seal:		Latitude:	28.703056
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	

Insp CHD:
Well Type De:
Address: 1316 PLYMOUTH SORRENTO RD
City: APOPKA
Comment:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	ESE	0.79	4,184.68	116.24	WATER WELLS

FLUW ID:	480051601	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480051601	Project ID:	ANDREW
Other ID:		Loc ID:	461916
Req No:		GPS ID:	461916
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.53539
Sanitary Seal:		Latitude:	28.68726
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	MMAP
PWS Verify:	0	Loc Method:	
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1424 W ORANGE BLOSSOM TRL		
City:	APOPKA		
Comment:	SAME AS AAB0312.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	NNW	0.84	4,415.48	130.49	WATER WELLS

FLUW ID:	AAD6041	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480220901	Project ID:	ANDREW
Other ID:		Loc ID:	465042
Req No:		GPS ID:	465042
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	

Wells and Additional Sources Detail Report

Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557972
Sanitary Seal:		Latitude:	28.703583
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1336 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	E	0.83	4,364.67	95.20	WATER WELLS

FLUW ID:	AAI7419	Property ID:	
Permit No:	W-685-04	Parcel ID:	
WSRP ID:	350550001	Project ID:	ANDREW
Other ID:		Loc ID:	570930
Req No:		GPS ID:	570930
Status:	RETAGGED	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:	100	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	LAKE
Length:	63	Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.534398
Sanitary Seal:		Latitude:	28.689185
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			

Wells and Additional Sources Detail Report

Address: 31314 DEAL DR
City: SORRENTO
Comment: NO PERMISSION TO SAMPLE. RETAGGED AS AAH3949

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	N	0.89	4,706.78	79.16	WATER WELLS

FLUW ID:	AAG2824	Property ID:	
Permit No:	17267	Parcel ID:	
WSRP ID:	480293401	Project ID:	ANDREW
Other ID:		Loc ID:	466482
Req No:		GPS ID:	466482
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.551944
Sanitary Seal:		Latitude:	28.705
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1614 SCHOPKE LESTER RD		
City:	APOPKA		
Comment:	+BACT		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ESE	0.87	4,591.99	108.97	WATER WELLS

FLUW ID:	AAB0312	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	282680
Req No:		GPS ID:	282680
Status:	ACTIVE	Resident Type:	
Well Type Code:	42	Name:	VET
Well Type:	Limited Use PWS	First Name:	
Well Depth:		Last Name:	

Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Other	County:	ORANGE
Length:		Height Abv Ellipsoid:	16.12
Diameter:	4	Longitude:	-81.535019
Sanitary Seal:	Yes	Latitude:	28.684784
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	1/26/2000 7:22:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1424 W ORANGE BLOSSOM TRL		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	N	0.94	4,940.82	93.63	WATER WELLS

FLUW ID:	AAG2868	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480297301	Project ID:	ANDREW
Other ID:		Loc ID:	466558
Req No:		GPS ID:	466558
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.551111
Sanitary Seal:		Latitude:	28.705556
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1610 SCHOPKE LESTER RD		
City:	APOPKA		

Wells and Additional Sources Detail Report

Comment:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	NNW	0.91	4,815.74	116.22	WATER WELLS

FLUW ID:	AAC8223	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480176601	Project ID:	ANDREW
Other ID:		Loc ID:	464176
Req No:		GPS ID:	464176
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.555833
Sanitary Seal:		Latitude:	28.705194
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1417 PLAYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	WNW	0.87	4,581.29	110.79	WATER WELLS

FLUW ID:	AAM1972	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	972294
Req No:	46706	GPS ID:	972294
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	42	Name:	ST. JAMES A.M.E. CHURCH
Well Type:	Limited Use PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	

Casing Material:	GALVANIZED	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	40.86
Diameter:	2	Longitude:	-81.567743
Sanitary Seal:	Yes	Latitude:	28.695331
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	10/9/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	GINGER	Software:	Well_Solo_v2
Insp L Name:	HANCOCK	Streetside:	No
Insp CHD:	VOLUSIA		
Well Type De:			
Address:	910 HEMIT SMITH RD		
City:	APOPKA		
Comment:	Well is probably a SDWA well - food serv		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	NW	0.90	4,769.88	125.46	WATER WELLS

FLUW ID:	AAF5858	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480287201	Project ID:	ANDREW
Other ID:		Loc ID:	466360
Req No:		GPS ID:	466360
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.565556
Sanitary Seal:		Latitude:	28.699722
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3418 DEW BERRY AVE		
City:	PLYMOUTH		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	WNW	0.89	4,713.63	114.61	WATER WELLS

FLUW ID:	AAM1973	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	972296
Req No:	46706	GPS ID:	972296
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	42	Name:	SHILOH MISSIONARY BAPTIST CHURCH
Well Type:	Limited Use PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	GALVANIZED	County:	ORANGE
Length:	0	Height Abv Ellipsoid:	48.04
Diameter:	2	Longitude:	-81.568162
Sanitary Seal:	Yes	Latitude:	28.695378
Agency:	DOH	Datum:	
Large PWS:		GPS Date:	10/9/2008 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:		Loc Method:	Differentially Corrected GPS
Insp F Name:	GINGER	Software:	Well_Solo_v2
Insp L Name:	HANCOCK	Streetside:	No
Insp CHD:	VOLUSIA		
Well Type De:			
Address:	3615 HOGSHEAD RD		
City:	APOPKA		
Comment:	May be SDWA well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WNW	0.90	4,746.46	118.25	WATER WELLS

FLUW ID:	AAH8642	Property ID:	
Permit No:	AAH8642	Parcel ID:	
WSRP ID:	480421001	Project ID:	SUPER
Other ID:		Loc ID:	327318
Req No:		GPS ID:	327318
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	IRMA FRANKS
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	Galvanized	County:	ORANGE
Length:		Height Abv Ellipsoid:	30.25

Diameter:	2	Longitude:	-81.568615
Sanitary Seal:	Yes	Latitude:	28.694369
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	9/29/2003 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3600 HOGSHEAD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	WNW	0.91	4,782.60	117.80	WATER WELLS

FLUW ID:	AAH8641	Property ID:	
Permit No:	AAH8641	Parcel ID:	
WSRP ID:	480420901	Project ID:	SUPER
Other ID:		Loc ID:	327316
Req No:		GPS ID:	327316
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	IRMA FRANKS
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	Black Steel	County:	ORANGE
Length:		Height Abv Ellipsoid:	33.71
Diameter:	4	Longitude:	-81.568618
Sanitary Seal:	Yes	Latitude:	28.694738
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	9/29/2003 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3629 HOGSHEAD RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	NNW	0.96	5,061.01	127.99	WATER WELLS

FLUW ID:	AAC8222	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480176501	Project ID:	ANDREW
Other ID:		Loc ID:	464174
Req No:		GPS ID:	464174
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.557667
Sanitary Seal:		Latitude:	28.705528
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1430 PLAYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	NNW	0.99	5,238.68	127.77	WATER WELLS

FLUW ID:	AAC6563	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480170201	Project ID:	ANDREW
Other ID:		Loc ID:	464050
Req No:		GPS ID:	464050
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	NO ACTION AT THIS TIME	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.556275
Sanitary Seal:		Latitude:	28.706308

Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1507 PLYMOUTH SORRENTO RD		
City:	APOPKA		
Comment:	(4)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	WNW	0.94	4,976.94	120.54	WATER WELLS

FLUW ID:	AAH8643	Property ID:	
Permit No:	AAH8643	Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	327320
Req No:		GPS ID:	327320
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	FRANKS
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Black Steel	County:	ORANGE
Length:		Height Abv Ellipsoid:	50.53
Diameter:	4	Longitude:	-81.569443
Sanitary Seal:	Yes	Latitude:	28.69404
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	9/29/2003 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3646 HOGSHEAD RD		
City:	APOPKA		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	W	0.95	4,990.14	119.18	WATER WELLS

FLUW ID:	AAH8645	Property ID:	

Wells and Additional Sources Detail Report

Permit No:	AAH8645	Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	327324
Req No:		GPS ID:	327324
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	RAYMOND HOGSHEAD
Well Type:	Private	First Name:	
Well Depth:	375	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Other	County:	ORANGE
Length:	100	Height Abv Ellipsoid:	38.17
Diameter:	6	Longitude:	-81.569757
Sanitary Seal:	Yes	Latitude:	28.692557
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	9/29/2003 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	650 HERMIT SMITH RD		
City:	APOPKA		
Comment:	PROPERTY VACANT AND FOR SALE 10/2008		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	WNW	0.98	5,197.82	126.10	WATER WELLS

FLUW ID:	AAF5859	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	480287301	Project ID:	ANDREW
Other ID:		Loc ID:	466362
Req No:		GPS ID:	466362
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ORANGE
Length:		Height Abv Ellipsoid:	
Diameter:	2	Longitude:	-81.567222
Sanitary Seal:		Latitude:	28.699722
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	

Wells and Additional Sources Detail Report

PWS Design:		Loc Method Code:	AGPS
PWS Verify:	0	Loc Method:	Autonomously Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	1124 HERMIT SMITH RD		
City:	PLYMOUTH		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	WNW	0.97	5,133.94	120.87	WATER WELLS

FLUW ID:	AAD6043	Property ID:	
Permit No:	AAD6043	Parcel ID:	
WSRP ID:	480221101	Project ID:	ANDREW
Other ID:		Loc ID:	295722
Req No:		GPS ID:	295722
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	LESTER BROWN
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	Black Steel	County:	ORANGE
Length:		Height Abv Ellipsoid:	56.85
Diameter:	4	Longitude:	-81.569703
Sanitary Seal:	Yes	Latitude:	28.694907
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	9/29/2003 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	3675 HOGSHEAD DR		
City:	PLYMOUTH		
Comment:			

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *ORANGE* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *ORANGE* County

No Measures/Homes:	157
Arithmetic Mean:	0.5
Standard Deviation:	0.7
Maximum:	4.6
% >4 pCi/L:	1.9*
% >8 pCi/L:	-
% >12 pCi/L:	-
Notes on Data Table:	TABLE 2. Indoor radon results from the Florida population-based radon survey, by county.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Florida Subsidence Incident Reports — **SINKHOLES**

A list of Florida Subsidence Incidents made available by the Florida Department of Environmental Protection (DEP) and maintained by the Florida Geological Survey. Sinkholes are closed depressions in areas underlain by soluble rock such as limestone, dolostone, and in some states gypsum and salt. Other subterranean events can cause holes, depressions, or subsidence of the land surface that may mimic sinkhole activity. Commonly, a reported depression is not verified by a licensed professional geologist to be a true sinkhole, and the cause of subsidence is not known. Such an event is called a subsidence incident.

Oil and Gas Wells — **OGW**

The Oil and Gas Program is the permitting authority within the Florida Department of Environmental Protection's Mining and Minerals Regulation Program. Companies interested in exploration or production of hydrocarbons in Florida are regulated by the Oil and Gas Program. This data is made available by Florida Department of Environmental Protection's Oil and Gas program.

Public Water Supply Wells — **PWSW**

The Public Water Supply Wells (PWSW) data consist of public water supply facilities and their wells in Florida, excluding Federally owned facilities. This data is made available by Florida Department of Environmental Protection, Water Compliance Assurance Program.

Underground Injection Control Wells — **UIC**

Class I Underground Injection Control (UIC) wells that are currently or were previously active, as well as proposed sites, regulated by the Florida Department of Environmental Protection (FDEP). Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water.

Water Use Permits Sites - South Florida Water Management District — **WELLS**

List of Water Use Permitting Facilities consisting of wells, pumps and culverts, made available by the South Florida Water Management District. The facilities represent a subset of all wells, pumps and culverts associated with Water Use Permits. A Water Use Permit is required for all water uses except single family and duplex use and fire fighting.

Water Well Completions - Northwest Florida Water Management District — **WATER WELLS**

A list of existing well permits provided by the Northwest Florida Water Management District, representing records for wells permitted for construction/repair/abandonment beginning in the year 1976; does not typically contain data on wells constructed prior to 1976. The data provided may therefore only represent a fraction of existing wells. The data are provided by water well contractors on completion reports and, in most cases, has not been verified by District staff.

Water Well Completions - St. Johns River Water Management District — **WATER WELLS**

A list of wells in the Water Well Completion Report database made available by the St. Johns River Water Management District (SJRWMD). The SJRWMD advises that data reported in the Water Well Completion Report are obtained from multiple sources, including SJRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SJRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Water Well Completions - Suwanee River Water Management District — **WELLS**

A list of wells in the Water Well Completion Report database made available by the Suwanee River Water Management District department (SRWMD). The SRWMD advises that data reported in the Water Well Completion Report are obtained from multiple sources, including SRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Water Well Construction Permits — **WELL CONST PERM**

Appendix

A list of water well construction permits issued by the St. Johns River Water Management District (SJRWMD).

Water Well Construction Permits - Southwest Florida Water Management District **WATER WELLS**

A list of permitted well construction sites within the Southwest Florida Water District (SWFWD) maintained by the Southwest Florida Water Management District (SWFWMD). A Well Construction Permit (WCP) is required prior to installation of a water well within the SWFWD. The WCP ensures that wells are constructed by qualified contractors and meet rigid safety and durability standards. This list includes historical well construction sites that may not have a recorded latitude and longitude for their location. Instead, address matching, quarter STR centroids, STR centroids, or county centroids, were used as the location. WCPs for wells under 4" were strictly enforced after 1990, meaning many domestic wells built before may be excluded from this dataset.

Water Wells - Suwanee River Water Management District **WATER WELLS**

A list of water wells made available by the Suwanee River Water Management District department (SRWMD). The SRWMD advises that data are obtained from multiple sources including SRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Well Surveillance Program Water Wells **WATER WELLS**

A list of privately and publicly owned potable wells from the Florida Department of Health's (DOH) Well Surveillance Program.

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HISTORICAL AERIALS

Project Property: Mandich Apopka
2560 West Orange Blossom Trail
Apopka FL 32712

Project No: 25-115 / 25-115

Requested By: Colella & Associates, Inc.

Order No: 25042200017

Date Completed: April 24,2025

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Date	Source	Scale	Comments
2023	Maxar Technologies	1" = 500'	
2021	United States Department of Agriculture	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2007	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1999	United States Geological Survey	1" = 500'	
1995	United States Geological Survey	1" = 500'	
1990	United States Geological Survey	1" = 500'	
1987	Florida Department of Transportation	1" = 500'	
1978	Florida Department of Transportation	1" = 500'	
1973	Florida Department of Transportation	1" = 500'	
1969	Florida Department of Transportation	1" = 500'	
1954	Agricultural Stabilization & Conserv. Service	1" = 500'	
1947	Agricultural Stabilization & Conserv. Service	1" = 500'	



Year: 2023
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

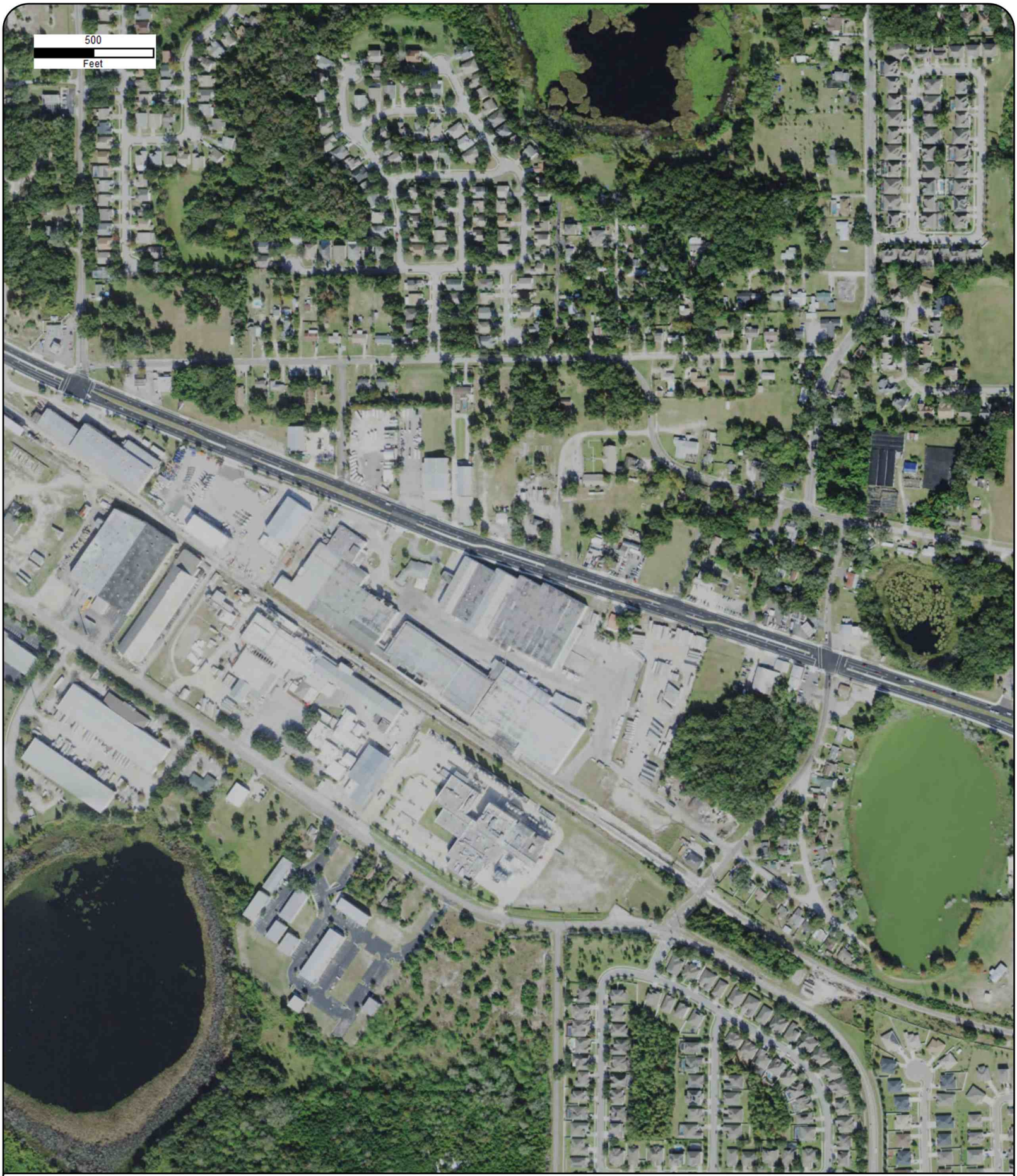
Order No: 25042200017



Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

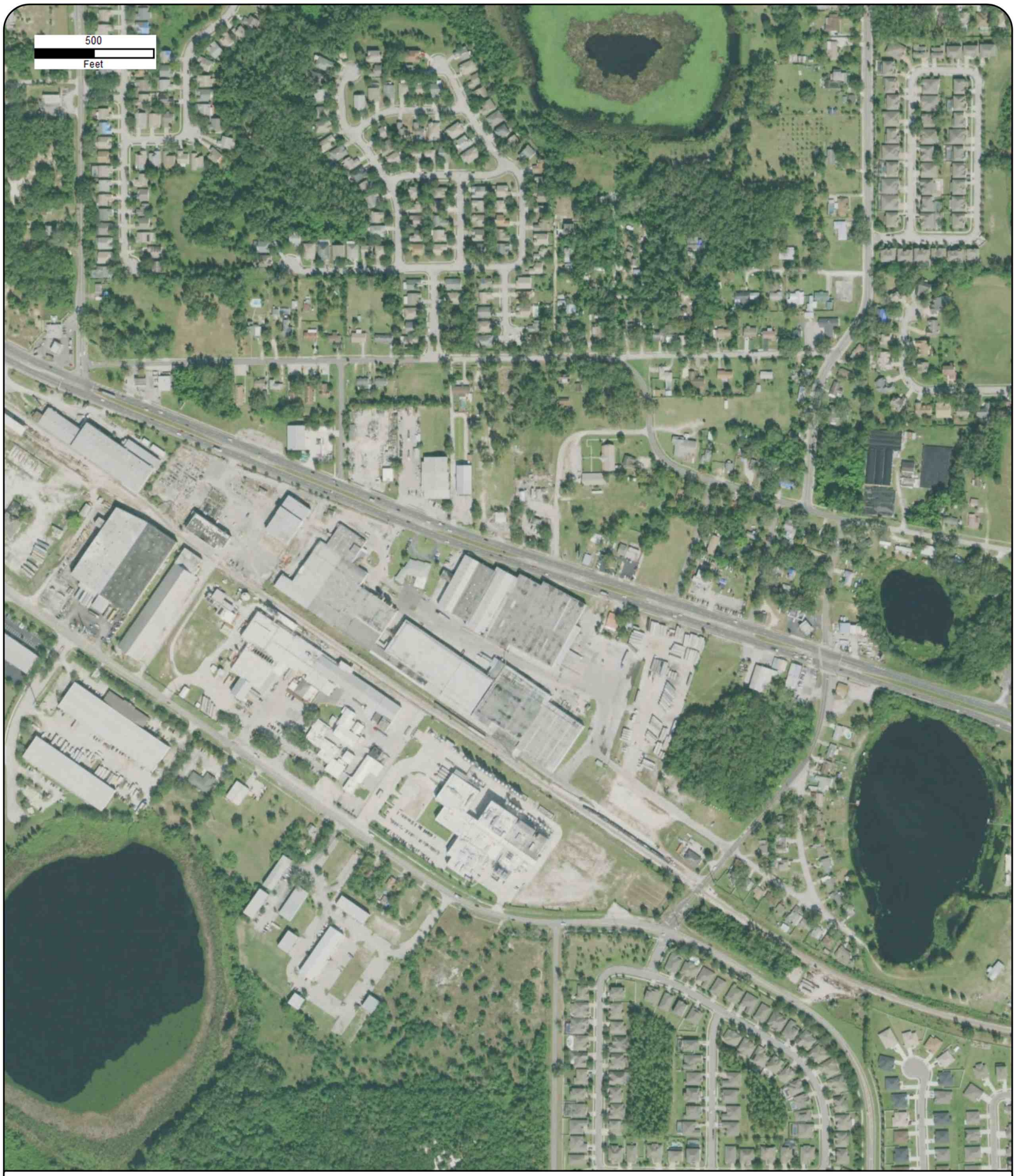
Order No: 25042200017



Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

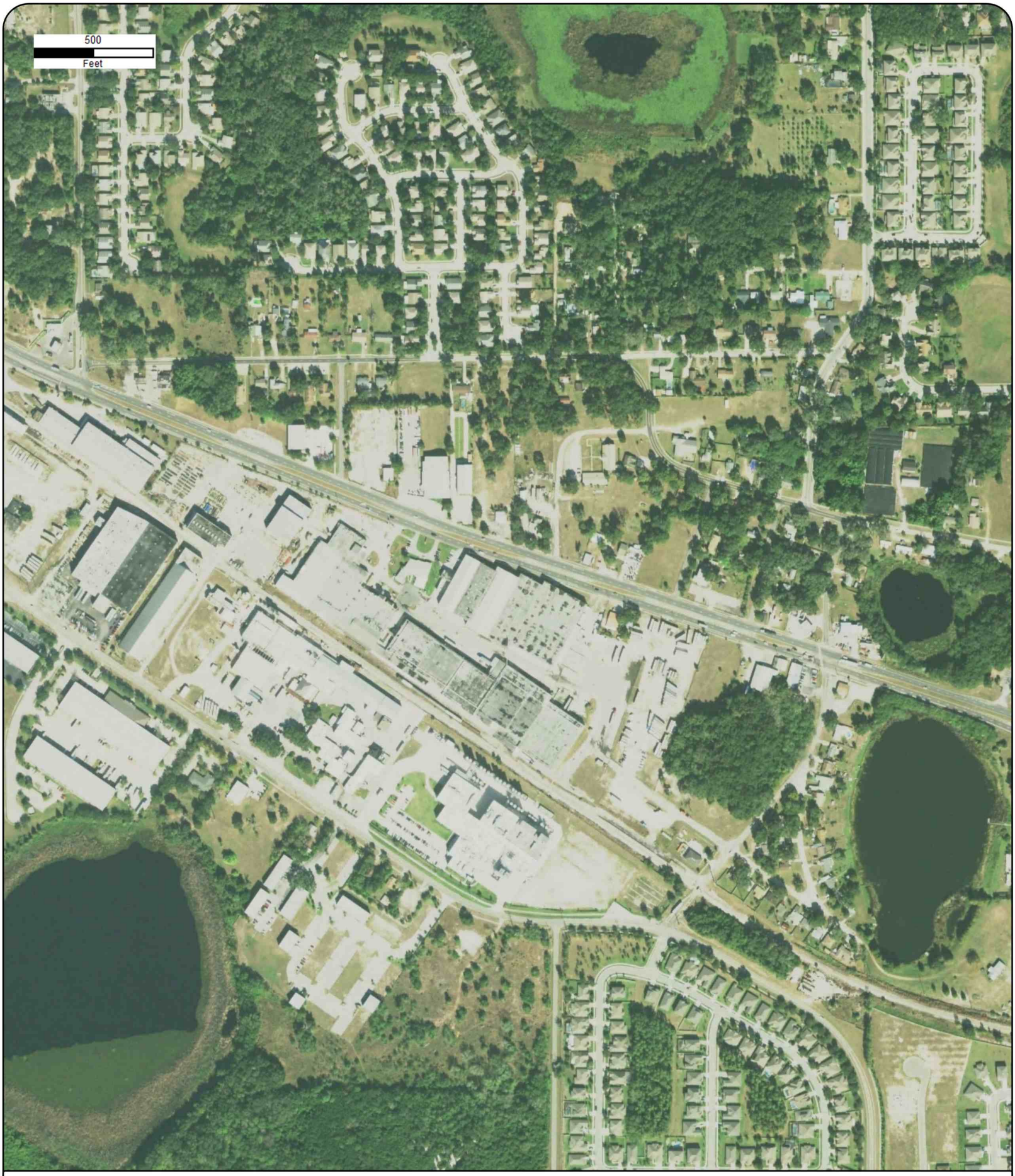
Order No: 25042200017



Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017

ERIS



Year: 2007
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1999
Source: USGS
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1995
Source: USGS
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

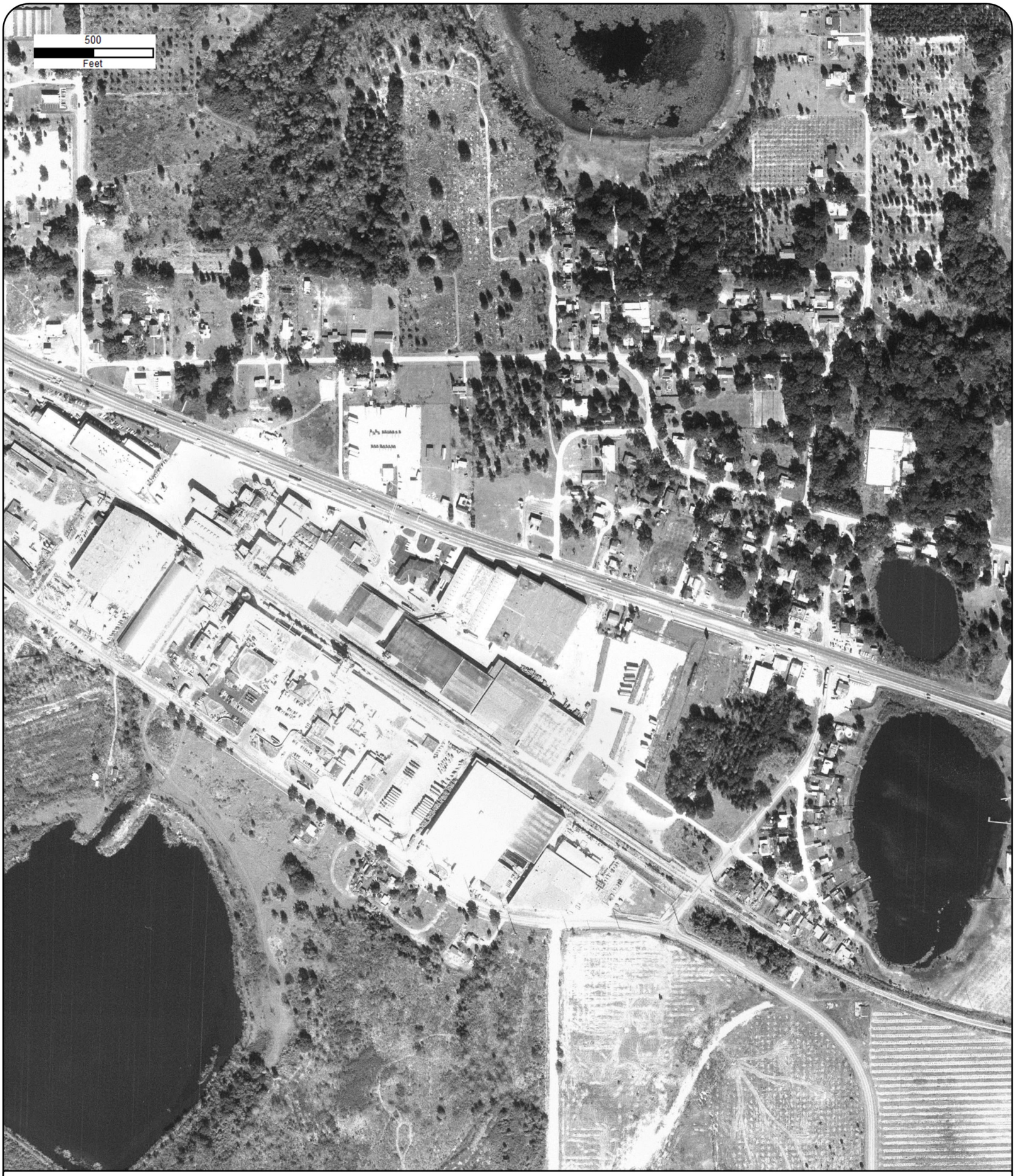
Order No: 25042200017



Year: 1990
Source: USGS
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1987
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1978
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1973
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1969
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017

ERIS



Year: 1954
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017



Year: 1947
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 2560 West Orange Blossom Trail, Apopka, FL
Approx Center: -81.55094452,28.69035853

Order No: 25042200017

ERIS

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CITY DIRECTORY

Project Property:	*Mandich Apopka* *2560 West Orange Blossom Trail* *Apopka,FL 32712*
Project No:	*25-115 / 25-115*
Requested By:	*Colella & Associates, Inc.*
Order No:	*25042200017*
Date Completed:	*April 29, 2025*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

April 29, 2025
RE: CITY DIRECTORY RESEARCH
2560 West Orange Blossom Trail
Apopka,FL 32712

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
All of Lake View Dr
All of Mayflower Ave
All of Shepard Ave
2500-3000 of W Orange Ave
2120-2630 of W Orange Blossom Trl
Search Notes:
W Orange Blossom Trl is also known as 2120-2630 NW Hwy 441 in Apopka.

Search Results Summary

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996	CITY PUBLISHING CO	
1990	CITY PUBLISHING CO	
1985	POLKS	
1980	POLKS	
1976	POLKS	
1972	POLKS	
1969	POLKS	

2023 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

441 **TINA GILLIAM**...*RESIDENTIAL*
3607 **DONALD HALL**...*RESIDENTIAL*
3607 **PETER HALL**...*RESIDENTIAL*
3610 **KATHRYN NICHOLS**...*RESIDENTIAL*
3610 **RANDALL NICHOLS**...*RESIDENTIAL*
3611 **DEBRA CANNON**...*RESIDENTIAL*
3614 **DEBORAH BROSSEAU**...*RESIDENTIAL*
3614 **DEBORAH SOBIK**...*RESIDENTIAL*
3615 **CYNTHIA SHAFFER**...*RESIDENTIAL*
3618 **ALEXIS RAMSEY**...*RESIDENTIAL*
3622 **ANA SOLER**...*RESIDENTIAL*
3623 **KATIE THOMASTON**...*RESIDENTIAL*
3623 **MATTHEW THOMASTON**...*RESIDENTIAL*
3625 **ELIZABETH BURKHART**...*RESIDENTIAL*
3635 **DONNA KRUMWIEDE**...*RESIDENTIAL*
3635 **NINA GLOVER**...*RESIDENTIAL*
3643 **BRAD LINAWEAVER**...*RESIDENTIAL*
3646 **SUSAN KIELTY**...*RESIDENTIAL*

2023 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2208 **BRADLEY DUNN**...*RESIDENTIAL*
2258 **MARK FRY**...*RESIDENTIAL*
2300 **STATESIDE SERVICE**...*AIR CONDITIONING CONTRACTORS & SYSTEMS*

2023 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2023 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2501 **COCA COLA SPECIAL PRODS**...*BOTTLERS (MFRS)*
2659 **SIMPLY ORANGE JUICE CO**...*JUICES-MANUFACTURERS*
2659 **WERNER ENTERPRISES**...*UNCLASSIFIED ESTABLISHMENTS*
2659 **WERNER ENTERPRISES INC**...*TRUCKING*
2725 **DECO BUSINESS**...*POTTERY*
2725 **DECO BUSINESS**...*CRAFT SUPPLIES*
2800 **TOP QUALITY PARTIALS**...*FEDERAL GOVERNMENT CONTRACTORS*
2800 **TOP QUALITY PARTIALS**...*CONSTRUCTION COMPANIES*
2823 **HALLOWELL**...*FEDERAL GOVERNMENT CONTRACTORS*
2823 **HALLOWELL**...*LOCKERS*
2823 **LIST INDUSTRIES**...*MANUFACTURERS*
2840 **DIVERSIFIED WINDOW SOLUTIONS**...*WINDOWS*
2840 **DIVERSIFIED WINDOW SOLUTIONS**...*GLASS PRODUCTS (MFRS)*
2840 **DIVERSIFIED WINDOW SOLUTIONS**...*FEDERAL GOVERNMENT CONTRACTORS*
2840 **DIVERSIFIED WINDOW SOLUTIONS**...*CONSTRUCTION COMPANIES*
2840 **ENTERTAINMENT RETAIL ENT**...*OTHER PERFORMING ARTS COMPANIES*
2900 **ACCUAIR HOLDINGS INC**...*HOLDING COMPANIES (NON-BANK)*
2900 **ATEX DISTRIBUTI NG INC**...*NONCLASSIFIED ESTABLISHMENTS*
2900 **ATEX DISTRIBUTING INC**...*AIR CONDITIONING EQUIPMENT-MANUFACTURERS*
2900 **ATEX DISTRIBUTING INC**...*HEATING CONTRACTORS*
2900 **ATEX DISTRIBUTING INC**...*WARM AIR HEATING & A/C EQUIP & SUPLS MRCHNT WHLSRS*
2900 **MILITARY TIRES**...*TIRE-DEALERS-RETAIL*
2900 **RGI MARKETING GROUP**...*MARKETING CONSULTANTS*
2900 **VOLTAIRE SYSTEMS LLC**...*HEAT EXCHANGERS-MANUFACTURERS*
2994 **BESTWAY REFRIGERATED SVC INC**...*TRUCKING-MOTOR FREIGHT*
2994 **BESTWAY REFRIGERATED SVC INC**...*FEDERAL GOVERNMENT CONTRACTORS*
2994 **BESTWAY REFRIGERATED SVC INC**...*TRUCKING-REFRIGERATED*
2994 **BESTWAY REFRIGERATED SVC INC**...*TRUCKINGHEAVY HAULING*
2994 **BESTWAY REFRIGERATED SVC INC**...*CONSTRUCTION COMPANIES*
2994 **BESTWAY REFRIGERATED SVC INC**...*CAR SERVICE*
2994 **HONEY TRANSPORT INC**...*TRUCKING*
2994 **HONEY TRANSPORT INC**...*WRECKER SERVICE*
3000 **BLOEM**...*NONCLASSIFIED ESTABLISHMENTS*
3000 **FISKARS BRANDS INC**...*BARBERS EQUIPMENT & SUPPLIES-MFRS*

2023 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121 **TRULIEVE**...*MARIJUANA DISPENSARY*
2300 **LA PARADA MEXICANA DELI MART**...*DELICATESSENS*
2300 **LA PARADA MEXICANA DELI MART**...*MEATWHOLESALE*
2300 **LA PARADA MEXICANA DELI MART**...*RESTAURANTS*
2300 **LA PARADA MEXICANA DELI MART**...*MEAT-RETAIL*
2301 **HIT N RUN MINI MART**...*CONVENIENCE STORES*
2301 **JAIMAA LAKSHMI 13 LLC**...*SERVICE STATIONS-GASOLINE & OIL*
2301 **U HAUL NEIGHBORHOOD DEALER**...*TRUCK RENTING & LEASING*
2301 **U HAUL NEIGHBORHOOD DEALER**...*TRAILER RENTING & LEASING*
2322 **ROBS CUSTOM CAR AUDIO**...*AUTOMOBILE RADIO & STEREO SYSTS-SLS/SVC*
2350 **TNT EQUIPMENT CO**...*SCAFFOLDING-RENTING*
2424 **MICHAEL DOTHEROW**...*RESIDENTIAL*
2428 **A S A P BLINDS**...*REAL ESTATE*
2428 **A S A P BLINDS**...*UNCLASSIFIED ESTABLISHMENTS*
2428 **JOSHUA REALTY INVESTMENT**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2455 **SPECTRUM ELECTRIC INC**...*ELECTRIC CONTRACTORS*
2457 **ELITE CAR CONNECTION INC**...*AUTOMOBILE DEALERS-USED CARS*
2457 **MILLENNIUM AUTOSALES**...*USED CAR DEALERS*
2457 **WW GAY MECHANICAL CONTRACTORS**...*GENERAL CONTRACTORS*
2551 **H M ELECTRICAL & UNDERGROUND**...*FEDERAL GOVERNMENT CONTRACTORS*
2551 **H M ELECTRICAL & UNDERGROUND**...*UTILITY CONTRACTORS*
2560 **ABSOLUTE WAREHOUSE SVC MID FL**...*GROCERSRETAIL*
2560 **ABSOLUTE WAREHOUSE SVC MID FL**...*WAREHOUSES-MERCHANDISE & SELF STORAGE*
2560 **MC GEE TIRE CO INC**...*TIRE-DEALERS-RETAIL*
2560 **MC GEE TIRE CO INC**...*AUTOMOBILE REPAIRING & SERVICE*
2560 **MID FLORIDA FREEZER**...*PREPARED FISH & SEAFOOD PRODUCTS (MFRS)*
2560 **MID FLORIDA FREEZER**...*WAREHOUSES-COLD STORAGE*
2560 **MID FLORIDA FREEZER WAREHOUSES**...*WAREHOUSES-COLD STORAGE*
2560 **MID FLORIDA FREEZER WAREHOUSES**...*PREPARED FISH & SEAFOOD PRODUCTS (MFRS)*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE-HOMEOWNERS*
2601 **WIN FIELD SOLUTIONS**...*CHEMICALS (WHLS)*
2601 **WIN FIELD SOLUTIONS**...*AGRICULTURAL CHEMICALS (WHLS)*
2601 **WINFIELD SOLUTIONS**...*FEDERAL GOVERNMENT CONTRACTORS*
2601 **WINFIELD SOLUTIONS**...*CARPET & RUG DEALERS-NEW*
2608 **UPLIFT CRANE SVC INC**...*EXCAVATION EQUIPMENT MANUFACTURERS*
2620 **HERC RENTALS**...*RENTAL SERVICE-STORES & YARDS*
2621 **TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHLS)*
2621 **TWC DISTRIBUTORS INC**...*SPRINKLERSGARDEN & LAWNRETAIL*

2020 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

441 **TINA GILLIAM**...*RESIDENTIAL*
3607 **DONALD HALL**...*RESIDENTIAL*
3610 **KATHRYN NICHOLS**...*RESIDENTIAL*
3611 **DEBRA CANNON**...*RESIDENTIAL*
3614 **DEBORAH BROSSEAU**...*RESIDENTIAL*
3614 **DEBORAH SOBIK**...*RESIDENTIAL*
3614 **JARED BROSSEAU**...*RESIDENTIAL*
3615 **CYNTHIA SHAFFER**...*RESIDENTIAL*
3618 **ALEXIS RAMSEY**...*RESIDENTIAL*
3622 **ANA SOLER**...*RESIDENTIAL*
3623 **KATIE THOMASTON**...*RESIDENTIAL*
3625 **ELIZABETH BURKHART**...*RESIDENTIAL*
3635 **DONNA KRUMWIEDE**...*RESIDENTIAL*
3635 **NINA GLOVER**...*RESIDENTIAL*
3643 **BRAD LINAWEAVER**...*RESIDENTIAL*
3646 **SUSAN KIELTY**...*RESIDENTIAL*

2020 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2208 **BRADLEY DUNN**...*RESIDENTIAL*
2300 **STATESIDE SERVICE**...*AIR CONDITIONING CONTRACTORS & SYSTEMS*

2020 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121	**ABC FINE WINE SPIRITS**...*LIQUORS-RETAIL*
2121	**ABC FINE WINE & SPIRITS**...*LIQUORS-RETAIL*
2121	**ABC FINE WINE & SPIRITS**...*BEER & ALERETAIL*
2247	**JAH WORKS AUTOMOTIVE**...*PROFESSIONAL ORGANIZATIONS*
2300	**LA PARADA MEXICANA DELI MART**...*DELICATESSENS*
2300	**LA PARADA MEXICANA DELI MART**...*MEATWHOLESALE*
2300	**LA PARADA MEXICANA DELI MART**...*RESTAURANTS*
2300	**LA PARADA MEXICANA DELI MART**...*MEAT-RETAIL*
2301	**U-HAUL NEIGHBORHOOD DEALER**...*TRAILER RENTING & LEASING*
2301	**U-HAUL NEIGHBORHOOD DEALER**...*TRUCK RENTING & LEASING*
2322	**ROBS CUSTOM CAR AUDIO**...*AUTOMOBILE RADIO & STEREO SYSTS-SLS/SVC*
2322	**ROBS CUSTOM CAR AUDIO**...*STEREOPHONIC & HIGH FIDELITY EQUIPDLRS*
2350	**TNT EQUIPMENT CO**...*SCAFFOLDING-RENTING*
2424	**MICHAEL DOTHEROW**...*RESIDENTIAL*
2428	**A S A P BLINDS**...*REAL ESTATE*
2428	**A S A P BLINDS**...*UNCLASSIFIED ESTABLISHMENTS*
2428	**JOSHUA REALTY INVESTMENT**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2455	**SPECTRUM ELECTRIC INC**...*ELECTRIC CONTRACTORS*
2457	**ELITE CAR CONNECTION INC**...*AUTOMOBILE DEALERS-USED CARS*
2457	**MILLENNIUM AUTOSALES**...*USED CAR DEALERS*
2457	**WW GAY MECHANICAL CONTRACTORS**...*GENERAL CONTRACTORS*
2551	**H M ELECTRICAL & UNDERGROUND**...*FEDERAL GOVERNMENT CONTRACTORS*
2551	**H M ELECTRICAL & UNDERGROUND**...*UTILITY CONTRACTORS*
2560	**ABSOLUTE WAREHOUSE SVC-MID-FL**...*WAREHOUSES-MERCHANDISE & SELF STORAGE*
2560	**ABSOLUTE WAREHOUSE SVC-MID-FL**...*GROCERSRETAIL*
2560	**MC GEE TIRE CO INC**...*TIRE-DEALERS-RETAIL*
2560	**MC GEE TIRE CO INC**...*AUTOMOBILE REPAIRING & SERVICE*
2560	**MID FLORIDA FREEZER**...*WAREHOUSES-COLD STORAGE*
2560	**MID FLORIDA FREEZER**...*PREPARED FISH & SEAFOOD PRODUCTS (MFRS)*
2560	**MID-FLORIDA FREEZER WAREHOUSES**...*PREPARED FISH & SEAFOOD PRODUCTS (MFRS)*
2560	**MID-FLORIDA FREEZER WAREHOUSES**...*WAREHOUSES-COLD STORAGE*
2591	**LOTUS INSURANCE & MORTGAGES**...*INSURANCE-HOMEOWNERS*
2601	**WIN FIELD SOLUTIONS**...*CHEMICALS (WHLS)*
2601	**WIN FIELD SOLUTIONS**...*AGRICULTURAL CHEMICALS (WHLS)*
2601	**WINFIELD SOLUTIONS**...*FEDERAL GOVERNMENT CONTRACTORS*
2601	**WINFIELD SOLUTIONS**...*CARPET & RUG DEALERS-NEW*
2608	**UPLIFT CRANE SVC INC**...*EXCAVATION EQUIPMENT MANUFACTURERS*
2620	**HERC RENTALS**...*RENTAL SERVICE-STORES & YARDS*
2621	**TWC DISTRIBUTORS INC**...*SPRINKLERSGARDEN & LAWNRETAIL*
2621	**TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHLS)*

2016 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

441 **TINA GILLIAM**...*RESIDENTIAL*
449 **SHANNON GATH**...*RESIDENTIAL*
3607 **DONALD HALL**...*RESIDENTIAL*
3607 **DOROTHY HALL**...*RESIDENTIAL*
3607 **IRWIN HALL**...*RESIDENTIAL*
3607 **PETER HALL**...*RESIDENTIAL*
3610 **KATHRYN NICHOLS**...*RESIDENTIAL*
3610 **RANDALL NICHOLS**...*RESIDENTIAL*
3611 **DEBRA CANNON**...*RESIDENTIAL*
3611 **LAURA HUBBARD**...*RESIDENTIAL*
3611 **TOMMY CANNON**...*RESIDENTIAL*
3614 **DEBORAH BROSSEAU**...*RESIDENTIAL*
3614 **DEBORAH SOBIK**...*RESIDENTIAL*
3614 **JARED BROSSEAU**...*RESIDENTIAL*
3615 **CYNTHIA SHAFFER**...*RESIDENTIAL*
3618 **CANDI RAMSEY**...*RESIDENTIAL*
3622 **ANA SOLER**...*RESIDENTIAL*
3623 **KATIE THOMASTON**...*RESIDENTIAL*
3623 **MATTHEW THOMASTON**...*RESIDENTIAL*
3625 **ELIZABETH BURKHART**...*RESIDENTIAL*
3635 **DONNA KRUMWIEDE**...*RESIDENTIAL*
3643 **BRAD LINAWEAVER**...*RESIDENTIAL*
3646 **SUSAN KIELTY**...*RESIDENTIAL*

2016 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2208 **BRADLEY DUNN**...*RESIDENTIAL*
2208 **MARILYN CHUMITA**...*RESIDENTIAL*
2258 **MARK FRY**...*RESIDENTIAL*
2300 **STATESIDE SERVICE**...*AIR CONDITIONING CONTRACTORS & SYSTEMS*

2016 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121 **ABC FINE WINE & SPIRITS**...*LIQUORS-RETAIL*
2247 **JAH WORKS AUTOMOTIVE**...*PROFESSIONAL ORGANIZATIONS*
2250 **PNC PLYMOUTH**...*RESTAURANTS*
2300 **LA PARADA MEXICANA DELI MART**...*DELICATESSENS*
2300 **LA PARADA MEXICANA DELI MART**...*MEAT-RETAIL*
2301 **CITGO MARTET INC**...*SERVICE STATIONS-GASOLINE & OIL*
2301 **HIT N RUN MINI MART**...*CONVENIENCE STORES*
2301 **HIT N RUN MINI MART**...*SERVICE STATIONS-GASOLINE & OIL*
2301 **U-HAUL NEIGHBORHOOD DEALER**...*TRUCK RENTING & LEASING*
2301 **U-HAUL NEIGHBORHOOD DEALER**...*TRAILER RENTING & LEASING*
2322 **GOOD NEWS AUTO SALES LLC**...*AUTOMOBILE DEALERS-USED CARS*
2322 **ROBS CUSTOM CAR AUDIO**...*AUTOMOBILE RADIO & STEREO SYSTS-SLS/SVC*
2350 **TNT EQUIPMENT CO**...*SCAFFOLDING-RENTING*
2385 **LIZARDO'S AUTO SALES INC**...*AUTOMOBILE DEALERS-USED CARS*
2428 **A S A P BLINDS**...*UNCLASSIFIED ESTABLISHMENTS*
2428 **JOSHUA REALTY INVESTMENT**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2428 **RUSSELL M WILLIAM LAWN MOWER**...*LAWN MOWERS-SHARPENING & REPAIRING*
2455 **CARTER ELECTRIC INC**...*ELECTRIC CONTRACTORS*
2455 **SPECTRUM ELECTRIC INC**...*ELECTRIC CONTRACTORS*
2457 **ELITE CAR CONNECTION INC**...*AUTOMOBILE DEALERS-USED CARS*
2457 **MILLENNIUM AUTOSALES**...*USED CAR DEALERS*
2551 **H & M ELECTRICAL & UNDERGROUND**...*UTILITY CONTRACTORS*
2560 **ABSOLUTE WAREHOUSE SVC-MID-FL**...*WAREHOUSES-MERCHANDISE & SELF STORAGE*
2560 **MC GEE TIRE CO INC**...*TIRE-DEALERS-RETAIL*
2560 **MID FLORIDA FREEZER**...*WAREHOUSES-COLD STORAGE*
2560 **MID-FLORIDA FREEZER WAREHOUSES**...*WAREHOUSES-COLD STORAGE*
2560 **SPECIALTY TIMBERS**...*TRUSSES-CONSTRUCTION WHLS & MFRS*
2561 **LOVE HOMES OF CENTRAL FLORIDA**...*MOBILE HOMES-DEALERS*
2591 **INDIAN HORIZON OF CENTRAL FL**...*NONCLASSIFIED ESTABLISHMENTS*
2591 **LOTUS FINANCIAL SVC**...*AUTOMOBILE DEALERS-USED CARS*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE-HOMEOWNERS*
2601 **WIN FIELD SOLUTIONS**...*AGRICULTURAL CHEMICALS (WHLS)*
2601 **WINFIELD SOLUTIONS**...*CARPET & RUG DEALERS-NEW*
2608 **UPLIFT CRANE SVC INC**...*EXCAVATION EQUIPMENT MANUFACTURERS*
2621 **TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHLS)*

2012 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

441 **SUSANN WHITESIDE**...*RESIDENTIAL*
3607 **DONALD HALL**...*RESIDENTIAL*
3607 **DOROTHY HALL**...*RESIDENTIAL*
3607 **IRVIN HALL**...*RESIDENTIAL*
3607 **IRWIN HALL**...*RESIDENTIAL*
3607 **PETER HALL**...*RESIDENTIAL*
3610 **HEATHER NICHOLS**...*RESIDENTIAL*
3610 **KATHRYN NICHOLS**...*RESIDENTIAL*
3610 **RANDALL NICHOLS**...*RESIDENTIAL*
3611 **DEBRA CANNON**...*RESIDENTIAL*
3614 **DEBORAH BROSSEAU**...*RESIDENTIAL*
3614 **DEBORAH SOBIK**...*RESIDENTIAL*
3615 **CYNTHIA L SHAFFER PA**...*REAL ESTATE AGENT/MANAGER*
3615 **CYNTHIA SHAFFER**...*RESIDENTIAL*
3618 **CANDI RAMSEY**...*RESIDENTIAL*
3618 **NAIL STUFF & MORE**...*HAIRDRESSERS*
3618 **NAIL STUFF & MORE**...*BEAUTY SALONS*
3618 **NAIL STUFF AND MORE**...*BEAUTY SHOP*
3618 **ROBERT LELAND**...*RESIDENTIAL*
3622 **CARLOS SOLER**...*RESIDENTIAL*
3623 **CHRISTINA ROOKS**...*RESIDENTIAL*
3625 **ELIZABETH BURKHART**...*RESIDENTIAL*
3635 **APOPKA REAL ESTATE**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
3635 **APOPKA REAL ESTATE**...*REAL ESTATE AGT,MGR*
3635 **DONNA KRUMWIEDE**...*RESIDENTIAL*
3639 **B SMITH**...*RESIDENTIAL*
3646 **SUSAN KIELTY**...*RESIDENTIAL*

2012 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

8 **STACY KRISTINSSON**...*RESIDENTIAL*
8 **VIGGO KRISTINSSON**...*RESIDENTIAL*
702 **JUDITH DUNN**...*RESIDENTIAL*
2216 **ROBERT WHEELER**...*RESIDENTIAL*
2216 **WHEELER ROBERT**...*RESIDENTIAL*
2300 **STATESIDE SERVICE**...*HEATING,AIR COND CONT*
2300 **STATESIDE SERVICE**...*AIR CONDITIONING CONTRACTORS & SYSTEMS*
2300 **STATESIDE SERVICE**...*PLUMBING & HVAC CONTRS*

2012 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

83 total records. Part 1 of 2

2121 **A B C FINE WINE & SPIRITS 26**...*ALCOHOLIC BEVERAGES*
2121 **ABC FINE WINE & SPIRITS**...*LIQUORS-RETAIL*
2121 **ABC LIQUORS**...*BEER, WINE, & LIQUOR STORES*
2121 **ABC LIQUORS**...*LIQUORS-RETAIL*
2121 **ABC LIQUORS INC**...*LIQUOR STORES*
2247 **ALLEN'S AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
2247 **GOLDBERG MOTORS INC**...*AUTOMOBILE DEALERS-USED CARS*
2247 **MUSSELWHITE AUTO & TRUCK SALES**...*USED CAR DEALERS*
2250 **PLYMOUTH WOODSHED**...*EATING PLACE*
2250 **PLYMOUTH WOODSHED**...*EATING PLACES*
2250 **PLYMOUTH WOODSHED**...*FULL-SERVICE RESTAURANTS*
2250 **PNC PLYMOUTH INC**...*RESTAURANTS*
2300 **FIESTA MERCADO**...*CONVENIENCE STORES*
2300 **LA PARADA MEXICANA DELI MART**...*MEAT MARKETS*
2300 **LA PARADA MEXICANA DELI MART**...*MEAT MKTS INC FR/. PRV*
2300 **LA PARADA MEXICANA DELI MEAT**...*MEAT-RETAIL*
2301 **CITGO MARTET INC**...*SERVICE STATIONS-GASOLINE & OIL*
2301 **CITGO MARTET INC**...*OTHER GASOLINE STATIONS*
2301 **HIT N RUN MINI MART**...*CONVENIENCE STORES*
2301 **U-HAUL**...*TRAILER RENTING & LEASING*
2322 **JIM MARTIN MACHINE SHOP**...*INDUSTRIAL MCHY NEC*
2322 **SOIL SYSTEMS INC**...*LAWN & GARDEN EQP*
2350 **TNT EQUIPMENT CO**...*SCAFFOLDING-RENTING*
2385 **CROWN SALES**...*USED CAR DEALERS*
2385 **LIZARDO'S AUTO SALES INC**...*AUTOMOBILE DEALERS-USED CARS*
2385 **LIZARDOS AUTO SALES**...*AUTOMOBILE DEALERS-USED CARS*
2385 **LIZARDOS AUTO SALES**...*USED CAR DEALERS*
2385 **LIZARDOS AUTO SALES INC**...*RET USED AUTOMOBILES*
2428 **PAW PAWS BARN**...*THRIFT SHOPS*
2428 **PAW PAWS BARN**...*USED MERCHANDISE*
2428 **PAW PAWS BARN**...*USED MERCHANDISE STORES*
2455 **CARTER ELECTRIC INC**...*ELECTRIC CONTRACTORS*
2455 **CARTER ELECTRIC INC**...*ELECTRICAL WORK*
2455 **CARTER ELECTRIC INC**...*ELECTRICAL CONTRS*
2457 **FL AUTO WHOLESELLERS**...*USED CAR DEALERS*
2551 **H & M ELECTRICAL & UNDERGROUND**...*WTR,SEWER,UTIL LINE*
2551 **H & M ELECTRICAL & UNDERGROUND**...*UTILITY CONTRACTORS*
2551 **H & M ELECTRICAL & UNDERGROUND**...*POWER & COMMUNICATION SYSTEM CONSTRUCTION*
2557 **LITTLE HAVANA CAFE**...*RESTAURANTS*
2560 **ABSOLUTE STORAGE PRODUCTS**...*TRANSP EQP & SUPS*
2560 **ABSOLUTE STORAGE PRODUCTS**...*LOADING DOCK EQUIPMENT-MANUFACTURERS*
2560 **ABSOLUTE STORAGE PRODUCTS LLC**...*OTHER TRANSPORTATION GOODS MERCHANT WHOLS*
2560 **ABSOLUTE WAREHOUSE SVC**...*WAREHOUSES-MERCHANDISE & SELF STORAGE*
2560 **ASSOCIATED HARDWOODS**...*OTHER BUILDING MATERIAL DEALERS*
2560 **ASSOCIATED HARDWOODS**...*LUMBER-RETAIL*
2560 **ASSOCIATED HARDWOODS**...*LUMBER, REL BLD MTL*
2560 **CADY INDUSTRY**...*SEWING CONTRACTORS*
2560 **CARGILL SALT**...*ALL OTHER SPECIALTY FOOD STORES*
2560 **CARGILL SALT**...*MISC FOOD STORES*
2560 **MID FLORIDA FREEZER**...*WAREHOUSES-COLD STORAGE*
2560 **SPECIALTY TIMBERS**...*TIMBER & TIMBERLAND CO'S*
2560 **SPECIALTY TIMBERS**...*TRUSS MFG*
2560 **SPECIALTY TIMBERS**...*TRUSSES-CONSTRUCTION WHLS & MFRS*
2561 **DOUBLE M SET UP & SVC**...*ALL OTHER PROFESSIONAL & TECHNICAL SVCS*
2561 **DOUBLE M SET UP & SVC**...*MISC SERVICES NEC*
2561 **DOUBLE MM HOME SALE INC**...*MANUFACTURED, MOBILE, HOME DEALERS*
2561 **LOVE HOMES OF CENTRAL FLORIDA**...*MOBILE HOMES (MFRS)*
2561 **LUV HOMES**...*MOBILE HOMES-DEALERS*
2561 **LUV HOMES**...*MOBILE HOME DEALERS*
2561 **LUV HOMES OF CENTRAL FLORIDA**...*MANUFACTURED, MOBILE, HOME DEALERS*
2561 **SUN OVATION HOMES**...*PREFABRICATED WOOD BUILDING MFG*
2591 **BUILDINGS BY SPACE MASTER**...*NCLASSIFIABLE ESTAB*
2591 **ELITE CAR CONNECTION INC**...*USED CAR DEALERS*
2591 **FORSYTH AUTO GROUP**...*RET NEW/USED AUTOMOBILES*
2591 **LOTUS FINANCIAL SERVICES INC**...*INVESTMENT ADVISORY SERVICE*

2012 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

2591 **LOTUS FINANCIAL SVC**...*AUTOMOBILE DEALERS-USED CARS*
2591 **LOTUS FINANCIAL SVC**...*USED CAR DEALERS*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE AGENTS,BRKR*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE AGENCIES & BROKERAGES*
2591 **U HAUL CO**...*TRUCK, TRAILER, & RV RENTAL & LEASING*
2591 **U HAUL CO**...*TRUCK RENTAL & LSG*
2601 **APOPKA PLASTICS INC**...*USED MERCHANDISE*
2601 **PRO SOURCE ONE**...*DISTRIBUTION SERVICES*
2601 **PRO SOURCE ONE**...*ADVERTISING SVS NEC*
2601 **PRO SOURCE ONE**...*ADVERTISING MATERIAL DISTRIBUTION SVCS*
2601 **WINFIELD SOLUTIONS**...*AGRICULTURAL CHEMICALS (WHLS)*
2608 **UPLIFT CRANE SVC INC**...*EXCAVATION EQUIPMENT MANUFACTURERS*
2621 **T W C DISTRIBUTORS INC**...*WHOL IRRIGATION EQUIPMENT*
2621 **TWC DISTRIBUTORS INC**...*FARM & GARDEN MCHY*
2621 **TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHLS)*
2621 **TWC DISTRIBUTORS INC**...*FARM & GARDEN EQUIP MERCHANT WHOLS*
2621 **TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHOL)*

2008 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

306 **MARCINO CINTORA**...*RESIDENTIAL*
449 **VIOLET R GRIFFIN**...*RESIDENTIAL*
3615 **CYNTHIA L SHAFFER PA**...*REAL ESTATE AGENT/MANAGER*
3618 **NAIL STUFF & MORE**...*BEAUTY SALONS*
3618 **NAIL STUFF & MORE**...*HAIRDRESSERS*
3618 **NAIL STUFF AND MORE**...*BEAUTY SHOP*
3635 **APOPKA REAL ESTATE**...*REAL ESTATE AGT,MGR*

2008 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**OWEN & CRYSTAL MCMILLAN**...*RESIDENTIAL*
3	**PHILLIP MCCALL**...*RESIDENTIAL*
5	**JOHN HALL**...*RESIDENTIAL*
6	**WILLIAM J GILBERT**...*RESIDENTIAL*
7	**WILLIAM J SHELLNUT**...*RESIDENTIAL*
8	**DA V NGUYEN**...*RESIDENTIAL*
9	**JOHN B TURTON**...*RESIDENTIAL*
10	**ADAM & BETTY TILLMAN**...*RESIDENTIAL*
10	**JOHN PERUGINI**...*RESIDENTIAL*
702	**BETTY SEELEY**...*RESIDENTIAL*
702	**JUDITH DUNN**...*RESIDENTIAL*
2300	**STATESIDE SERVICE**...*HEATING,AIR COND CONT*
2300	**STATESIDE SERVICE**...*AIR CONDITIONING CONTRACTORS & SYSTEMS*

2008 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2008 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2008 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121 **A B C FINE WINE & SPIRITS 26**...*ALCOHOLIC BEVERAGES*
2121 **ABC LIQUORS**...*LIQUORS-RETAIL*
2121 **ABC LIQUORS INC**...*LIQUOR STORES*
2247 **GOLDBERG MOTORS INC**...*AUTOMOBILE DEALERS-USED CARS*
2247 **MUSSELWHITE AUTO & TRUCK SALES**...*USED CAR DEALERS*
2250 **PLYMOUTH WOODSHED**...*EATING PLACES*
2250 **PLYMOUTH WOODSHED**...*EATING PLACE*
2300 **FIESTA MERCADO**...*CONVENIENCE STORES*
2300 **LA PARADA MEXICANA DELI MART**...*MEAT MKTS INC FR/. PRV*
2322 **JIM MARTIN MACHINE SHOP**...*INDUSTRIAL MCHY NEC*
2322 **SOIL SYSTEMS INC**...*LAWN & GARDEN EQP*
2385 **CROWN SALES**...*USED CAR DEALERS*
2385 **LIZARDOS AUTO SALES**...*AUTOMOBILE DEALERS-USED CARS*
2385 **LIZARDOS AUTO SALES**...*USED CAR DEALERS*
2385 **LIZARDOS AUTO SALES INC**...*RET USED AUTOMOBILES*
2428 **PAW PAWS BARN**...*USED MERCHANDISE*
2428 **PAW PAWS BARN**...*THRIFT SHOPS*
2455 **CARTER ELECTRIC INC**...*ELECTRICAL WORK*
2551 **H & M ELECTRICAL & UNDERGROUND**...*UTILITY CONTRACTORS*
2551 **H & M ELECTRICAL & UNDERGROUND**...*WTR,SEWER,UTIL LINE*
2560 **ASSOCIATED HARDWOODS**...*LUMBER-RETAIL*
2560 **ASSOCIATED HARDWOODS**...*LUMBER, REL BLD MTL*
2560 **CADY INDUSTRY**...*SEWING CONTRACTORS*
2560 **CARGILL SALT**...*MISC FOOD STORES*
2560 **MID-FLORIDA FREEZER WAREHOUSES**...*REFRIGERATED WHSG*
2560 **SPECIALTY TIMBERS**...*TIMBER & TIMBERLAND CO'S*
2561 **DOUBLE M SET UP & SVC**...*MISC SERVICES NEC*
2561 **LUV HOMES**...*MOBILE HOMES-DEALERS*
2561 **LUV HOMES**...*MOBILE HOME DEALERS*
2591 **BUILDINGS BY SPACE MASTER**...*NCLASSIFIABLE ESTAB*
2591 **ELITE CAR CONNECTION INC**...*USED CAR DEALERS*
2591 **FORSYTH AUTO GROUP**...*RET NEW/USED AUTOMOBILES*
2591 **LOTUS FINANCIAL SERVICES INC**...*INVESTMENT ADVISORY SERVICE*
2591 **LOTUS FINANCIAL SVC**...*USED CAR DEALERS*
2591 **LOTUS FINANCIAL SVC**...*AUTOMOBILE DEALERS-USED CARS*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE*
2591 **LOTUS INSURANCE & MORTGAGES**...*INSURANCE AGENTS,BRKR*
2591 **U-HAUL CO**...*TRUCK RENTAL & LSG*
2601 **APOPKA PLASTICS INC**...*USED MERCHANDISE*
2601 **PRO SOURCE ONE**...*ADVERTISING SVS NEC*
2601 **PRO SOURCE ONE**...*DISTRIBUTION SERVICES*
2607 **DAVID BURT**...*RESIDENTIAL*
2608 **JORGE MARTINE**...*RESIDENTIAL*
2621 **T W C DISTRIBUTORS INC**...*WHOL IRRIGATION EQUIPMENT*
2621 **TWC DISTRIBUTORS INC**...*FARM & GARDEN MCHY*
2621 **TWC DISTRIBUTORS INC**...*IRRIGATION SYSTEMS & EQUIPMENT (WHOL)*

2003 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

449 **VIOLET R GRIFFIN**...*RESIDENTIAL*

2003 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

5 **HAZEL HALL**...*RESIDENTIAL*
8 **DA V NGUYEN**...*RESIDENTIAL*
10 **J HARTZOG**...*RESIDENTIAL*
2300 **STATESIDE SERVICE**

2003 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121 **ABC LIQUORS**
2247 **CENTRAL FLORIDA AUTOMOTIVE INC**...*ENGINE REPAIR*
2250 **PLYMOUTH WOODSHED**...*STEAK AND BARBECUE RESTAURANTS*
2300 **FIRST ANTIOCH MISSIONARY BAPT**
2301 **HIT N RUN MINI MART**
2309 **MELISSA WILBURN**...*RESIDENTIAL*
2322 **JIM MARTIN MACHINE SHOP**...*MACHINE AND OTHER JOB SHOP WORK*
2322 **SOIL SYSTEMS INC**...*LAWN AND GARDEN TRACTORS AND EQUIPMENT*
2385 **CROWN SALES**
2409 **SUNSHINE STATE HOMES**
2428 **PAW PAWS BARN**
2455 **C PHIL ORR REALTOR**
2455 **ORR PHIL**
2457 **FLORIDA GATOR MOTORS INC**
2551 **H & M ELECTRICAL & UNDERGROUND**
2560 **CADY INDUSTRY**...*HORSE AND PET ACCESSORIES, TEXTILE*
2560 **CARGILL SALT**
2560 **MID-FLORIDA FREEZER WAREHOUSES**
2561 **DOUBLE MM HOME SALE INC**
2575 **EL G IGLESIA**...*RESIDENTIAL*
2591 **FORSYTH AUTO GROUP**
2591 **RYDER TRUCK RENTAL**
2601 **PRO SOURCE ONE**

2000 LAKE VIEW DR

SOURCE: DIGITAL BUSINESS DIRECTORY

449 **VIOLET R GRIFFIN**...*RESIDENTIAL*
3607 **IRWIN W HALL**...*RESIDENTIAL*
3611 **ROBERT F DALEY**...*RESIDENTIAL*
3615 **DAVID L SHAFFER**...*RESIDENTIAL*
3643 **M H LINAWEAVER**...*RESIDENTIAL*
3646 **RONALD DICKERSON**...*RESIDENTIAL*

2000 MAYFLOWER AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**DURELL & JOY LANGFORD**...*RESIDENTIAL*
4	**HILL F ELMORE**...*RESIDENTIAL*
5	**HAZEL HALL**...*RESIDENTIAL*
6	**WILLIAM J GILBERT**...*RESIDENTIAL*
7	**MICHAEL T BRITTAIN**...*RESIDENTIAL*
8	**DA V NGUYEN**...*RESIDENTIAL*
9	**JOHN B TURTON**...*RESIDENTIAL*
10	**LISA A CHIESA**...*RESIDENTIAL*
702	**BETTY SEELEY**...*RESIDENTIAL*
702	**JUDITH DUNN**...*RESIDENTIAL*
2300	**STATESIDE SERVICE**

2000 SHEPARD AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 W ORANGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 W ORANGE BLOSSOM TRL

SOURCE: DIGITAL BUSINESS DIRECTORY

2121	**ABC LIQUORS**
2247	**ADVANCE AUTOMOTIVE SVC**...*ENGINE REPAIR*
2247	**CENTRAL FLORIDA MOTOR CARS INC**
2250	**PLYMOUTH WOODSHED**...*STEAK AND BARBECUE RESTAURANTS*
2300	**FIRST ANTIOCH MISSIONARY BAPT**
2301	**HIT N RUN MINI MART**
2385	**RODNEY & MARCY WEEKLEY**...*RESIDENTIAL*
2424	**JOSEPH E BOJKOVSKY**...*RESIDENTIAL*
2455	**ORR PHIL**
2457	**FLORIDA GATOR MOTORS INC**
2551	**H & M ELECTRICAL & UNDERGROUND**
2560	**CARGILL SALT**
2561	**DOUBLE MM HOME SALE INC**
2591	**BY SPACE MASTER BUILDINGS**...*RESIDENTIAL*
2591	**FORSYTH AUTO GROUP**

LAKEVIEW DR (R R 1) 32703

WEKIWA GLEN

441	Jones B Franklin	886-1967 90
449	Griffin Violet R	889-3863 85

0-BUS 2-RES 0-NEW

MAYFLOWER AVE 32703

702	Seeley Betty	880-7343 95

0-BUS 1-RES 0-NEW

MAYFLOWER AVE (R R 1) 32703

From Boy Scout Rd nw, 1 n of Orange Ave

2	Langford Durell	884-5967 94
4	Elmore Hill F	886-4910 77
5	Hall Hazel	886-8730 90
6	Gilbert William J	889-2053 ..
7	Brittain Michael T	889-5758 95
8	Nguyen Da Van	886-6411 94
9	Turton John B	886-2872 ..
10	Truett D M	+880-7041 96

0-BUS 8-RES 1-NEW

SHEPARD AVE (R R 10) 32712

Tract 178.02 (608-662 B) $4

614 Smith Rutledge 889-8119 95

0-BUS 1-RES 0-NEW

ORANGE AVE (R R 1) 32703

2542 Steinke Kimberly ... 886-0547 95
2554 Carlton Alfred W 889-2261 94
2602 Benavides Constacia L ... 884-5080 95
2614 Hancock Elizabeth ... □884-6238 96
2626 Miller Charles F R ... 886-3853 ..
2651 ★Coca-Cola Foods ..... +884-6102 96
2704 White C ... 886-0428 94
2704 White James M ... +880-7566 96
2704 White James M ... 886-0428 90
2823 ★Automated Container ... 889-4116 94
2823 ★Crown Cork & Seal Co
Plant # 49 Plymouth
Can ... 889-4116 94
2980 ★Dolphin Electric ... +884-8100 96
2994 ★Honey Transport Frt ... 889-9726 87
3000 ★Enviroshade ... 889-5533 92
3000 ★Enviroworks Inc ..... +889-5533 96
3000 ★Talent Tree ..... +889-2761 96
3001 ★Florida Central
Railroad Co 880-8500 88
3001 ★Florida Northern
Railroad Co 884-0101 90
3001 ★Railroad Distrbtn Svc 889-8044 90
3001 ★Witherow Locomotive
Service 886-8880 91

12-BUS 8-RES 5-NEW

1996 W ORANGE BLOSSOM TRL-B

SOURCE: CITY PUBLISHING CO

1665	★Dunn Citrus Nursery	886-3092	94
	ERROL PKWY		
2121	★ABC Liquors	886-4447	87
2247	★Musselwhite Doug Car & Truck Sales	886-5333	91
2250	★Plymouth Woodshed	886-4141	90
	(R R 3) ZIP CODE 32712		
2300	★First Antioch Missionary Baptist Church	884-7000	94
2301	★Hit N Run Mini Mart	880-6599	95
2424	Bojkovsky Joseph E	886-7162	90
2455	★Orr Phil realtor	889-3390	87
2457	★Florida Gator Motors	886-8366	92
2551	★H & M Electrical & Undrgrnd Utilities	880-1889	95
2554	●Patrick Jesse	N/A	
2560	★Akzo Nobel Salt Inc	+880-7667	96
2560	★Mid-Florida Freezer Warehouses LTD	886-1971	93
2560	★Weyerhaeuser Building Products	884-4701	95
2575	★Church Of God Mountain Assembly	886-4144	88
2591	★Buildings By Space Master	889-8600	91
2591	★Buildings By Space Master	889-8300	95
2591	★Perfect Wedding Guide The	880-2221	93
2591	★Space Master International	889-8300	95
2601	★Apopka Plastics Inc	886-8118	95
2607	★Zellwood Truck Stop	884-8644	94
2608	Levine Laura	+884-6296	96
2651	★Mom's Diner	880-3337	95
2651	★Zellwood Truck Stop	889-7133	95
2691	★Lil Champ Food Strs	889-0054	85
2732	★Crown Cork & Seal Co Plant # 50 Metals	886-6272	94
2844	★Zellwood Truss	886-1005	92

1990 LAKE VIEW DR

SOURCE: CITY PUBLISHING CO

LAKEVIEW DR 32712

WEKIWA GLEN

441	Jones B Franklin	☐886-1967	90
449	Griffin Violet R	889-3863	85
1058	Shay Keith A	880-8649	88

0-BUS 3-RES 0-NEW

Report ID: 25042200017 - 04/29/2025
www.erisinfo.com

MAYFLOWER AVE

4	Elmore Hill F	886-4910	77
5	Hall Hazel E	886-8730	90
6	Gilbert William J	889-2053	--
8	Nguyen Da Van	886-6411	87
9	Turton John B	886-2872	--
10	Burcham J	+ 886-4085	90
10	Porter R D	889-8586	89
10	Walker Gloria J	886-0473	89
702	Dunn Judith	889-4663	78
--	McCall John J Sr	889-2829	82

0-BUS 10-RES 1-NEW

SHEPARD AVE N (R R 3) 32712

613	Kimbell Charlie Mae	+ 886-5395	90
614	Johnson Jessie L	+ 886-3578	90
--	Dickey Walter Carroll	886-0549	81

0-BUS 3-RES 2-NEW

Report ID: 25042200017 - 04/29/2025
www.erisinfo.com

ORANGE AVE W (R R 1) 32703

2614 Blair Diane ..... + 886-7018 90
2614 ★Blair Well Drilling & Pump Service 886-5615 85
2626 Miller Charles F R ..... 886-3853 --
2704 Taylor Milton M ..... ☐ 886-0428 90
2704 White James M ..... ☐ 886-0428 90
3000 ★Anderson Box Co Inc ... 889-2225 87
3001 ★Florida Northern Railroad Co ..... + 884-0101 90

3-BUS 4-RES 2-NEW

ORANGE BLOSSOM TRAIL W 32712

Same as US Hwy 441 W

MARSHALL LAKE RD

328 ★Delco Oil Inc 886-1153 87
345 ★Cycle Ranch 886-1150 82
355 ★Apopka Wheel & Tire Auto Svc 889-2511 79
355 ★Apopka-Wekiwa Pest Control 889-5555 87
404 ★Outdoor Power Eqpt 880-8006 88
429 ★Luv Homes ..... ☐ 880-1100 90
449 ★Gilvin's Exxon 889-2705 76
450 ★Millikan Battery & Electric 886-8285 77
450 ★Millikan Radiator Svc ... 886-8285 87

BRADSHAW RD

500 ★V-J Growers Supply nursymns eqpt 886-5555 82
508 ★MEE Industries Inc 886-3686 86
525 Court James R 889-5187 87
525 ★Discount Beverages 886-5552 83

4TH AVE

624 ★Roller's Auto Sales 889-3389 82
657 ★Ho's Chinese Cuisine ... 886-3344 87
657 ★Ken Ho's Chinese Cuisine 886-3344 89
681 ★H & R Market 880-8180 89
750 ★John-Lin Nursery 886-3383 85
805 Ewing Alfred 880-4552 89
807 Lederman S J ..... ☐ 889-7206 90
809 Holman S ..... + 886-2503 90
817 Thomasson E Yvonne ... + 889-2898 90
819 Thompson James 886-0270 89
821 Toole Diana M 889-3667 88
823 Edenfield D L 889-5186 88
827 Cochrane Solon G ..... + 884-8582 90
829 Blakeslee Jody R 889-7060 89
831 Beasley N Richard ..... ☐ 889-9227 90
831 Brack Levy ..... + 884-0183 90
833 Shum Wing Kwong ..... ☐ 886-2261 90
843 Roybal C 880-2512 89
851 Aycock Melanie 889-0484 89
901-49 ORANGE NORTH APTS
Baker Roxanne J ..... + 886-1167 90
Barchock Mary ..... + 886-1393 90
903 Brookover Richard 880-8804 88
Hulse L E ..... ☐ 886-4519 90
Scott J L ..... ☐ 886-3262 90
907 Brown Irvin James 889-0961 84
Regimbal Kenny ..... + 884-8561 90
909 Johanning Lena S ..... + 884-8262 90
Lee Charles Jr 889-8628 89
A Owens B D 880-2558 88
C Hientz Lillian 880-3357 89
913 Balducci Anthony ..... ☐ 884-0942 90
A Brannon Craig 880-9374 88
919 Dykes C L ..... + 886-5118 90
Morris Tracy ..... + 884-7951 90
921 Manning Suzanna ..... + 889-7285 90
925A Gedeon Grant W 889-7208 87
931 Halliburton William .... + 884-0021 90
933 Drumm Martha ..... + 886-7236 90
Drumm Roy A ..... ☐ 886-7236 90
C Mensen D 886-3108 85
C Sidelinger Bruce 886-3108 87
939 Allen Tony ..... + 889-4152 90
940 ★J & L Mobile Homes ... 880-1113 89
943 McNeil Jeff ..... + 886-5421 90
★Orange North Apts 886-3531 81
Rolfe Wayne ..... + 884-0647 90
947 Kampfmann Muriel H .. 880-4459 89
Lange Ted R ..... + 884-0560 90
949 Fuller James B 880-2740 89
Hall Becky ..... + 880-4983 90
Lopez Maria ..... + 886-4276 90
C Mazzula Sylvia 889-7396 85
950 ★Spencer's Auto & R V Sales 889-4704 84

CITRUS AVE

1001 ★Curry's Coffee Shoppe Inc 886-0404 89
1003-79 ORANGE NORTH PLAZA
1021 ★Champion TV & Applnc Rentals Apopka 886-7101 84
1073 ★J & E Hair Designers ... 886-6046 86
1424 ★Beecham Steve A DVM . 886-0706 87
1424 ★Jacobson Randy K DVM 886-0706 87
1424 ★North Orange Veterinary Hospital ... 886-0706 83
1439 ★Peoples Telephone Co ... 880-2719 89
1439 ★7-Eleven Stores A Div Of The Southland Corp 880-9669 89
1440 ★Crosby's Motor Inn 886-3220 89
1533 ★Summit Realty 889-5700 88
1549 ★Six Star ..... + 884-7999 90
1557 ★On Cue Billiards 880-3636 89
1569 ★Eckerd Drugs 886-2460 89
1573 ★Video Action 886-2226 86
1664 Dunn Robert Kim 886-8643 89
1914 ★Metal Service Inc 886-4967 84

ERROL PKWY

2121 ★ABC Liquors Inc 886-4447 87
2247 ★Car Mart 880-3662 89
2250 ★Plymouth Woodshed .... + 886-4141 90

(R R 3) ZIP CODE 32712

2300 ★Apopka Fitness Ctr 886-8446 87

ORANGE BLOSSOM TRAIL W (R R 3) 32712 Contd

2301 ★Cumberland Farms Store No 9579 ..... 886-9165 88
2301 ★Peoples Telephone Co ... + 884-8707 90
2385 ★Comanche Pottery 889-5027 87
2424 Bojkovsky Joseph E ..... ☐ 886-7162 90
2431 ★King Building Systems .. 299-0757 89
2431 ★King Kool U-Store 295-7336 87
2455 ★Hertz Penske Truck Rental Authorized Apopka Agent 290-5769 89
2455 ★Penske Truck Rental & Leasing Authorized Agent Apopka 290-5769 90
2457 ★Dixie-Land 889-5400 89
2457 Hopkins Michael Sr .... + 884-7970 90
2523 ★Seal Distributors Inc 290-6437 89
2525 ★MPE Inc 299-3825 89
2575 ★Church Of God Mountain Assembly .. 886-4144 88
2601 ★Falcon Growers Inc ..... + 886-8118 90
2607 Traphagan Wayne 295-4965 86
2608 ★Sunburst Mobile Home Sales ..... + 886-5554 90
2691 ★Jack's Truck Stop ..... ☐ 886-1941 90
2691 ★Lil Champ Food Store Inc #63 ..... 889-0054 85
2691 ★Zellwood Carriers ..... ☐ 886-1941 90
2753 ★Everett Farm Fresh Produce & Brokerage . + 880-2334 90
2753 ★Letsinger Produce Inc ... 889-4131 87
2753 Wallace Jeannie ..... ☐ 884-7664 90
2925 Scobey Kelly ..... ☐ 880-8026 90
2975 ★Asgrow Florida Co 886-4744 89
3007 ★Hilltop Cabinets 293-5539 86
3027 ★Richards Realty & Business Exchange 889-5544 89
3027 ★Truss Systems Inc ..... ☐ 889-3302 90
3033 ★My Sisters Place 886-2006 89
3053 ★Gas 'n Shop 886-6060 88
3055 Longworth David A .... + 884-0929 90
3350 ★Coastal Barge Corp 880-4130 89
3350 ★Coastal Carriers Corp ... + 880-4130 90
3350 ★Errol Realty Inc 886-0221 89
3350 Heidrich Paul D Sr 880-8770 89
3350 ★Value Line Constrn 886-0221 89
3405 Williams Juanita L 880-3873 89
3407 ★Clancy's Fried Chicken ..... ☐ 886-6114 90
3533 Arrington Leonard 880-3502 89
3800 ORANGE BLOSSOM RV MOBILE HOME PARK
Cober Charles E ..... + 884-8623 90
Davis Tex ..... + 889-9485 90
Edwards B ..... + 889-5299 90
Gardner Richard ..... + 884-0174 90
Hall James H ..... + 886-7833 90
Helton O B 880-8230 88
Holt G J 886-2496 84
Hooper Robert Dale 889-2057 87
Jones Irvin L ..... ☐ 886-1621 90
MacGeen Eugene ..... + 889-8056 90
Mayer B ..... + 880-8598 90
Mollenkopf Arthur I 889-8179 87
Morris Michael K ..... + 884-7175 90
★Orange Blossom RV Park 886-3260 88
Painchaud George J 886-8145 85
Porter G E 886-2316 89
Sidorenko Jacob 886-6766 86
Skillman Richard W 889-3398 89
Tenety Edward ..... + 884-8240 90
Theisen Tyrus H 886-7290 86
Wilbanks Arthur H ..... + 884-0958 90
Wilkinson Walter B 889-7782 84
3803 Tyler Glenn 889-8287 85
3880 Rondeau Joseph ..... + 884-0285 90
3927 ★International Bible Institute & Seminary . 886-3619 87
4145 Gerwig William ..... + 884-7319 90
4177 ★Spencer D J Sales ..... + 889-7133 90
4288 ★R & R Fiberglass Pools & Spas 886-2686 86
4357 Sellers Gene ..... + 886-3585 90
-- Mathews Thomas A 291-9684 85

72-BUS 82-RES 42-NEW

ORANGE GROVE LN 32712

1120 Schilling Andy 889-8697 86
1128 Millar Don L ..... + 880-2206 90
1155 Wason Hugh H III 880-9858 89
1169 Vogelsang Larry B 889-7075 88

0-BUS 4-RES 1-NEW

ORANGE NORTH PLAZA

See 1003-79 W Orange Blossom Trail

0-BUS 0-RES 0-NEW

ORANGEHURST 32703

From Line Dr w, 7 n of E Forest City

2601 King R A 886-3215 83
2605 Small Peter N 886-1114 81
2624 Hansers Bill 889-3314 88
2630 Gray William A 886-0687 82
2636 Newmons W Doyle 889-3384 84
2637 Conduff D R ..... 886-2763 --

STREET NOT LISTED

MAVERICK DR—Contd
1324 Travis Cora L Mrs ◎ 886-2587
1327 Mautin Mark ◎
1330 Free James B ◎ 886-1402
LAKECREST DR INTERSECTS

5

MAXWELL DR —FROM 4 N LAKE CORTEZ DR EAST

ZIP CODE 32703
2636 Mc Call Alice Mrs ◎
2642 Chaffin Jack C ◎ 889-5225
2701 Bohanon Luther E ◎ 886-3581
2702 Luna Robt ◎ 889-0451
2707 Colon John ◎ 886-7133
2708 Thompson Esther E Mrs ◎ 889-3835
2713 Zaffis Teresa A ◎
2714 Foster Merle H ◎ 886-1075
2720 Huth Raymond A ◎ 889-2872
2725 Tolleson Michl O ◎ 886-5350
2726 No Return
2731 Sobosky John ◎
2735 Vacant
LINE DR INTERSECTS

6

MAY DAY DR —FROM SONGBIRD WAY EAST 1 NORTH OF VOTAW RD

ZIP CODE 32703
APRIL LA INTERSECTS

12

MAYFLOWER AV (PLYMMOUTH)—FROM KING ST EAST 1 SOUTH OF U S HWY 441 W

ZIP CODE 32768
NUMBERS IRREGULAR
Mc Cafferty Lovie E Mrs ◎ 886-3536
BOY SCOUT BLVD
INTERSECTS
Miller Roger ◎
2 Miller Geo R ◎ 886-2832
3 Mc Call John J ◎ 889-2829
4 Elmore Mary L Mrs ◎ 886-4910
5 Hall Hazel E Mrs ◎ 886-4912
6 Gilbert Wm J ◎ 889-2053
7 Simmons James F ◎ 889-7191
8 Nguyen Da ◎ 886-2437
702 Dunn Robt C ◎ 889-4663
9 Turton John B ◎ 886-2872
10 Brown John W ◎ 886-2871

6

MC GEE AV —FROM NORTH OF MASON AV SOUTH 1 EAST OF ALABAMA AV

ZIP CODE 32703
10 Mc Elwain Carl L ◎ 889-2425
MASON AV BEGINS
213 Wilder Raye L Mrs ◎ 886-0291
225 Evans M Linda Mrs ◎
237 Perry Deodata A Mrs ◎
249 Bennett Martha M Mrs ◎ 889-2381
MONROE AV INTERSECTS
254 Grubaugh Tim ◎
261 Saint Paul Lutheran Church 889-2634
282 Jamison Conny L 889-4815
294 Bishop Jeff ◎ 889-2813
306 Shields Arnold ◎ 889-4571
325 Quincy's Family Steak House 886-5718
MAIN ST INTERSECTS

7

MAIN ST INTERSECTS
415 Green E Stewart ◎ 889-2780
503 Elder Kare Inn rest home 886-3093
Shaw Betty Mrs ◎ 886-3093
508 Allen Russell E ◎ 886-3972
510 Helms A winter res ◎
511 Mc Neil Ernest D ◎ 889-3220
6TH ST INTERSECTS

12

SHEPARD AV (PLYMOUTH)
FROM US HWY 441 W
NORTH 1 WEST OF N BOY SCOUT BLVD

ZIP CODE 32768
718 Martin Pearl S Mrs ◎ 886-3514
727 Kirk Nellie Mrs ◎ 886-0680
729★Arey Wallace J ◎ 886-1304
★Dickey Walter C ◎ 886-0549
DIXIE RD INTERSECTS

OLD SOUTH LA—Contd
1080★Andersen Wendell A ◎ 886-0847
1081 Sanzone Carmel ◎ 886-4032
SWEET TREE CT BEGINS
2032★White Ellen E Mrs ◎ 886-8425
DOGWOOD CT BEGINS
PALM CT BEGINS
LAKE ALDEN DR INTERSECTS

10

O'LEARY CT —FROM 397 MARTIN ST NORTH 3 WEST OF N LAKE AV

ZIP CODE 32703
609 Jones Robt H ◎
623 Mascia Fred R ◎ 886-2227
624★Nguyen Tinh ◎ 889-7356
637 Cogbill Curtis L ◎ 886-1763
638 Futch Wayne ◎
651 Reid Bobby E ◎ 886-5700
652 Upleger Evelyn M Mrs ◎ 886-6541
665 Frampton Edward A ◎ 886-1904
666 Richardson W Harvey ◎ 886-7725
667 Preisser Gary J ◎ 886-2446

12

ORANGE AV (PLYMOUTH)
FROM US HWY 441 W
SOUTHWEST

ZIP CODE 32768
SSRR CROSSES
100 Plymouth Citrus Growers Association 886-2411
101 Plymouth Fertilizer 886-2411
GENERAL ELECTRIC RD ENDS
205 Citrus Central Inc can plant 889-4116
306 White James M ◎ 886-0428
312 Miller Royal D ◎ 886-3853
314 Vacant
315 Citrus Central (can div)
316 Tirilo Israel Jr ◎ 886-7178
321 Coca-Cola Co Foods Division research & development 886-1568
Coca-Cola Co Foods Division frozen con coffee plant 886-2977
Coca-Cola Co Foods Div (Spl Products) 886-3230
Coca Cola U S A (Syrup Plant) 886-2311
Coca-Cola Co Foods Div (Trans Dept) 886-1399
322 Carlton Alf W ◎ 889-2261
329 Mid-Florida Freezer Warehouses Ltd 886-1971
PETERSON RD BEGINS
Gator Growers Nursery Inc 886-5918
Y M C A Camp W E W A 886-1240
Scanlon Theadore ◎ 886-2161

3

ORANGE LA RT 1 —FROM ARCADIA DR WEST 1 SOUTH OF PINE ST

ZIP CODE 32703
BOX NUMBERS
CLEARWATER DR INTERSECTS
1360 Brown Amos L ◎
1343 Favreau Herbert M ◎ 886-4104
1348 Gomer Elvira W Mrs ◎
1330 Slaymaker S Leroy ◎ 886-4227
234 Hager J Kenneth winter res ◎ 886-5261
bx247a Spivey Dallas H ◎ 886-5129
Olson Agnes D Mrs winter res ◎ 886-7390
bx230a Hammer Olaf winter res ◎
1211 Heiderman Ronald L ◎ 886-7259

1985 W ORANGE BLOSSOM TRL

SOURCE: POLKS

US HWY 441 N—Contd
1424 North Orange Veterinary Clinic 886-0706
1437 Southeast Bank N A-Apopka Banking Cntr 886-1244
1439 Little General Food Stores 886-8646
1440 Delux Motel 886-3958
UNITY BLVD BEGINS
APOPKA CITY LIMIT
Dunn's Citrus Nursery plants 886-3092
Dunn Fred N ◎ 886-3092
Dunn R Kim 886-8643
2000 Valencia Estates (side entrance)
FOR OCCUPANTS SEE
DRAGE DR
HAWKINS CIR
OVAL CT
2121 A B C Liquor & Lounge 886-4447
PLYMOUTH TOWN LIMIT
BOX NUMBERS
bx687 Kathy's Kitchen 886-2121
BOY SCOUT BLVD
INTERSECTS
Buzz's Super Market 886-1919
2247 Namlik's Auto 889-4114
2301 Cumberland Farms Food Store No 9579 886-9165
Soil Systems Inc contrs sups 886-4977
Martin Jim Machine Shop 886-4977
bx672 O'Neal Clarence ◎ 889-2176
bx673 Bojkovsky C Simon ◎
2385 Comanche Pottery 889-5027
2433 Tropical Farms Inc N V 886-3339
2551 Apopka Truck Brokerage Inc 886-2666
Citrus Workers Union Local 1025 886-1111
Plymouth Citrus Products Co-Op (employment ofc) 886-1111
Plymouth Citrus Products Cooperative whol 886-1111
Citrus Central Inc (Metals Div) lithography cans 886-6272
PLYMOUTH SORRENTO RD BEGINS
Little Food Town 886-4277
Asgrow Florida Co (Subsidiary Of The Upjohn Co) seeds-retail 886-4744
SORRENTO RD BEGINS
Hopkins Autos used 886-0656
Bill's T V Service 886-8213
Neal Martha J ◎
Neal Sylvester ◎ 886-8018
A & S Market 886-0885
Plymouth Rock Lounge liquors 886-0412
MONK RD BEGINS
HERMIT SMITH RD
INTERSECTS
FUDGE RD INTERSECTS
2828 Lil Champ gro 889-0881
3800 Orange Blossom Rv Park 886-3260
Rider Richd L ◎ 886-3260
1★Peterson C Herloff ◎ 886-5505
3 Wilkinson Walter ◎ 889-7782
4 Steck Andy ◎ 886-7833
5 Greenough Albert ◎ 889-4841
6 Whitaker James H ◎ 886-5572
7★George Norman L ◎ 886-0241
9 Howard Leon ◎
10 Slovak Geo ◎ 886-7943
11★Cokain George E ◎ 886-3192
12★Gonnison George H ◎ 889-4476
13★Holt Gordon J ◎ 886-2496

1980 LAKE VIEW DR

SOURCE: POLKS

STREET NOT LISTED

MAVERICK DR—Contd
1215 Heuerman Wm K ◎ 886-1539
1220★Allan Peter J ◎ 889-3687
1221 Potter Kenneth L ◎
1226 Sullivan Robt ◎ 889-3274
1232 Brown Luther E ◎ 889-3211
EDEN DR BEGINS
1300 Connor Lorine M Mrs ◎ 886-2135
1306 Noplis Mike ◎
1312★Weane Douglas ◎
1318 Hampton Lloyd ◎ 889-4769
1324 Travis Cora L Mrs ◎ 886-2587
1330 Free James B ◎ 886-1402
LAKECREST DR INTERSECTS

5

MAXWELL DR —FROM 4 N LAKE CORTEZ DR EAST

ZIP CODE 32703
2636 Mc Call
2642★Serafine Dan ◎
2707★Colon John ◎ 886-7133
2708 Thompson Noel E 889-3835
2713 Zaffis Teresa A ◎
2714 Dorsan Virginia G ◎ 886-2874
2720 Huth Raymond A ◎ 889-2872
2725 Tolleson Michl O ◎ 886-5350
2731 Vacant
LINE DR INTERSECTS

12

MAYFLOWER AV (PLYMMOUTH)—FROM KING ST EAST 1 SOUTH OF U S HWY 441 W

ZIP CODE 32768
Mc Cafferty Louie E ◎ 886-3536
BOY SCOUT BLVD INTERSECTS
Miller Roger ◎
No Return
Miller Geo R ◎
Mc Call John J ◎ 889-2829
Elmore Mary L Mrs ◎ 886-4910
Hall Hazel E Mrs ◎ 886-4912
6 Gilbert Wm J ◎ 889-2053
LAKE ANNIE DR ENDS
7 Simmons James F ◎ 889-4253
★Schuette Mary Mrs
702 Dunn Robt C ◎ 889-4663
9 Turton John B ◎ 886-2872
10 Brown John W ◎ 886-2871

6

MC GEE AV —FROM NORTH OF MASON AV SOUTH 1 EAST OF ALABAMA AV

ZIP CODE 32703
10 Mc Elwain Carl L ◎ 889-2425
MASON AV BEGINS
213 Buchanan Emerson O ◎ 889-4218
225 Evans M Linda Mrs ◎
237★Perry Delodata A Mrs ◎
249 Bennett Martha M Mrs ◎ 889-2381
MONROE AV INTERSECTS
254★Pridemoore Kim
261 Saint Paul Lutheran Church 889-2634
306★Shields Arnold
325 Randolph Charles H 886-5295
MAIN ST INTERSECTS

7

MAIN ST INTERSECTS
415 Green E Stewart ◎ 889-2780
503 Taylor's Rest Home 886-3093
Taylor Juanita H Mrs ◎ 886-3093
508 Allen Russell E ◎ 886-3972
509 Brown Craig C
510 Sword John E ◎ 889-4431
511 Mc Neil Ernest D ◎ 889-3220
6TH ST INTERSECTS
920 No Return
926 Neely Gary W
936 Neely Wayne E ◎ 886-8434
9TH ST INTERSECTS
10TH ST INTERSECTS
CITY LIMIT

2

MC GEE AV S —FROM 448 10TH ST SOUTH

ZIP CODE 32703
1003 Ward Gerald Painting contr
Ward Gerald D 886-6636
No Return
Girtman Inez Mrs 886-2097

12

SHEPARD AV (PLYMOUTH) FROM US HWY 441 W NORTH 1 WEST OF N BOY SCOUT BLVD

ZIP CODE 32768
Martin Pearl S Mrs ◎ 886-3514
Kirk Nellie Mrs ◎ 886-0680
HWY 434 INTERSECTS

Report ID: 25042200017 - 04/29/2025
www.erisinfo.com

ORANGE AV (PLYMOUTH)
FROM US HWY 441 W
SOUTHWEST

ZIP CODE 32768
S C L RR CROSSES

100 Plymouth Citrus Growers Association 886-2411
101 Plymouth Fertilizer 886-2411
GENERAL ELECTRIC RD BEGINS
205 Citrus Central Inc can plant 889-4116
306 White James M © 886-0428
312 Miller Royal D © 886-3853
314 Whetzel Eug D 889-3988
315 Citrus Central (can div) 889-4116
316 No Return
321 Coca-Cola Co Foods Division research & development 886-1568

ORANGE AV (P)—Contd

Coca-Cola Co Foods Division frozen con coffee plnt 886-2977
Coca-Cola Co Foods Div (Spl Products) 886-3230
Coca Cola U S A (Syrup Plant) 886-2311
329 Mid-Florida Freezer Warehouses Ltd 886-1971
322 No Return
PETERSON RD BEGINS
BOY SCOUT BLVD ENDS
Gator Growers Nursery Inc 886-5918
Y M C A Camp Wewa
Gullicksen Chester W

1980 W ORANGE BLOSSOM TRL-B

SOURCE: POLKS

US HWY 441 N—Contd
1057 Daisy Resale Shop family consignment apparel 886-0070
1061 Vacant
1063 Vacant
1065 Orange North Cinema
1071 Fotomat photo shop 889-2353
1073 Vacant
1075 Apopka Weight Control Inc 886-7380
1077 Apopka Helath & Fitness Center
1079 Family Hair Affair barber & beauty shop 886-0626
1083 State Dept Social & Economic Servs 886-7772
1085 Vacant
1087 Vacant
1089 State Dept Health & Servs (Food Stamps) 886-7772
1091 State Dept Health & Servs (Food Stamps) overflow
1093 State Health & Rehab Servs (Overflow)
1095 State Health & Rehabilitative Servs (Multi Servs) 886-7772
1099 North Orange Veterinary Clinic 886-0706
1420 Vacant
1440 Delux Motel 886-3958
Crosby John M
ERROL ESTATE RD BEGINS
APOPKA CITY LIMIT
Dunn's Citrus Nursery 886-3092
Dunn Fred N ◎ 886-3092
Dunn R Kim 886-8643
2000 Valencia Estates trlr pk 886-5776
FOR OCCUPANTS SEE
DRAGE DR HAWKINS CIR
OVAL CT
PLYMOUTH TOWN LIMIT
2121 A B C Liquor & Lounge 886-4447
bx687 Kathy's Kitchen restr 886-2121
BOY SCOUT BLVD
INTERSECTS
Buzz's Super Market 886-1919
Cumberland Farms Food Store No 9579 886-9165
Soil Systems Inc metal fabrication 886-4977
Martin Jim Machine Shop 886-4977
SHEPARD AV BEGINS
ALBRECHT AV BEGINS
bx672 O'Neal Clarence ◎ 889-2176
bx673 Bojousky C Simon ◎
O'Neal Ollie C ◎
Plymouth Feed & Hardware 886-3446
SCHOOL ST BEGINS
Apopka Truck Brokerage Inc 886-2666
Citrus Workers Union Local 1025
Plymouth Citrus Products Co-Op (employment ofc)
Plymouth Citrus Products Cooperative 886-1111
Plymouth Shell Service 886-4014
Citrus Central Inc (Metals Div) cans 886-6272
OLD DIXIE HWY ENDS
PLYMOUTH SORRENTO RD BEGINS
Little Food Town No 38 886-4277
Asgrow Florida Co (Subsidiary Of The Upjohn Co) 886-4744
Hopkins Autos Inc 886-0656
Bill's T V Service 886-1424
KITT AV BEGINS
Neal Martha J ◎
Neal Sylvester ◎
General Electric Co (fla lamp plant) 886-2200
A & S Market 886-0885
Plymouth Rock Lounge liquors 886-0412
MONK RD BEGINS
HERMIT SMITH RD
INTERSECTS
Mc Neil's TV Repair
FUDGE RD INTERSECTS
Orange Blossom Travel Trailer Park 886-3260
★Rider Dick
★Rider Kaye

1976 LAKE VIEW DR

SOURCE: POLKS

STREET NOT LISTED

MAYFLOWER AV
(PLYMMOUTH)—FROM
KING ST EAST 1 SOUTH OF
U S HWY 441 W

ZIP CODE 32768
Mc Cafferty Louie E ◎ 889-3727
BOY SCOUT BLVD
INTERSECTS
★Miller Charles F ◎
Woods Danny L ◎
Miller Geo R ◎
Mc Call John J ◎ 889-2829
Elmore Mary L Mrs ◎ 886-4910
Hall Hazel Mrs ◎ 886-4912
6 Gilbert Wm J ◎ 889-2053
LAKE ANNIE DR ENDS
7 Simmons James F ◎ 889-4253
Elmore Levi B Mrs ◎ 886-4457
★Botifield Ernest

MAYFLOWER AV (P)—Contd
9 Turton John B ◎ 886-2872
10 Brown John W ◎ 886-2871

12

SHEPARD AV (PLYMOUTH) FROM US HWY 441 W NORTH 1 WEST OF N BOY SCOUT BLVD

ZIP CODE 32768
Martin Pearl S Mrs ◎ 886-3514
★White Floyd W ◎ 886-1302
★Kirk Nellie Mrs ◎ 886-0680
DIXIE RD INTERSECTS

2

12

OLD MAGNOLIA COVE —FROM LAKE ALDEN DR SOUTH 1 WEST OF ERROL PKWY

ZIP CODE 32703
1037★Ruehl Robt C ◎
1039 Vacant (2 Hses 1039-41)

10

O'LEARY CT —FROM MARTIN ST NORTH 3 WEST OF N LAKE AV

ZIP CODE 32703
609 Hurst Leonard M Jr ◎ 886-5718
623 Mascia Fred R ◎
624 Bissette C Mack ◎ 886-8049
637 Cogbill Curtis L ◎ 886-1763
638★Brown Dewey ◎
651★Reid Dan ◎
652 Upleger Billey W ◎ 886-6541
665 Kennedy Sally Mrs ◎
667 Preisser Gary J ◎
666★Faircloth Estelle N ◎ 886-4199

12

ORANGE AV (PLYMOUTH) FROM U S HWY 441 W SOUTHEAST 1 WEST OF PLYMOUTH SORRENTO RD

ZIP CODE 32768
S C L RR CROSSES
100 Plymouth Citrus Growers Association 886-2411
101 Plymouth Fertilizer 886-2411
AMERICAN CAN RD BEGINS
202a Vacant
202b Brown Ike
204a Smallwood Wm R 886-2895
204b Hubbard Clyde 886-1875
205 Citrus Central Inc can plant 889-4116
206a Vacant
206b Thomas Vernon L
208a★Champion John H
208b Russ Harry M
210a★Stonley Clara Mrs
210b No Return
212a Peel Wm C
212b★Smallwood J Clayton
PETERSON RD BEGINS
BOY SCOUT BLVD ENDS
S C L RR CROSSES
302★Raulston Kenneth
Rear Vacant
304 Atkinson Bessie J Mrs 886-3179
306 Vacant
308★Catron Kenneth D 889-3969
310★Corbia John W
312 Miller Royal D ◎ 886-3853
314★Whetzel Eug D
315 Citrus Central (can div) 889-4116
316 Vacant
318★Murphy J C
320 Lane Claude E
321 Coca-Cola Co Foods Division research & development 886-1568
Coca-Cola Co Foods Div (eng) 886-2352
Coca-Cola Co Food Division frozen con coffee plnt 886-2977
Coca Cola Co Food Div (Spl Products) 886-3230
Coca Cola U S A (Syrup Plant) 886-2041
329 Mid-Florida Freezer Warehouses Ltd 886-1971
321 Coca Cola Co Food Division (sls ofc) 886-1692
Coca-Cola Foods Division (plymouth packing house) 889-4335
322 Webb Carl ◎
BOY SCOUT BLVD ENDS
Vacant
New & Son Nursery 886-3500
New Fleta Mrs ◎ 886-1546
Y M C A Camp Wewa

9

ORANGE AV E —FROM 11 N CENTRAL AV EAST (DIVIDING LINE FOR NORTH AND SOUTH STREETS)

ZIP CODE 32703
21 Miner Alford N ◎ 886-2113
30 Brigati Louis ◎ 886-3666
31 Lazarus Luna W Mrs ◎ 886-3085
36 Hawthorne Parrie L ◎ 886-1337

1976 W ORANGE BLOSSOM TRL

SOURCE: POLKS

RANGE NOT LISTED

1972 LAKE VIEW DR

SOURCE: POLKS

STREET NOT LISTED

MAYFLOWER AV
(PLYMMOUTH)—FROM
KING ST EAST 1 SOUTH OF
U S HWY 441 W

ZIP CODE 32768
Mc Cafferty Louie E Mrs ◎
889-3727
BOY SCOUT BLVD
INTERSECTS
★Johnson James J 886-4132
Woods Danny L ◎
Miller Geo R ◎
Mc Call John J ◎ 889-2829
Elmore Mary L Mrs ◎ 886-4910
Hall Hazel Mrs ◎ 886-4912
Gilbert Wm J ◎
LAKE ANNIE DR ENDS
Simmons James F ◎ 889-4253
Elmore Levy B Mrs ◎ 886-4457
Turton John B ◎ 886-2872
Brown John W ◎ 886-2871

SHEPARD AV (PLYMOUTH)
FROM US HWY 441 W
NORTH 1 WEST OF N BOY
SCOUT BLVD

ZIP CODE 32768
Wallace Earl ◎
Martin Pearl S Mrs ◎
White Floyd W ◎ 886-1302
Arey Wallace J ◎ 886-1304
DIXIE RD INTERSECTS

OLD CLARCONA RD—Contd
1812 ✦ Rouse Lee
1814 ✦ Rouse Eddie L
1816 ✦ Swift Gussie Mrs
1830 ✦ Barnes Nellie babysitter 889-4436
✦ Jones Gary L
1833 ✦ Johnson James M ◎ 886-4074
1837 ✦ Carter Willie M Mrs
1920 ✦ Wilson Laura
1928 Jackson Charlie
Rear Juarez David
Rear ✦ Hall Geo T
1930 ✦ Studstill Eddie ◎ 886-4092
1934 Johns Wm H
1950 ✦ Green John
2218 ✦ Johnson Auth ◎ 889-2689
✦ Wood Allean
✦ Board Robt ◎
✦ Redd Luther ◎ 889-2686
✦ Tatum Anna K
✦ Jones Minnette 886-3682
bx304 ✦ Simmons Wm J 889-2665
PARK AV INTERSECTS

12

ORANGE AV (PLYMOUTH) FROM U S HWY 441 W SOUTHEAST 1 WEST OF PLYMOUTH SORRENTO RD

ZIP CODE 32768
S C L RR CROSSES
100 Plymouth Citrus Growers Association 886-2411
101 Plymouth Fertilizer 886-2411
AMERICAN CAN RD BEGINS
202a State Dept Agrl (div fruit & vegetable insp) 889-2205
202b Graham Jean P Mrs 886-3039
204a Smallwood Wm R 886-2895
204b Hubbard Clyde 886-1875
206a Wilts Wilford
206b Hayes Jerry L
208a ✦ Mitchell Mary Mrs
208b ✦ Brown Millie E Mrs
210a Vacant (210a-10b)
211 Citrus Central 889-4116
212a ✦ Dann Bill
212b ✦ Atkinson Daisy J Mrs 886-3179
PETERSON RD BEGINS
BOY SCOUT BLVD ENDS
S C L RR CROSSES
302 Sheffield James E 886-3852
Rear Cobia John W 886-2899
304 Willis Otis 886-3855
306 Stubbs Olive Mrs 886-3851
308 ✦ Willis Jackie D 886-3856
310 Hendrix Ruby Mrs 886-2898
312 Miller Royal D ◎
314 Hogg Robt B ◎ 886-2894
316 Morris Donald
318 Green A D 886-3302
320 Hubbard Elbert 886-2896
321 Coca-Cola Co Food Division research & development 886-1568
Coca Cola Co Food Division (primary cold stge) 886-2761
Coca-Cola Foods Division (plymouth packing house) 889-4335
322 Webb Carl ◎ 886-3770
Kaiser Agricultural Chemicals 889-2501
New & Son Nursery 886-3500
✦ New Terrell B ◎ 886-3500
Y M C A Camp Wewa

9

ORANGE AV E —FROM 11 N CENTRAL AV EAST (DIVIDING LINE FOR NORTH AND SOUTH STREETS)

ZIP CODE 32703
21 Miner Alford N ◎ 886-2113
30 Brigati Louis ◎ 886-3666
31 Lazarus Luna W Mrs ◎ 886-3085
36 Hawthorne Parrie L ◎ 886-1337
49 Beasley R G ◎ 889-2937
61 Bishop David A ◎ 886-3873

RANGE NOT LISTED

1969 LAKE VIEW DR

SOURCE: POLKS

STREET NOT LISTED

1969 MAYFLOWER AVE

SOURCE: POLKS

MASON AV--CONTD
825 VACANT
838 LAKEY HARVEY W o
843 HUTCHINSON GEO H o
851 VACANT
---SHEELER RD INTERSECTS

3

MAVERICK DR -FROM 1155 SUNCREST DR SOUTH 1 EAST OF ATLANTIS DR

---ZIP CODE 32703
1202 VACANT
1208 WEISS EDW J o
889-3806
1209 COOPER JAMES H
886-7304
1214 ROBINSON HUGH
1215 HEUERMAN WM K o
886-6542
1220 WEBB I HOYT o
886-0948
1221 VACANT
1226 SULLIVAN ROBT o
889-3274
1232 BOHANNON L M
---EDEN DR BEGINS
1300 CONNOR LORINE MRS o
886-5781
1306 BROWN DALE MRS o
886-0563
1312 VELDHUIS J M 889-3980
1318 PIERCE JOE C o
1324 TRAVIS TERRY L
1330 FREE JAMES B o
886-0562
---LAKECREST DR INTERSECTS

12

MAYFLOWER AV (PLYMOUTH)-FROM S SHEPARD AV SOUTHEAST 1 SOUTH OF US HWY 441 W

---ZIP CODE 32768
MC CAFFERTY EALIE E o
889-3727
---BOY SCOUT BLVD INTERSECTS
WALDEN R A o 889-3729
VACANT
MILLER GEO R o
MC CALL JOHN J o 889-2829
JOHNSON BENNY o
CRUTCHFIELD T J o
889-3605
GILBERT WM J o
---LAKE ANNIE DR INTERSECTS
SIMMONS JAMES F o
ELMORE JOHN C o
TURTON JOHN B o 886-2872
BROWN JOHN W o 886-2871

6

MC GEE AV -FROM E MAIN ST NORTH 1 EAST OF ALABAMA AV

---ZIP CODE 32703
---MASON AV BEGINS
10 MOORE WM R o 886-0492
254 RADLIFF KENNETH D
---MONROE AV INTERSECTS
306 HUDGENS LOUISE MRS o
889-2228
325 VACANT

7

---MAIN ST INTERSECTS
410 CLAIBONE ARMSTRONG o
886-4811
501 GREEN E STEWART
889-2780
503 CHRISTMAS JACK o
889-2002
508 ALLEN RUSSELL E o
889-3559
510 ALLEN CHARLES o
886-5483
511 QUICK ROBT L o
---6TH ST INTERSECTS
920 NEELY WM E
926 PARKA JEAN N MRS o
889-3590
936 NEELY WAYNE E o
---10TH ST INTERSECTS

7

MIDLAND AV S -FROM MAIN ST SOUTH 1 EAST OF HIGHLAND AV

Report ID: 25042200017 - 04/29/2025
www.erisinfo.com

12

SHEPARD AV N
(PLYMOUTH)-FROM US HWY
441 W NORTH 1 WEST OF N
BOY SCOUT BLVD

---ZIP CODE 32768
MARTIN PEARL S MRS ●
886-7783
VACANT
WALLACE EARL

70

SHEPARD AV N (P)--CONTD
WHITE FLOYD W ● 886-1302
AREY WALLACE ● 886-130^
---DIXIE RD INTERSECTS

ORANGE AV (PLYMOUTH)-FROM
SORRENTO AV SOUTHEAST 1
SOUTH OF SCLRR

---ZIP CODE 32768
---AMERICAN CAN RD BEGINS
202A VACANT
202B GRAHAM JEAN P MRS
204A SMALLWOOD WM R
204B HUBBARD CLYDE
205 CITRUS CENTRAL INC
CITRUS FRUIT PRODUCTS
889-4101
206 VACANT
208A TUCKER WM P
208B LANGFORD LILA W MRS
209 ARMSTRONG BERT M
210A HAYES IRA L
210B VACANT
212A HUBBARD ELBERT
212B VACANT
302 SHEFFIELD JAMES E
886-3852
REAR COBIA JOHN W 886-8820
304 COSBY JIM
306 STUBBS OLIVE MRS
886-3851
308 BROWN WILSON T
310 BARRETT EVERETT
312 MILLER ROYAL D ●
314 HOGG ROBT B ● 886-8823
316 ADAMS CLIFTON A ●
886-8822
318 GREEN A D
320 VIEHWEGER FRED F
321 COCA-COLA CO FOODS
DIVISION (TRANSP
DEPT) 889-2381

COCA-COLA CO FOOD
DIVISION RESEARCH &
DEVELOPMENT 886-2791
COCA-COLA CO FOOD
DIVISION (QUALITY
CONTROL) 886-2771
COCA COLA CO FOOD
DIVISION (PRIMARY
COLD STGE) 886-2761

ORANGE AV (P)--CONTD
COCA COLA CO FOOD
DIVISION (PRODUCTION
DEPT) 886-8951
CANNERS FOR COCA-COLA
BOTTLERS INC 886-2731
COCA-COLA FOODS
DIVISION (PLYMOUTH
PACKING HOUSE)
889-4335
322 TAYLOR ELLIS L ●
---BOY SCOUT RD INTERSECTS

1969 W ORANGE BLOSSOM TRL

SOURCE: POLKS

RANGE NOT LISTED

INTENTIONALLY LEFT BLANK

FIRE INSURANCE MAPS

Project Property: Mandich Apopka
2560 West Orange Blossom Trail Apopka FL 32712
Project No: 25-115 / 25-115
Requested By: Colella & Associates, Inc.
Order No: 25042200017
Date Completed: April 23, 2025

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

APPENDIX D

ORANGE COUNTY PROPERTY APPRAISER'S INFORMATION CARD

- 2560 W. Orange Blossom Trail, Florida (Parcel No. 06-21-28-7172-02-011)


Orange County Property Appraiser
SITE
(2560 W. Orange Blossom Trail)
Coca-Cola Co
Cold Link Logistics
Mg88 Central Florida
Cold Storage II LLC
Coca-Cola Co.
Coca-Cola Co
Roadmaster
Drivers School
Werner
Enterprises
Inc
Crossroads 429
Industrial Park
Civf Vi-Fl1m01-M02 LLC
List Apopka
II LLC
Holts Lake
Lake Annie
Heiniger Lake
Tcd 236 Phase
II Property LLC
Western Beltway
W Highland Ave
W Orange Blossom Trl
W Orange Ave
Old Dixie Hwy
Peterson Rd
Douglas Fir Dr
Ginseng Ivy St
Lily Bell Aly
Camellia Flower St
Slender Birch Aly
Bass Ln
Lake Standish Blvd
Schopke Lester Rd
Lakeview Hts
Eldred Ct
Amsler St
Stewart Ave
Albrecht Ave
Shepard Ave
Mayflower Ave
Lake View Dr
Lake Annie Dr
Holts Lake Ct
King St
Terrace Wood Dr
Pickford Cir
N Binion Rd
S Binion Rd
State Road 429
Plymouth
Lake Tod
Sheppard L
YMCA
Camp
Wewa
Created: 4/23/2025 10:36 , undefined
This map is for reference only and is not a survey

Property Record - 06-21-28-7172-02-011

Orange County Property Appraiser • http://www.ocpafl.org

Property Summary as of 04/22/2025

Property Name

2560 W Orange Blossom Trl

Names

Mg88 Central Florida Cold Storage Ii Llc

Municipality

APK - Apopka

Property Use

4610 - Ind Cold Storage

Mailing Address

501 Ne 183Rd St Unit 1
Miami, FL 33179-4525

Physical Address

2560 W Orange Blossom Trl
Apopka, FL 32712

QR Code For Mobile Phone



2560 W ORANGE BLOSSOM TRL, APOPKA, FL 32712 1/8/2021 10:17 AM



2560 W ORANGE BLOSSOM TRL, APOPKA, FL 32712 01/02/2020



282106717202011 04/25/2006



282106717202011 04/25/2006



282106717202011 04/25/2006

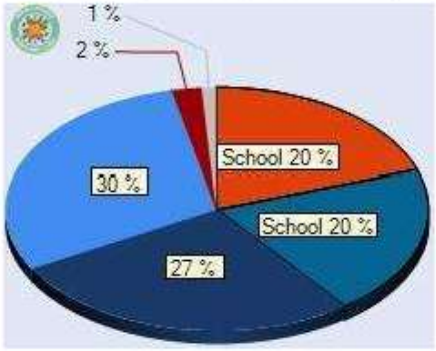


282106717202011 04/25/2006



282106717202011 04/25/2006





Value and Taxes

Historical Value and Tax Benefits

Tax Year Values	Land		Building(s)		Feature(s)	Market Value	Assessed Value
2024 ✓ MKT	$4,558,950	+	$15,069,456	+	$106,127	= $19,734,533 (-2.7%)	**$19,734,533** (6.1%)
2023 ✓ MKT	$4,558,950	+	$15,629,648	+	$100,227	= $20,288,825 (20%)	**$18,607,425** (10%)
2022 ✓ MKT	$3,913,756	+	$12,904,690	+	$100,227	= $16,918,673 (10%)	**$16,845,341** (10%)
2021 ✓ MKT	$3,557,960	+	$11,655,759	+	$100,227	= $15,313,946	**$15,313,946**

Tax Year Benefits	Tax Savings
2024 ✓	$0
2023 ✓ $	**$15,429**
2022 ✓ $	**$674**
2021 ✓	$0

2024 Taxable Value and Certified Taxes

Taxing Authority	Assd Value	Exemption	Tax Value	Millage Rate	Taxes	%
Public Schools: By State Law (Rle)	$19,734,533	$0	$19,734,533	3.2160 (1.36%)	**$63,466.26**	20 %
Public Schools: By Local Board	$19,734,533	$0	$19,734,533	3.2480 (0.00%)	**$64,097.76**	20 %
Orange County (General)	$19,734,533	$0	$19,734,533	4.4347 (0.00%)	**$87,516.73**	27 %
City Of Apopka	$19,734,533	$0	$19,734,533	4.6876 (11.94%)	**$92,507.60**	29 %
Library - Operating Budget	$19,734,533	$0	$19,734,533	0.3748 (0.00%)	**$7,396.50**	2 %
St Johns Water Management District	$19,734,533	$0	$19,734,533	0.1793 (0.00%)	**$3,538.40**	1 %
				16.1404	**$318,523.25**	

2024 Non-Ad Valorem Assessments

Levying Authority	Assessment Description	Units	Rate	Assessment
There are no Non-Ad Valorem Assessments				

Property Features

Property Description

MAP OF PLYMOUTH B/17 THAT PT OF LOTS 1 THROUGH 8 BLK B LYING S OF SR 500 & N OF R/R & E OF A LINE DESC AS FROM INT SR 500 & SR 437 RUN S 57 DEG E 216.98 FT SELY 321.19 FT S 68 DEG E 614.44 FT FOR POB RUN S 34 DEG W 256.51 FT TO TERM & LOT 43 BLK K LYING N OF R/R & LOTS 44 & 45 BLK K & FROM SW COR OF NW1/4 RUN N 1149.4 FT E 44.05 FT S 57 DEG E 216.98 FT SELY 146.29 FT S 109.73 FT S 55 DEG E FOR POB TH RUN S 55 DEG E 2077.54 FT N 2.55 FT S 55 DEG E 220.72 FT S 34 DEG W 23.15 FT N 59 DEG W 199.64 FT N 56 DEG W 169.33 FT NWLY 33.68 FT N 54 DEG W 7.36 FT N 41 DEG W 5.89 FT NLY 125.78 FT N 55 DEG W 816.63 FT S 34 DEG W 33.72 FT N 55 DEG W 435 FT N 34 DEG E 32.91 FT N 55 DEG W 505.77 FT N 34 DEG E 20.86 FT TO POB 4041/4643 & 4657 & 4670 & THAT PT OF PLYMOUTH DELLS O/102 ALL OF BLK H & W1/2 OF R/W VACATED PER DOC 20230495877 LYING ELY OF BLK H & VAC R/W BETWEEN BLKS H & I & LOTS 1 THROUGH 4 & E 100 FT OF LOT 37 BLK I & LOTS 10 THROUGH 36 (LESS E 25 FT OF LOT 17) BLK I & LOTS 11 THROUGH 15 BLK K & E 30 FT OF R/W BETWEEN BLKS I & E & VAC R/W LYING S OF BLK I & E 30 FT OF VAC R/W LYING W OF BLK I 4041/4643) (LESS BEG AT PT ON SLY R/W LINE OF ORANGE BLOSSOM TRL & NW COR OF PROPERTY LYING IN LOT 8 BLK B TOWN OF PLYMOUTH B/17 BEARS S72-29-48E 2986.87 FT NE COR OF LOT 1 BLK H PLYMOUTH DELLS O/102 TH ALONG SLY R/W LINE CROSSING LOTS 8 7 6 & 5 RUN S70-39-26E 656.21 FT TH S32-04-49W 451.87 FT TO NLY R/W LINE OF CENTRAL RAILROAD COMPANY R/W TH CROSSING LOTS 5 7 8 RUN N57-55-23W 118 FT TH N57-23-26W 354.98 FT TO NON-RADIAL CURVE CONCAVE NELY RAD 469.20 FT DELTA ANGLE 18-40-06 CHORD BEARING N51-01-08W 152.20 FT FOR 152.88 FT N32-06-18E 289.27 FT TO POB)

Total Land Area

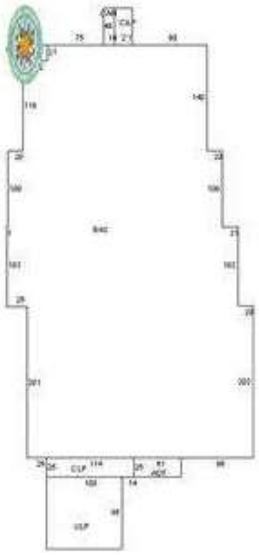
1,203,465 sqft (+/-) | 27.63 acres (+/-) GIS Calculated

Land

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
4610 - Ind Cold Storage	APK-I-L	0.47 Units	working...	working...	working...	working...
4610 - Ind Cold Storage	APK-I-L	27.16 Units	working...	working...	working...	working...

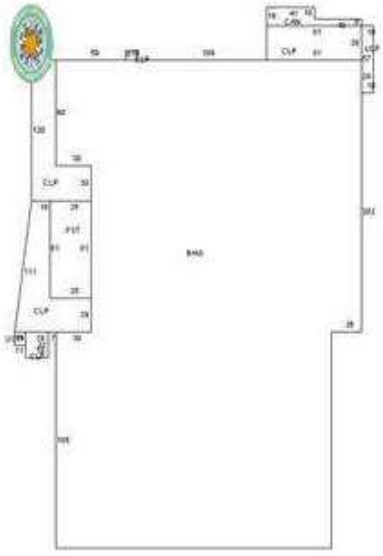
Buildings

Model Code	6 - Warehouse	Subarea Description	Sqft	Value
Type Code	4610 - Ind Cold Storage	BAS - Base Area	152094	working...
Building Value	working...	CAN - Canopy	40	working...
Estimated New Cost	working...	SAA - Sales Area	672	working...
Actual Year Built	1953	ULP - Unfinished	9500	working...
Beds	0	CLP - Covered Lo	1029	working...
Baths	0.0	CAN - Canopy	686	working...
Floors	1	AOF - Average Of	1525	working...
Gross Area	168396 sqft	CLP - Covered Lo	2850	working...
Living Area	154291 sqft			
Exterior Wall	Conc/Cindr			
Interior Wall	Minimum			



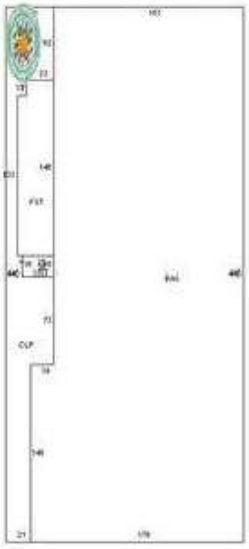
Model Code	6 - Warehouse
Type Code	4610 - Ind Cold Storage
Building Value	working...
Estimated New Cost	working...
Actual Year Built	1956
Beds	0
Baths	0.0
Floors	1
Gross Area	112687 sqft
Living Area	101310 sqft
Exterior Wall	Conc/Cindr
Interior Wall	Minimum

Subarea Description	Sqft	Value
BAS - Base Area	98475	working...
ULP - Unfinished	570	working...
CLP - Covered Lo	2349	working...
CAN - Canopy	896	working...
CLP - Covered Lo	80	working...
CLP - Covered Lo	3420	working...
FST - Finished S	2835	working...
CLP - Covered Lo	3545	working...
CLP - Covered Lo	418	working...
UST - Unfinished	99	working...



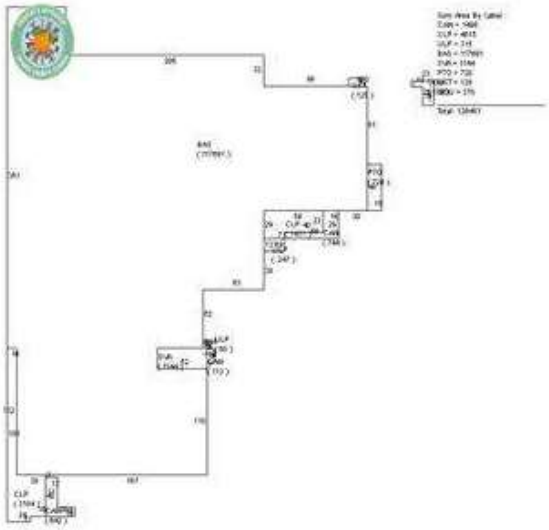
Model Code	6 - Warehouse
Type Code	4610 - Ind Cold Storage
Building Value	working...
Estimated New Cost	working...
Actual Year Built	1963
Beds	0
Baths	0.0
Floors	1
Gross Area	87665 sqft
Living Area	76966 sqft
Exterior Wall	Conc/Cindr
Interior Wall	Minimum

Subarea Description	Sqft	Value
BAS - Base Area	72677	working...
CLP - Covered Lo	10283	working...
UST - Unfinished	416	working...
FST - Finished S	4289	working...



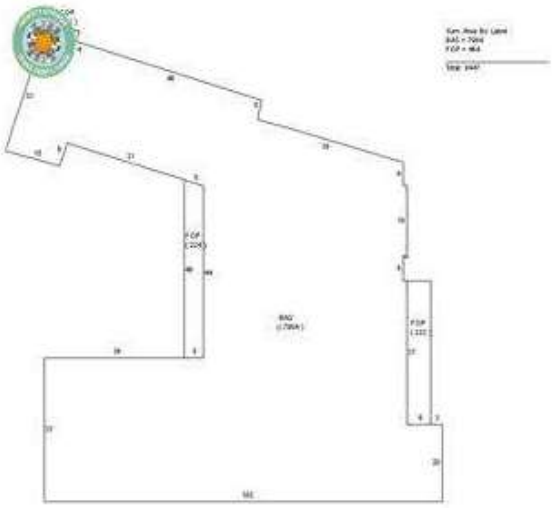
Model Code	6 - Warehouse
Type Code	4610 - Ind Cold Storage
Building Value	working...
Estimated New Cost	working...
Actual Year Built	1958
Beds	0
Baths	0.0
Floors	1
Gross Area	126481 sqft
Living Area	118835 sqft
Exterior Wall	Conc/Cindr
Interior Wall	Minimum

Subarea Description	Sqft	Value
BAS - Base Area	117691	working...
CAN - Canopy	112	working...
CLP - Covered Lo	3184	working...
CAN - Canopy	642	working...
ULP - Unfinished	68	working...
SVA - Service Ar	1144	working...
ULP - Unfinished	247	working...
CLP - Covered Lo	1431	working...
CAN - Canopy	744	working...
PTO - Patio	720	working...
UST - Unfinished	128	working...
UDU - Unfinished	370	working...



Model Code	4 - Commercial
Type Code	1700 - Office One Story
Building Value	working...
Estimated New Cost	working...
Actual Year Built	1951
Beds	0
Baths	0.0
Floors	1
Gross Area	8436 sqft
Living Area	7969 sqft
Exterior Wall	Conc/Cindr
Interior Wall	Plastered

Subarea Description	Sqft	Value
BAS - Base Area	7969	working...
FOP - Finished O	225	working...
FOP - Finished O	20	working...
FOP - Finished O	222	working...



Extra Features

Description	Date Built	Units	Unit Price	XFOB Value
6030 - Paved Asphalt	01/01/1994	244221 Unit(s)	working...	working...
6220 - Parking Space	01/01/1994	17 Unit(s)	working...	working...
6220 - Parking Space	01/01/1994	42 Unit(s)	working...	working...

Sales

Sales History

Sale Date	Sale Amount	Instrument #	Book/Page	Deed Code	Seller(s)	Buyer(s)	Vac/Imp
02/21/2020	$24,404,900	20200125193	/	Special Warranty Deed - Multiple Parcels			Improved
12/16/2019	$10,398,300	20190798998	/	Warranty Deed - Multiple Parcels			Improved
12/20/1988	$100	19883156975	04041 / 4670	Quit Claim Deed - Multiple Parcels			Vacant
12/20/1988	$100	19883156970	04041 / 4657	Quit Claim Deed - Multiple Parcels			Vacant
12/20/1988	$5,182,200	19883156967	04041 / 4643	Special Warranty Deed - Multiple Parcels			Improved
03/01/1986	$100	19862488433	03763 / 0168	Quit Claim Deed			Improved

Similar Sales

Address	Sale Date	Sale Amount	$/SQFT	Deed Code	Beds/Baths	Instrument #	Book/Page
2292 W Sand Lake Rd	09/04/2024	$40,800,000		Special Warranty Deed	0/0	20240529045	/

Services for Location

TPP Accounts At Location

Account	Market Value	Taxable Value

There are no TPP Accounts associated with this parcel.

Schools

Apopka (High School)

Principal	Lyle Heinz
Office Phone	407.905.5500
Grades	2023:

Wolf Lake (Middle School)

Principal	Cynthia Haupt
Office Phone	407.464.3317
Grades	2023:

Zellwood (Elementary)

Principal	Caroll Grimando
Office Phone	407.884.2258
Grades	2023:

Utilities/Services

Electric	Duke Energy
Water	Apopka
Recycling (Monday, Thursday)	Apopka
Trash (Monday, Thursday)	Apopka
Yard Waste (Thursday)	Apopka

Elected Officials

School Board Representative	Melissa Byrd
US Representative	Daniel Webster
State Senate	Geraldine F. "Geri" Thompson
State Representative	Doug Bankson
County Commissioner	Christine Moore
Orange County Property Appraiser	Amy Mercado

APPENDIX E

COMPLETED USER ENVIRONMENTAL QUESTIONNAIRE

FOR

2560 W. ORANGE BLOSSOM TRAIL, APOPKA, FLORIDA

(Prepared by Mr. Jamie Pardo representing Mandich Group)

USER QUESTIONNAIRE

Project Name: ESA PH1 Cold link logistics - Apopka

Property Address: 2560 West Orange Blossom Trail, Apopka, FL 32712, USA

User Name:

Use of Report: (Check All that Apply)				
	Loan (property as collateral)		**Loan (purchase property)**	
	Pre-Sale Environmental Status	X	**Liability Protection**	
	Refinance of Property		**Title Search Document (Available & Provided)**	

Prepared By (Print Name and Sign):

INTRODUCTION: In order to qualify for one of the *Landowner Liability Protections,* the *user* must provide the following information (if available) to the *environmental professional.* Failure to provide this information could result in a determination that *'all appropriate inquiry"* is not complete.

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25) -- Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

NO

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26) -- Are you aware of any Activity and Use Limitations (AULs), such as *engineering controls,* lend use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (IF YES, EXPLAIN)

NO

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28) -- As the *user* of this *ESA* do you have any specialized knowledge or experience related to the *property or* nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? (IF YES, EXPLAIN)

NO

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29) -- Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property?* If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?* (IF NO, EXPLAIN)

NA

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30) -- Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user,*

(a.) Do you know the past uses of the *property? (IF yes, describe)*

NO

(b.) Do you know of specific chemicals that are present or once were present at the *property?* (If yes, describe)

NO

(c.) Do you know of spills or other chemical releases that have taken place at the *property?* (If yes, describe)

NO

(d.) Do you know of any environmental cleanups that have taken place at the *property?* (If yes, describe)

NO

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property,* and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) -- As the user of this *ESA,* based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property?* (If yes, describe)

NO

APPENDIX F

USER PROVIDED INFORMATION

- September 2019 Phase I ESA Report prepared by Colella & Associates, Inc. (selected pages)

19-105

REPORT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Mid-Florida Freezer Warehouses LTD Properties
2300, 2322, 2424, 2428, & 2560 W. Orange Blossom Trail,
2323 Mayflower Avenue, & Lake View Drive
Apopka, Orange County, Florida

(Parcels Nos. 06-21-28-7172-02-011, 06-21-28-7180-09-070, 06-21-28-7180-09-050, 06-21-28-7180-07-031, 06-21-28-7180-07-101, 06-21-28-7180-07-100, & 06-21-28-7180-07-160)

Prepared For:

2620 W. OBT LLC

Individual Who Performed the Phase I ESA

Individual Who Prepared the Phase I ESA Report

September 2019

COLELLA & ASSOCIATES, INC.
805 Smokerise Boulevard, Port Orange, FL 32127
(386) 322-9080 / Facsimile (386) 322-0068

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FIGURES

FIGURE 1: SITE VICINITY AND LOCATION MAPS

FIGURE 2: PHYSICAL SETTING MAP -- 2015 USGS

FIGURE 3: PHYSICAL SETTING MAP -- 1960 (PHOTO-REVISED 1980) USGS

FIGURE 4: SITE MAP

APPENDICES

APPENDIX A: PHOTOGRAPHIC DOCUMENTATION

APPENDIX B: AERIAL PHOTOGRAPHS

APPENDIX C: REGULATORY DATABASE REPORT AND CITY DIRECTORY REPORT, ENVIRONMENTAL DATA RESOURCES, INC.

APPENDIX D: ORANGE COUNTY PROPERTY APPRAISER'S INFORMATION

APPENDIX E: USER COMPLETED ENVIRONMENTAL QUESTIONNAIRE

APPENDIX F: OWNER PROVIDED INFORMATION

APPENDIX G: REGULATORY FILE INFORMATION

1.0 SUMMARY

1. As requested by Mr. Cory Kroeger, Colella & Associates, Inc., has completed a Phase I Environmental Site Assessment (ESA) for the multi parcel property (site) consisting of the following seven (7) parcels:
   - Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail).
   - Parcel No. 06-21-28-7180-09-070 (2428 W. Orange Blossom Trail).
   - Parcel No. 06-21-28-7180-09-050 (2424 W. Orange Blossom Trail).
   - Parcel No. 06-21-28-7180-07-031 (2322 W. Orange Blossom Trail).
   - Parcel No. 06-21-28-7180-07-010 (2300 W. Orange Blossom Trail).
   - Parcel No. 06-21-28-7180-07-100 (Lake View Drive).
   - Parcel No. 06-21-28-7180-07-160 (2323 Mayflower Avenue).

2. The site's development at the time of the Phase I ESA included the following for each parcel:
   - Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail) -- commercial (multiple warehouses).
   - Parcel No. 06-21-28-7180-09-070 (2428 W. Orange Blossom Trail) -- commercial (office/retail).
   - Parcel No. 06-21-28-7180-09-050 (2424 W. Orange Blossom Trail) -- residential.
   - Parcel No. 06-21-28-7180-07-031 (2322 W. Orange Blossom Trail) -- commercial (two warehouses).
   - Parcel No. 06-21-28-7180-07-010 (2300 W. Orange Blossom Trail) -- commercial (retail convenience store).
   - Parcel No. 06-21-28-7180-07-100 (Lake View Drive) -- Undeveloped, wooded.
   - Parcel No. 06-21-28-7180-07-160 (2323 Mayflower Avenue) -- Undeveloped, partially wooded.

3. The Phase I ESA was performed to identify recognized environmental conditions (conditions indicative of releases or threatened releases of hazardous and petroleum substances) at the site, current and historic land uses, and/or by the operations on the adjoining and surrounding properties. The Phase I ESA was performed and the report prepared by Colella & Associates, Inc., in general accordance with the ASTM Standard E 1527-13. To achieve this objective, the scope of services included a walk-through inspection of the site, inspection of the buildings, curbside evaluation of adjacent and surrounding properties land uses, a review of federal, state, and local regulatory files (databases) applicable to the site, review of historic land uses, and interviewing individuals having knowledge of the site.

4. Mr. Kroeger authorized the Phase I ESA on August 9, 2019, and Colella & Associates, Inc., conducted the site walk and observed the adjoining properties' land uses on August 15 and 21, 2019. The Florida Department of Environmental Protection's (FDEP) and the Orange County Environmental Protection Division (OCEPD) offices were visited or contacted on August 16, 2019.

5. The site was located in a commercially developed area along W. Orange Blossom Trail in Apopka, Florida.

6. Colella & Associates, Inc., has performed a Phase I ESA of the site in conformance with the scope and limitations of ASTM Standard E 1527-13. Any exceptions to, or deletions from, this assessment are described in Section 2.0 of this report. A cursory summary of findings and recommendations is provided below. It should be recognized that

details were not included or fully developed in this section and the remainder of the report and appendices must be read in its entirety for a comprehensive understanding of the information presented below.

7. The assessment has revealed the following information regarding REC's:

- Historic Site Assessment
  - The readily available information of the historic land uses of the site did not reveal the potential of a REC.
- Current Site Assessment
  - The assessment of the current land uses of the site revealed no REC's.
- Historic Adjacent Property Assessment
  - The readily available information of the historic land uses on the adjacent properties has revealed no obvious REC's but the potential exists as the southern and western adjacent properties were heavily developed with commercial and/or industrial operations. In addition, a railroad track was located along the site's southern boundary.
- Current Adjacent Property Assessment
  - The assessment of the readily available information of the current land uses on the adjacent properties has revealed no obvious REC's but the potential exists as southern and western adjacent properties were heavily developed with commercial and/or industrial operations with active businesses. In addition, an active railroad track was located along the site's southern boundary.
- Historic Surrounding Property Assessment
  - The readily available information of the historic land uses on the surrounding properties has revealed REC's but were at a distance that have minimal potential to impact the site. None of the resources reviewed provided information that a REC was present on the southern and western surrounding properties close to the site but potential exists as they were heavily developed with commercial and/or industrial operations and could have an undetermined REC that could impact the site.
- Current Surrounding Property Assessment
  - The assessment of the current land uses on the surrounding properties has revealed REC's but were at a distance that would have minimal potential to impact the site. None of the resources reviewed provided information that a REC was present on the southern and western surrounding properties close to the site but potential exists as they were heavily developed with commercial and/or industrial operations and could have an undetermined REC that could impact the site.
- De-Minimis Conditions (Current)
  - Site -- De-minimis conditions were not apparent except for localize oil staining on the asphalt pavement.

8. The assessment has revealed the following information regarding Controlled Recognized Environmental Conditions (CREC's):

- Site -- No CREC's were identified on the site.
- Adjacent Properties -- No CREC's were identified on the adjacent property.

9. Business environmental risks, on- and off-site business activities, were evaluated and the following presents our opinion regarding any concern of their impact to the site:

    - Current On-Site Business Activity -- No concern if ASTs, drums, and totes continue to be properly managed.
    - Historic On-Site Business Activity -- Possible as the 2560 W. Orange Blossom Trail had a citrus processing facility (extensive operational buildings) with reported fuel use (aboveground storage tank) and 2322 W. Orange Blossom Trail had a machine shop.
    - Current Adjacent Properties' Business Activity -- No apparent concern based on observation and regulatory file review.
    - Historic Adjacent Properties' Business Activity -- Uncertain, extensive commercial/industrial development and use.

10. Non-operational business environmental risks, suspect asbestos containing materials (ACMs) and lead-based painted materials, were evaluated for the site

    - ACM's -- The following parcels of the site had the following suspect ACM's:
        - 2560 W. Orange Blossom Trail (Mid-Florida Freezer Warehouses) -- office (ceiling tiles, flooring, wallboard/joint compound, and window/door caulking).
        - 2428 W. Orange Blossom Trail (Relator/Vertical Blinds) -- wallboard/joint compound, window/door caulking, and flooring.
        - 2424 W. Orange Blossom Trail (residential building) -- wallboard/compound, window/door caulking, and flooring.
        - 2322 W. Orange Blossom Trail (warehouses) -- wallboard/joint compound and window/door caulking.
        - 2300 W. Orange Blossom Trail (commercial store) -- wallboard/joint compound, window/door caulking, and flooring.
    - Lead-Based Paint (LBP) -- All the buildings on the site had the suspect lead-based paint as they had painted surfaces and were built/maintained prior to the ban of LBP:

11. Based on the information reviewed, the potential for vapor migration on or to the site does not appear to exist.

12. No data gaps are identified as part of this Phase I ESA report.

13. During the performance of the Phase I ESA, general observations (non-testing) of other non-scope issues (not part of the ASTM E-1527-13) such as identifying typical suspect asbestos containing materials, identifying the presence of painted surfaces (lead-based paint if developed/maintained prior to 1980), wetlands (review of National Wetlands Inventory database), mold (visible presence), and/or water intrusion (visible presence), were provided. Other possible non-scope considerations not identified or requested were not included and Colella &

Associates, Inc., is not responsible for their inclusion in the performance of the Phase I ESA. Colella & Associates, Inc., has identified the following for the site:

- Floodplains -- The site is outside the 100- and 500-year flood zone.
- Wetlands -- None noted on the site or designated on the U. S. Fish & Wildlife National Wetlands inventory.

2.0 INTRODUCTION

2.1 PURPOSE

1. A Phase I Environmental Site Assessment (ESA), was requested by Mr. Cory Kroeger of 2620 W. OBT LLC for the multi-parcel property (site) located in Apopka, Orange County, Florida (see Figure 1) at:

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011).
    - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070).
    - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050).
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031).
    - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010).
    - Lake View Drive (Parcel No. 06-21-28-7180-07-100).
    - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160).

2. The site consisted of undeveloped, and commercially and residentially developed parcels. The commercially developed parcels included Mid-Florida Freezer Warehouses, convenience store, retail, professional office, and vehicle audio installation.

3. The Phase I ESA was requested to determine the environmental status of the site. Mr. Kroeger authorized Colella & Associates, Inc., to perform the Phase I ESA on August 9, 2019.

4. The purpose of the Phase I ESA was to determine if recognized environmental conditions (REC's) were associated with operations, historic and current, on the site, and/or from operations on adjoining properties. The following terms define our performance in identifying a REC as per the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13):

    - Recognized Environmental Condition (REC) -- The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.
    - De-minimis Condition-- A release that generally does not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A de minimis condition is not a REC.
    - Release -- Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment**,** including the abandonment or discharging of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant.
    - Environment -- Includes the navigable waters, the waters of the contiguous zone, and the ocean water and any other surface water, groundwater, drinking water supply, land surface or subsurface strata.

- Material Threat -- Physically observable and/or obvious through documented resources which are reasonably likely to lead to a release that is threatening and might result in an impact to public health and/or the environment.

- Historical REC (HREC) -- A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations (AUL's), institutional controls, or engineering controls).

- Controlled REC (CREC) -- A REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a "No Further Action" (NFA) letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations (AUL's), institutional controls, or engineering controls).

2.2 DETAILED SCOPE OF WORK

1. The Phase I ESA included the following scope of services:

- A visual evaluation of the site was performed with the purpose of identifying the presence of stored, spilled, or otherwise managed hazardous and/or non-hazardous industrial or commercial grade solid/liquid substances, waste products or related visible residue such as hydrocarbon based materials, chemicals, or PCBs. Colella & Associates, Inc., recorded any typical surface expressions of underground storage tanks (USTs), or related holding units that may have been observed on the property at the time of the site inspection. A cursory drive-by review of adjacent and surrounding properties was performed and general land use activities were noted, as they related to the subject site. Photographic documentation is presented in Appendix A.

- A review of past and current aerial photographs pertaining to land usage was performed. Copies of portions of the 2019, 2009, 2004, 1997, 1984, 1978, 1969, 1954, 1947, and 1939 aerial photographs of the subject area are provided in Appendix B.

- A review of the federal (Environmental Protection Agency, EPA) and state (Florida Department of Environmental Protection, FDEP) environmental management listings was conducted. The purpose of this review was to identify the presence of facilities where fuels, oils and hazardous substances and/or materials and wastes are being stored, treated, disposed, generated, or transported and which have registered UST's and/or AST's within a designated area around the site. An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was obtained to perform the review. A copy of the report is included in Appendix C.

- Because the site was developed, the presence of business environmental risks (asbestos containing materials and lead-based painted surfaces) was evaluated. During the site inspection, the presence of suspect business environmental risks was assessed to determine the need for subsequent actions.
- State and County regulatory files were examined for registrations and violations associated with the subject site and adjacent properties.
- A review of city directories of the past and present occupants of the site, and past and present occupants of the adjacent and surrounding properties was performed to potentially identify historic land uses and possible presence of REC's that could impact the site. A city directory report prepared by EDR was obtained to perform the review. A copy of the report is included in Appendix C.
- The identification and delineation of wetlands, endangered or protected plant and animal species or historical/archaeological sites, as well as the identification and evaluation of geological and/or geotechnical hazards were beyond this scope of work.
- The review of available historic Sanborn and/or fire insurance maps was performed to potentially identify historic land uses of the site, adjacent, and surrounding properties, and the possible presence of REC's.
- During the site inspection, observations were made of conditions associated with business environmental risks such as lead-based paint, potential of flooding, presence of wetlands, and mold. The site conditions, location, and/or the age of the associated structures were used to provide an opinion regarding the presence of a business risk. No other non-scope ASTM E1527-13 issue was addressed in this Phase I ESA by request of Mr. Kroeger or from implication by Colella & Associates, Inc.
- Property ownership was developed from the property appraiser's internet website to determine the historic property owners and possibly the associated land uses.

2.3 SIGNIFICANT ASSUMPTIONS

1. There were no significant assumptions associated with the performance of this Phase I ESA. There is a possibility that even with the proper application of the described assessment methodologies there may exist on the site, conditions that could not be identified within the scope of this assessment, or which were not reasonably identifiable from the available information. Colella & Associates, Inc., believes that the information obtained from the record review, observations, aerial photographs, and the interviews concerning the site is reliable. However, Colella & Associates, Inc. cannot and does not warrant or guarantee that the information provided by these and/or other resources is accurate and/or complete. The methodologies of this assessment are not intended to produce "all inclusive" or "comprehensive" results, but rather to provide the user with information relating to the site.

2.4 LIMITATIONS AND EXCEPTIONS

1. Colella & Associates, Inc.'s professional services have been performed, our findings obtained and our conclusions prepared in general accordance with customary principles and practices in the fields of environmental science and engineering reflecting the site's conditions when observed and/or from resources reviewed. This warranty is in lieu of all other warranties either expressed or implied. Colella & Associates,

Inc., is not responsible for the independent conclusions, opinions, and/or recommendations made by others based on the data presented in this report. Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential presence of a REC associated with the site.

2. This report (including all supporting documents) shall be the sole property of Colella & Associates, Inc., until payment for services rendered have been paid in full. The client shall not have proprietary interest in this report and supporting documents until payment is made in full. Colella & Associates, Inc., has absolute right to request the return of any and all copies of this report when nonpayment occurs.

3. It should be noted that all environmental assessments are inherently limited in the sense that conclusions are drawn from readily available information obtained from limited research and a site evaluation. Subsurface conditions were not field-investigated as part of this study and may differ from the conditions implied by the observations. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. It should be noted that environmental concerns may be documented in public records that were not reviewed because they were not readily available. No Phase I ESA can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with the site. Performance of the Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions. The limitations presented herein must be considered when the user of this report formulates opinions/decisions as to the environmental risks associated with the site. The identification of an environmental risk may be furthered evaluated through additional research and/or site assessment (sampling/analysis) to reduce and/or understand the magnitude of the REC.

4. The Phase I ESA has been prepared in general accordance with the procedures detailed in the current ASTM Standards on Environmental Site Assessments for Commercial Real Estate, Standard E 1527-13, except as noted below. The specialized terms, definitions of terms, and acronyms are defined in Section 3.0 of the referenced ASTM Standard.

5. In accordance with Section 7.1.2.1 of ASTM Standard E 1527-13, Colella & Associates, Inc., is utilizing the following approximate minimum search distance for conducting the Phase I ESA:

   - Federal National Priority List (NPL) -- 1.0 mile.
   - Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERLIS) List -- 0.5 mile.
   - Federal Resource Conservation Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Facilities List -- 1.0 mile.
   - Federal RCRA Generators List -- Site and Adjacent properties only.
   - Federal Emergency Response Notification System (ERNS) List -- Site only.
   - Federal Institutional/Engineering Control Registry -- Site only.
   - Brownfield Sites -- 0.50 mile.
   - State Lists of Hazardous Waste Sites identified for investigation or remediation (NPL & CERCLIS equivalent) -- 1.0 mile.

- State Landfill and/or Solid Waste Disposal Sites List -- 0.50 mile.
- State Leaking Underground Storage Tank (LUST) List -- 0.50 mile.
- State Registered Underground Storage Tank (UST) List -- Site and Adjacent properties only.

2.5 SPECIAL TERMS AND CONDITIONS

1. There were no special terms and conditions associated with the performance of this Phase I ESA.

2.6 USER RELIANCE

1. This Phase I ESA report was prepared solely for the use by 2620 W. OBT LLC (and its principals). Reliance on this report by others is at their own risk unless written authorization from Colella & Associates, Inc., is received.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

1. Based on information provided by Mr. Kroeger, the subject site (see Figure 1) was located in Apopka, Florida and consisted of the following addresses:

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011).
    - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070).
    - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050).
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031).
    - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010).
    - Lake View Drive (Parcel No. 06-21-28-7180-07-100).
    - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160).

2. The site encompasses approximately 33-acres. A copy of the legal description and property appraiser's information of each parcel (7) is included in Appendix D. The identified land use of each parcel by the property appraiser is presented below:

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- commercial (dry and refrigerated warehouse storage).
    - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- commercial (retail and professional office).
    - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- residential.
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- commercial (warehouses).
    - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010) -- commercial (convenience store).
    - Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- vacant undeveloped.
    - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- vacant undeveloped.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

1. The site was situated in a commercially developed area along W. Orange Blossom Trail. The general description of the adjacent and surrounding properties at the time of the site inspection included:

    - North -- Road (4-lane W. Orange Blossom Trail (US 441)) followed by residentially and commercially developed properties and undeveloped properties.
    - South -- Railroad track (active) followed by developed properties (commercial/industrial).
    - East -- Road (2-lane Lake View Drive) followed by commercially and residentially developed properties.
    - West -- Developed properties (commercial/industrial).

2. Based on the 2015 and 1960 (Photo-revised 1980) Physical Setting Maps (Figures 2 and 3, respectively), the topography of the general area had a mild slope to the south-southwest. The ground surface elevation near the site was approximately 125-feet above Mean Sea Level (MSL). The 1960 (Photo-revised 1980) map shows portions of the site developed.

3. The site has irregular shape with a general northwest-southeast alignment.

3.3 CURRENT USE OF THE PROPERTY

1. The site had the following current uses:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- Mid-Florida Freezer Warehouses (dry and refrigerated/freezer storage) and McGee Tire (used tire recycling).
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Island Realtor and Vertical Blinds.
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Residential.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Rob's Custom Audio and vacant warehouse.
- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010) -- La Parada Mexican Market.
- Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- Undeveloped and wooded. Cleared area (southern area) being used as a contractor's construction yard (storing equipment and materials).
- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- Undeveloped and partially wooded. Cleared area (southern area) being used as a contractor's construction yard (storing equipment and materials).

3.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND SITE IMPROVEMENTS

1. Each parcel of the site had the following structures/improvements at the time of the site inspection on August 15 and 21, 2019:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- Mid-Florida Freezer Warehouses
  - Concrete block warehouses (dry (6) and refrigerated (cooler (4) and freezer (4)) storage).
  - Office building.
  - Concrete block building (Fire Pump House, fire water supply well system).
  - Asphalt pavement.
  - Emergency generator.
  - Irrigation water well system.
  - Buried storm water sewer system.
  - Pad-mounted transformer.
  - Cyclone fence around boundary.
  - Interior cyclone fenced area (eastern portion of the parcel) being used by McGee Tire.
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Island Realtor and Vertical Blinds
  - Former 1-story residential building converted into two (2) office units.
  - Water well.
  - Asphalt pavement.
  - Cyclone fence around boundary.

- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Residential
  - 1-story residential building.
  - Water well.
  - Cyclone fence around boundary.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Rob's Custom Audio
  - Metal warehouse building.
  - Concrete block warehouse building (vacant).
  - Asphalt pavement.
  - Cyclone fence around boundary.
- Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- Undeveloped and wooded
  - Northern portion -- undeveloped and wooded.
  - Southern portion -- cleared, construction material stockpile storage in the southern area.
- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- Undeveloped (partially wooded and cleared)
  - Construction company storage yard on the southern area.

3.5 CURRENT USES OF ADJOINING PROPERTIES

1. The current adjoining properties' land uses included the following:

- North -- W. Orange Blossom Trail (4-lanes with a median) followed by undeveloped and commercially developed properties (Citgo retail gas/convenience store, Garage Autos, Inc., Perfect Car Corp. (used cars sales), Best Automotive (used car sales), Dayspring Church, H&M Electrical & Utilities Contractor, Getsemani Temple, Winfield Solutions, and TNT Rental).
- South -- Railroad track (active Florida Central Railroad/Florida Midland Railroad/Florida Northern Railroad) followed by commercially developed properties (warehouses/offices (Minute Maid and Coca-Cola)).
- East -- Road (Lake View Drive) followed by commercially developed property (vacant restaurant) and residentially developed properties.
- West -- Commercially developed property (Herc Rentals).

4.0 USER PROVIDED INFORMATION

4.1 TITLE RECORDS

1. A chain-of-title for the site was not provided by Mr. Kroeger to attempt to identify the land uses of the site and possible REC's.

4.2 ENVIRONMENTAL LIENS/ACTIVITY AND USE INFORMATION

1. Mr. Kroeger did not provide nor identify the existence of any environmental liens and/or limitations of use and provided a completed User Questionnaire (Appendix E) addressing these items. Mr. Kroeger indicated the site was used as a former juice plant prior to the current warehouse storage facility.

4.3 SPECIALIZED KNOWLEDGE

1. Mr. Kroeger provided a completed User Questionnaire (Appendix E) that indicated he had no specialized knowledge in the current land use of the site.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

1. Mr. Kroeger provided a completed User Questionnaire (Appendix E) that indicated the purchase price of the property was at a fair market value.

4.5 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

1. The site was owned, as indicated by the respective Orange County Property Appraiser files, by Mid-Florida Freezer Warehouses LTD.

2. The site was being managed by the owner and the respective lessees.

3. The site was occupied by the following:

   - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- Mid-Florida Freezer Warehouses (dry and refrigerated/freezer storage) and McGee Tire.
   - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Island Realtor and Vertical Blinds.
   - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Residential.
   - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Rob's Custom Audio and vacant concrete block warehouse.
   - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010) -- La Parada Mexican Market.
   - Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- Undeveloped and wooded.
   - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- Undeveloped and wooded.

4. The owner (Mid-Florida Freezer Warehouse LTD) provided the following documents for some of the parcels of the site:

   - March 1983 Environmental Property Assessment, Parts of Section 6, Township 21s, and Range 28E, by Springstead Engineering, Inc. 2560 W. Orange Blossom Trail -- Mid-Florida Freezer Warehouses (Selected relevant pages of the report are provided in Appendix F.)

- Assessment only included 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011), Lake View Drive (06-21-28-7180-07-100), and 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) of the 2019 site assessment.
- Storm water from the developed portions of the site were routed to Holt Lake, an off-site western parcel (06-21-28-7177-00-011), which is owned by Mid-Florida Freezer Warehouses LTD.
- No RECs were noted on the subject parcels.

- March 2009, Phase I Environmental Site Assessment, 2424 - 2428 W. Orange Blossom Trail (Selected relevant pages of the report are provided in Appendix F.)
  - Assessment only included 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) and 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) of the 2019 site assessment.
  - Site covered approximately 0.4 acres.
  - 2428 W. Orange Blossom Trail parcel had an office (relator) and retail (vertical blinds) land uses.
  - 2424 W. Orange Blossom Trail parcel had a residential land use.
  - Both parcels had water wells and septic systems.
  - No tanks and transformers were noted.
  - No RECs were noted on the subject parcels.
- July 2010 Phase I Environmental Site Assessment, Mid-Florida Freezer Warehouses, LTD Parcels (Selected relevant pages of the report are provided in Appendix F.)
  - Assessment only included 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011), 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070), Lake View Drive (06-21-28-7180-07-100), and 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) of the 2019 site assessment. The western portion of Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail) was sold in 2018 and is currently used by Herc Rentals.
  - Site covered approximately 30.2 acres.
  - The site was being used as Mid-Florida Freezer Warehouses, McGee Tires (used tire recycling) and an undeveloped area.
  - Two (2) small (<550-gallon) aboveground storage tanks (ASTs) with petroleum were observed in secondary containment on the western portion of the site. No signs of spills and/or releases.
  - A waste oil (refrigeration oil) AST was located on a concrete slab in the western portion of the site. No signs of spills and/or releases.
  - An emergency generator with internal fuel storage was noted on the site. No signs of spills and/or releases.
  - One (1) pad-mounted transformer was noted on the site. There was no leakage noted around the transformer.
  - Water wells were noted for irrigation and fire prevention.
  - No RECs were noted on the subject parcels.

- June 2011 Phase I Environmental Site Assessment, 2322 W. Orange Blossom Trail (Selected relevant pages of the report are provided in Appendix F.)
  - Assessment only included 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) of the 2019 site assessment limits.
  - Site covered approximately 1.8 acres.
  - The site had two (2) warehouse buildings, one metal and the other concrete block.
  - The site was occupied by Jim Martin Machine Shop.
  - The southern portion had dense brush and trees.
  - No tanks and transformers were noted.
  - No RECs were noted on the subject parcel.
- 1969 Boundary Survey (Survey drawing provided in Appendix F)
  - Northern adjacent property was Orange Blossom Trail (State Road 500).
  - Southern adjacent property was multiple railroad tracks associated with the Seaboard Air Line Railroad.
  - Eastern adjacent property was Boyscout Road (currently Lake View Drive).
  - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
    - Numerous masonry warehouse buildings.
    - 1-story office building.
    - Emergency generator located southwest of the office building.
    - Gas tank noted west of the office building.
    - Asphalt pavement between buildings.
    - Diesel fuel tank was noted near Fire Pump No. 1 (eastern portion of the parcel).
  - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Residential property.
  - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Residential property.
  - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- No information provided.
  - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010) -- No information provided.
  - Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- Unimproved wooded.
  - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- Unimproved wooded.
- Mid-Florida Freezer Site Plan (drawing provided in Appendix F)
  - Identified buildings and uses.

4.6 REASON FOR PERFORMING PHASE I ESA

1. Mr. Kroeger requested the Phase I ESA be performed to determine the environmental status of the site for consideration of purchasing the site.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORDS (FEDERAL AND STATE)

1. Federal, state and local regulatory files were assessed regarding information, if any, pertinent to environmental concerns related to the subject site and adjoining/surrounding properties as defined in Section 2.4 of this report. A search was performed of the environmental records/listings summarized in an environmental database report prepared by and obtained from Environmental Data Resources, Inc. (EDR). EDR relies on government agency sources for the various listings/records associated with the applicable environmental regulations and the updates. Neither EDR nor Colella & Associates, Inc., warrant the accuracy or reliability of the information provided in the database document (Appendix C) as they are maintained by the respective government agencies.

2. Colella & Associates, Inc., has conducted a limited field inspection and environmental regulatory agency file review to confirm findings of the site and the adjacent properties within the database.

5.1.1 FEDERAL

1. The following federal databases were reviewed for sites located within the identified search distances.

   - National Priorities List (NPL) -- The NPL was researched with regard to sites which have been assessed by the EPA and determined to represent a possible threat to public health or the environment.
     - The subject site was not found in the NPL list.
     - No adjacent/surrounding properties were found in the NPL list.
   - Superfund Enterprise Management System (SEMS) formerly the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) -- EPA SEMS records were researched to determine if a facility is listed that has the potential for releasing hazardous substances into the environment.
     - The subject site was not found in the SEMS list.
     - No adjacent/surrounding properties were found in the SEMS list.
   - SEMS-Archive, formerly the CERCLIS NFRAP, records sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.
     - The subject site was not found in the SEMS-Archive list.
     - No adjacent/surrounding properties were found in the SEMS-Archive list.

2. Resource Conservation and Recovery Act (RCRA) files were assessed regarding the listing of properties associated with the generation, transportation, storage, and disposal of hazardous waste. The designation of a particular facility

as a "RCRA Site" does not necessarily mean that the property represents an immediate environmental concern for adjacent land owners. A property is designated as a RCRA facility if site activity at that property includes the generation, treatment, storage, transportation, and/or disposal of hazardous waste. The following categories (1, 2, and 3) are applied to those facilities which generate reportable quantities of hazardous waste.

- **Class 1 (Large Quantity Generator, LQG) -** Facilities which generate at least 1,000 kilograms (2,200 pounds) per month (kg/mo) of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.
- **Class 2 (Small Quantity Generator, SQG) -** Facilities which generate at least 100 kg (220 pounds)/mo, but less than 1,000 kg (2,200 pounds)/mo, of non-acutely hazardous waste.
- **Class 3 (Conditionally Exempt Small Quantity Generator, CESQG) -** Facilities which generate less than 100 kg (220 pounds)/mo of non-acutely hazardous waste. This designation has been renamed to Very Small Quantity Generator (VSQG).

Information regarding Class 1, 2, or 3 generators within the identified search distance is as follows:

- The subject site was not found in the RCRA Generators list.
- The southern adjacent properties, 2501 and 2659 Orange Avenue (Coca-Cola) were found in the RCRA Generators list as SQG facilities. The report identified characteristic toxic and listed hazardous wastes were generated at the Coca-Cola facility.
- Two (2) surrounding properties were found in the RCRA CESQG list.
- See the report in Appendix C for details of the identified adjacent and surrounding properties.

3. Information regarding the presence of any RCRA Transportation, Storage, and Disposal (TSD) facilities within the search distance is as follows:

- The subject site was not found in the RCRA TSD list.
- No adjacent/surrounding properties were found in the RCRA TSD list.

4. Emergency Response Notification System (ERNS) was researched with regard to the site having experienced an incident which required emergency response activities.

- The subject site was not found in the ERNS list.

5. Brownfields (US Brownfields) are abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

- The subject site was not found in the US Brownfields list.

6. Engineering Controls (US Eng Controls) registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property.

- The subject site was not found in the US Eng Controls list.

7. Institutional Controls (US Inst Controls) registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

    - The subject site was not found in the US Inst Controls list.

5.1.2 STATE

1. Colella & Associates, Inc., personnel reviewed the following environmental records maintained by the FDEP and incorporated into the database:

    - The listings maintained by the FDEP's Hazardous Waste Enforcement and Cleanup Programs regarding facilities regulated by the RCRA regulations.
    - The listing maintained by the FDEP's Solid Waste Management Division (SWF/LF) regarding facilities that dispose or treat solid waste (i.e. landfills, recycling facilities, etc.).
    - The listing and file records maintained by the FDEP's Tanks Program regarding facilities with leaking underground storage tanks (LUST's).
    - The FDEP maintains a list, DWM Contaminated Sites (DWM CONTAM) of facilities (primarily petroleum and dry-cleaning) that need cleanup but are not actively being worked on because the agency has insufficient funding.
    - The listing and file records maintained by the FDEP's Tanks regarding facilities with registered underground tank (UST) and aboveground storage tank (AST).
    - The listing maintained by the FDEP's Drycleaner Solvent Cleanup Program (DRYCLN) regarding dry-cleaning facilities (use and/or storage of the solvent).
    - The listing maintained by the FDEP of properties included in the Voluntary Cleanup Program (VCP) regarding properties that have had a release and are being addressed voluntary.
    - The listing of properties having Engineering Controls.
    - The listing of properties classified as Brownfields.
    - The listings maintained by the FDEP's DEDB (ethylene dibromide) records regarding the presence of EDB, a soil fumigant, in drinking water wells.

2. Within the designated search distances (Section 2.4), the following information was found in the databases. Section 5.1 lists the databases that had no listings within the designated search distances.

    - State Hazardous Waste Site (SHWS)
        - The subject site was not found in the SHWS list.
        - No adjacent/surrounding properties were found in the SHWS list.
    - Solid Waste Landfill List (SWF/LF)
        - The subject site was not found in the SWF/LF list.
        - No adjacent properties were found in the SWF/LF list.

  - Three (3) surrounding properties, 2591 W. Orange Blossom Trail (an inactive waste tire collector, El Dorado Recycle, Inc. and Harendra Singh), and 2877 Orange Avenue (an unauthorized waste tire collector, Danco A. Q. Enterprise) were found in the SHWS list. See the report in Appendix C for details.

- LUST's
  - The subject site was not found in the LUST list.
  - The southeast adjacent property, 2659 Orange Avenue (Coca Cola North America) was found in the LUST list. The report identified a petroleum discharge occurred in November 1995 and cleanup has been completed as of August 2006. For details see the report in Appendix C.
  - Three (3) surrounding properties were found in the LUST list. The closest LUST surrounding property was located at 2901 W. Orange Blossom Trail (Diamond Food Mart, Facility ID 8513126). The report identified a petroleum discharge occurred in July 1990 and cleanup was ongoing. For details of the three (3) LUST surrounding properties, see the report in Appendix C.

- DWM CONTAM
  - The subject site was not on the list.
  - One (1) adjacent property, 2501 W. Orange Avenue, Coca Cola Special Product AST 306, was found in the DWM CONTAM list. See the report in Appendix C for details.
  - One (1) surrounding property, 2901 W. Orange Blossom Trail, Diamond Food Mart, was found in the DWM CONTAM list. See the report in Appendix C for details.

- UST's
  - The site was not found in the UST list.
  - The southern adjacent properties, 2651 and 2659 Orange Avenue (Coca Cola Foods and Coca Cola North America, respectively) were found in the UST list. The report identified the facility was a non-retail user, had a 200-gallon kerosene UST which was removed as of June 1993.
  - Four (4) surrounding properties were found in the LUST list. The closest UST surrounding property was located at 2301 W. Orange Blossom Trail (Citgo Marketplace, Facility ID 8512806). The report identified the facility was a retail station, had three (3) USTs removed, and had one (1) 20,000-gallon UST which was still active.
  - For details of the UST adjacent and surrounding properties, see the report in Appendix C.

- AST's
  - The site was not found in the AST's list.

- ENG CONTROLS
  - The site was not found in the ENG CONTROLS list.

- BROWNFIELDS
  - The site was not found in the BROWNFIELDS list.

- VCP
  - The site was not found in the VCP list.
  - No adjacent/surrounding properties were found in the VCP list.
- DRYCLN
  - The subject site was not found in the DRYCLN list.
  - No adjacent/surrounding properties were found in the DRYCLN list.
- DEDB
  - Two (2) properties were identified as being within 0.25 miles of the site but did not identify an exact location.

2. The FDEP maintains petroleum storage systems, Brownfields, and OCULUS internet databases, for storage tank, hazardous waste, waste cleanup, brownfields, and solid waste facilities. The databases were assessed to determine if the site, adjacent, and/or surrounding properties had a file.

- Site -- The FDEP databases had a file for the site which included January 1991 and October 1992 Inspection Reports for the 2560 W. Orange Blossom Trail property. Copies are provided in Appendix G.
  - Facility Name was FL Express Trucking Inc. and had ID's 85513283 and 8944489.
  - 12,000 gallon diesel AST was removed prior to October 1992.
  - 6,000 gallon diesel AST was empty as of January 1991.
- Adjacent Properties -- The FDEP databases had a file for the southeast adjacent property (2659 Orange Avenue, Coca-Cola) for LUST and an AST. Based on information in the file, the apparent ground water flow direction associated with the LUST and AST was reported to be to the southeast.
- Surrounding Properties -- The FDEP databases had a file for the northwest surrounding property (2901 W. Orange Blossom Trail, Diamond Food Mart) for a LUST and an UST. Based on information in the file, the apparent ground water flow direction associated with the LUST and UST was reported to be to the northeast.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

5.2.1 LOCAL

1. The OCEPD monitors and maintains the associated files for storage tank compliance in Orange County. No files existed for the site.

5.2.2 LAND RECORDS

1. Orange County Land Records were not reviewed to determine the activity and use limitations of the site. The Property Appraiser's internet website for the site was reviewed for ownership information and identified the site was owned by Mid-Florida Freezer Warehouses LTD.

5.3 PHYSICAL SETTING SOURCE(S)

5.3.1 U. S. G. S. TOPOGRAPHIC MAP

1. The 2015 U. S. G. S. Apopka, Florida Quadrangle Map (Figure 3) did not show any indication the site or area was developed. The 1960 (Photo-revised 1980) U. S. G. S. Apopka, Florida Quadrangle Map (Figure 3) showed only the following parcels as developed for the site as follows:
    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- Numerous warehouse type buildings.
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Warehouse building.

2. The ground surface elevation of the site and of the area was approximately 125-feet above the MSL.

5.3.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

1. The northwestern portion of Orange County consists of unconsolidated sand with varying lenses/layers of clay.

2. The surficial aquifer (0- to 30- or to 60-feet) is a source of small quantities of water.

3. Ground water from the Floridan Aquifer is the primary source of potable water.

5.4 HISTORICAL USE OF THE SITE

1. The historic uses of the subject site were investigated through the review of aerial photographs, fire insurance maps, property tax files, land title records, U. S. G. S. map, city directories, building department records, and/or zoning use records. The objective is to develop a history of the previous uses of the site to identify the likelihood of past uses having led to REC's that could impact the site.

5.4.1 AERIAL PHOTOGRAPHS

1. Aerial photographs of the subject site and area (Section 06 Township 21, Range 28) were readily available for review on the Orange County Property Appraiser's internet website. Aerial photographs were also obtained from the Florida Department of Transportation and the University of Florida Library internet websites.

2. The aerial photographs provide a means to evaluate the site's land use history and development. Unrecorded REC's, if any, related to the subject site's land use could be reflected in the aerial photographs. A copy of a portion of the 2019, 2009, 2004, 1997, 1984, 1978, 1969, 1954, 1947, and 1939 aerial photographs of the area encompassing the subject site is incorporated into this report in Appendix B.

3. The review of the aerial photographs revealed the following regarding the site conditions:

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
        - 1939 -- Undeveloped with dense tree cover.
        - 1947 -- Undeveloped with the majority of the site cleared of trees.
        - 1954 -- Western portion had an office building and warehouses as viewed during the site visit. Eastern portion was undeveloped and had residential development.
        - 1969 -- Developed with warehouses as viewed during site visit. The eastern portion was absent of any development and a portion appeared to being cleared.

- 1974 to 2001 -- Same as 1969 with some buildings along western border removed.
- 2004 to 2019 -- Same as 2001 with varying amounts of material storage on the eastern portion.

- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 -- Appears to be developed but cannot discern type.
  - 1954 to 2019 -- Developed with residential type building.

- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 -- Appears to be developed but cannot discern type.
  - 1954 to 2019 -- Developed with residential type building.

- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 to 1969 -- Developed with warehouse building along northern border and residential buildings along the eastern boundary (adjacent to Lake View Drive). A citrus grove was noted in the western and southern areas of the parcel.
  - 1974 to 1978 -- Same as 1969 with a new warehouse near the original warehouse.
  - 1984 to 2019 -- Same warehouse buildings shown in 1978. Residential development not present. Citrus grove was declining and changing to natural tree cover.

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 to 2019 -- Developed with a commercial type building.

- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 to 1984 -- Developed with rural residential buildings on eastern portion and a citrus grove was present on the western portion.
  - 1990 to 2017 -- Citrus grove declined and changed into dense natural tree cover with the southeast corner with ground cover.
  - 2019 -- Dense tree cover except for southeast corner which appears to have material stockpiles.

- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160)
  - 1939 -- Undeveloped with dense tree cover.
  - 1947 to 2017 -- Ground cover trending into dense tree cover.
  - 2019 -- Trees cleared and material stockpiles present.

4. No specific REC could be identified from the aerial photographs but the site (2560 W. Orange Blossom Trail, Parcel 06-21-28-7172-02-011) had an operation with extensive commercial/industrial development/use between circa 1954 and 2019.

5.4.2 FIRE INSURANCE MAPS

1. The Sanborn Fire Insurance Maps of Florida were available through EDR but were not developed for this area of Apopka, Florida, to identify the historic land uses and were not reviewed.

5.4.3 PROPERTY TAX FILES

1. The property tax files were not reviewed to identify historic land uses but to identify the current land use and if present associated REC's.

2. The Orange County Property Appraiser's file of the site was reviewed through their internet website. The information obtained for each parcel is provided in Appendix D and is summarized below:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 27.16 acres.
  - Land Use -- Packing plant.
  - Building(s) -- Four (4) warehouses and one (1) commercial office. Buildings were built between 1951 and 1963.
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 0.24 acres.
  - Land Use -- Store/office/residential.
  - Building(s) -- One (1) commercial, built in 1961.
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 0.16 acres.
  - Land Use -- Store/office/residential.
  - Building(s) -- One (1) single farm residence built in 1951.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 1.84 acres.
  - Land Use -- Warehousing.
  - Building(s) -- One (1) warehouse built in 1945 and another warehouse built in 1970.

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 0.52 acres.
  - Land Use -- Retail convenience store.
  - Building(s) -- One (1) commercial built in 1948.
- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 2.52 acres.
  - Land Use -- Vacant industrial.
  - Building(s) -- None.
- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160)
  - Owner -- Mid-Florida Freezer Warehouse, LTD
  - Land Size -- Approximately 0.30 acres.
  - Land Use -- Vacant commercial.
  - Building(s) -- None.

3. The presence of possible REC's on the site could not be determined from the resource's information.

5.4.4 LAND TITLE RECORDS

1. Colella & Associates, Inc., developed the following ownership information from the internet websites of the Orange County Property Appraiser's and the Orange County Clerk of Records files:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - Mid-Florida Freezer Warehouse, LTD
  - Plymouth Citrus Products Cooperative (1988).
  - Florida Gas Transmission Company (1986).
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Mid-Florida Freezer Warehouse, LTD
  - Philip Tatich (2012).
  - Donald Dale Daniels (2009).
  - Lillian Hickerson and Betty M. Sosa (2001).
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - Mid-Florida Freezer Warehouse, LTD
  - Simon G. Bojkovsky, Joseph Bojkovsky, Katherine Trotter, and John Bojkovsky (2011).
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Mid-Florida Freezer Warehouse, LTD

- Philip Tatich (2012).
- Denise Engskow for estate of Sarah Martin (2011).
- Plymouth Citrus Products Cooperative (1986).

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Mid-Florida Freezer Warehouse, LTD
  - Philip Tatich (2012).
  - Jose and Casilda Rodriguez (2012).
  - Fiesta Mercando, Inc. (2006).
  - First Antioch Missionary Baptist Church of Florida, Inc. (2003).
  - Russell and Barbara Unger (1994).
  - Mark Grant (1991).
  - Moten Enterprises, Inc. (1983).
  - J & N Bhandal, Inc. (1983).
  - Sanmukh Thakkar and Harendra Dave (1982).

- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - Mid-Florida Freezer Warehouse, LTD
  - Plymouth Citrus Products Cooperative (1988).

- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160)
  - Mid-Florida Freezer Warehouse, LTD
  - Plymouth Citrus Products Cooperative (1988).
  - Lonie McCafferty (1984).

2. The resource did not provide information of the land use of the site that would indicate the presence of REC's.

5.4.5 U. S. G. S. MAP

1. The 2015 U. S. G. S. topographic map (Figure 2) did not show the status of the property as being developed or undeveloped. The 1960 (Photo-revised 1980) U. S. G. S. topographic map (Figure 3) showed the site as follows. Black symbols indicate presence prior to 1960. Pink symbols indicate presence after 1960.

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - Numerous warehouse buildings (black and pink symbols).
  - Water tank.
  - Residential and church (both black symbols) located in the southeast corner of the parcel.

- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Residential building.

- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - No development shown.

- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Warehouse buildings (black and pink symbols) along northern border (adjacent to Orange Blossom Trail).
  - Residential buildings (black symbols) along the eastern border (adjacent to Lake View Drive).
- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Warehouse building (black symbol).
- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - Residential buildings (black symbols) along eastern border (adjacent to Lake View Drive).
- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160)
  - Residential building (black symbol) along southern border (adjacent to Mayflower Avenue).

2. The map did not provide information regarding the presence of REC's on the site.

5.4.6 STREET DIRECTORIES

1. City directories between 1969 and 2014 were available through EDR (see City Directory report in Appendix C) and were reviewed for the parcels of the site which had the following listings:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - 2014 -- Absolute Storage Products LLC, Absolute Warehouse Services of Florida, and Clarklift of Florida.
  - 2010 -- Associated Hardwoods Inc. and Specialty Timbers.
  - 2005 -- DECO Business.
  - 2000 -- Cady Industries.
  - 1985 -- Plymouth Citrus Products Co-op.
  - 1969, 1976, and 1980 -- Plymouth Citrus Products Co-op.
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - 1969 to 2014 -- Residential.
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - 1969 to 2014 -- Residential.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - 2005, 2010, and 2014 -- Jim Martin Machine Shop.
  - 2000 -- Soil Systems, Inc.
  - 1980 and 1985 -- Soil Systems, Inc. and Jim Martin Machine Shop.
  - 1976 -- G & O Co. Inc. (Metal fabrication)

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - 2014 -- La Parada Mexican Market/Fiesta Mercado.
  - 2010 -- First Antoch Missionary Baptist Church and La Parada Market/Fiesta Mercado.
  - 2005 --Fiesta Mercado.
  - 2000, 2003 -- First Antioch Missionary.
  - 1969, 1976, 1980, and 1985 -- Buzz's Super Market
- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - 1969 to circa 1990 -- No listings.
  - 1990 to 2014 -- Residential listings.

2. The resource identified the site had a citrus processing operation (2560 W. Orange Blossom Trail) and a metal fabrication shop (2322 W. Orange Blossom Trail) which could have operations using chemicals and/or petroleum products but did not provide information that would indicate the presence of REC's.

5.4.7 BUILDING DEPARTMENT RECORDS

1. This resource was not investigated to determine historic land uses of the site.

5.4.8 ZONING RECORDS

1. This resource was not investigated to determine historic land uses of the site.

5.4.9 HISTORICAL USE COMPLETENESS

1. The historical research of the site is complete.

5.5 HISTORICAL USE OF THE ADJACENT/SURROUNDING PROPERTIES

1. The historic uses of the subject area were investigated through the review of aerial photographs, fire insurance maps, property tax files, land title records, U. S. G. S. map, city directories, building department records, and/or zoning use records. The objective is to develop a history of the previous uses of the adjacent and surrounding area to identify the likelihood of past uses having led to REC's that could impact the site.

5.5.1 Aerial Photographs

1. Aerial photographs of the subject site and area (Section 06, Township 21, Range 28) were readily available for review on the Orange County Property Appraiser's internet website. Aerial photographs were also obtained from the Florida Department of Transportation and the University of Florida Library internet websites.

2. The aerial photographs provide a means to evaluate the site's land use history and development. Unrecorded REC's, if any, related to the land uses in the area surrounding the site could be reflected in the aerial photographs. A copy of a portion of the 2019, 2010, 2001, 1997, 1984, 1978, 1969, 1954, 1947, and 1939 aerial photographs of the area of the subject site is incorporated into this report in Appendix B.

3. The review of the aerial photographs revealed the following regarding the adjacent properties to the site:

- North
  - 1939, 1947, 1954 -- Road (current location of W. Orange Blossom Trail), 2-lanes, followed by a citrus grove. In 1954 a portion of the citrus grove was developed but the land use could not be identified.
  - 1969, 1974, 1978 -- Road (current location of W. Orange Blossom Trail), 4-lanes, followed by developed residential and commercial developed properties in the former citrus grove.
  - 1984 to 2019 -- Road (current location of W. Orange Blossom Trail), 4-lanes, followed by undeveloped and/or commercially developed properties.
- South
  - 1939 -- Railroad track followed by a developed property. Site use could not be identified.
  - 1947 -- Same as 1939 with additional commercial (warehouse buildings) development.
  - 1954 -- Same as 1947 with additional commercial (warehouse buildings) development. The southeast adjacent property appeared to have at least two (2) vertical tanks.
  - 1969 to 2019 -- Large commercial development (multiple warehouses and ASTs) as viewed during the site inspection.
- East
  - 1947 -- Road (Lake View Drive) followed by commercially (commercial type building) developed and undeveloped properties.
  - 1954 to 2019 -- Same as 1947 with additional residential developed properties.
- West
  - 1939 -- Commercially developed property with a warehouse type building.
  - 1947 -- Same as 1939 with additional commercial (warehouse buildings) development.
  - 1954 -- Same as 1947.
  - 1969 to 2019 -- Commercial development (warehouse/office).

4. The land uses as viewed from the resource could not identify the potential presence of a REC except for the vertical tanks on the southern adjacent property.

5.5.2 FIRE INSURANCE MAPS

1. The Sanborn Fire Insurance Maps of Florida were available through EDR but were not developed for this area of Apopka, Florida, to identify the historic land uses and were not reviewed.

5.5.3 PROPERTY TAX FILES

1. The property tax files were not reviewed to identify historic land uses on adjacent properties to identify the current land uses and if present associated REC's.

5.5.4 LAND TITLE RECORDS

1. Orange County Land Records were not reviewed to determine the activity and use limitations of the site.

5.5.5 U. S. G. S. MAP

1. The 2015 U. S. G. S. topographic map (Figure 2) did not provide any information of the development/use status of the adjacent/surrounding properties except for the presence of a road (US 441) north of the site.

2. The 1960 (Photo-revised 1980) U. S. G. S. topographic map (Figure 3) provided the following information of the adjacent/surrounding properties:

   - North -- Road (US 441), 4-lanes.
   - South -- Railroad track followed by commercially developed property with large warehouses.
   - East -- Road (Lake View Drive) followed by residentially developed buildings.
   - West -- Commercially developed with large warehouse type buildings.

3. The presence of a REC on the adjacent and surrounding properties could not be discerned from the topographic maps.

5.5.6 STREET DIRECTORIES

1. City directories between 1969 and 2014 were available through EDR (see City Directory report in Appendix C) and were reviewed for the area around the site (2620 W. Orange Blossom Trail or US Highway 441) which had the following listings:

   - 2247 W. Highway 441
     - JAH Works Automotive Inc.
     - Allens Automotive.
     - Central Florida Motor Cars.
     - Namlik's Auto.
     - Noack's Service gas station.
   - 2301 W. Highway 441
     - Citgo (retail gas station and convenience store).
     - Cumberland Farms Food (retail gas station and convenience store).
   - 2551 W. Highway 441
     - H&M Electrical and Underground Utilities.
     - Apopka Truck Brokerage.
   - 2601 W. Orange Blossom Trail
     - Winfield Solutions.
     - Retail Agronomy Solutions LLC.
     - Apopka Plastics (2000).

- 2901 W. Orange Blossom Trail
  - Diamond Oil (2014, 2010).
  - Plymouth Shell Station (1972).
- 2971 W. Orange Blossom Trail
  - Sunoco Food Mart (2014).
  - Happy Foods & Deli (2014, 2010, 2005).
  - Little Food Town (1982, 1977).

2. The presence of a REC on the adjacent and surrounding properties could not be discerned from the listings in the various city directories except for fuel storage/dispensing (2247, 2301, 2901, and 2971 W. Orange Blossom Trail) and the other listings having the potential as a manufacturing operation and/or fuel storage/user.

5.5.7 BUILDING DEPARTMENT RECORDS

1. This resource was not investigated to determine historic land uses of the area.

5.5.8 ZONING RECORDS

1. This resource was not investigated to determine historic land uses of the area.

5.5.9 HISTORICAL USE COMPLETENESS

1. The historical research of the adjacent and surrounding properties is complete and has met the objective.

6.0 SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

1. A site inspection was conducted on August 15 and 21, 2019, by James C. Colella, P. E., of Colella & Associates, Inc. The inspection included a walk-through along the site's boundary lines, within the buildings (the interior of the refrigerated and freezer buildings were not inspected), and various paths across the site. A curb-side reconnaissance of the surrounding area was also conducted in a one-quarter mile radius.

2. Emphasis of the site inspection was placed on locating storage tanks, electrical equipment containing Polychlorinated Biphenyl (PCBs) dielectric fluid, waste disposal practices and/or chemical usage throughout the site. Additionally, surface water conditions, stressed vegetation, point and non-point sources of wastewater discharge, waste disposal areas, and other areas of environmental concern were identified and inspected, if present. Notes were recorded during all phases of the field site inspection and photographs (Appendix A) were taken to document the site conditions and areas of interest related to potential REC's and/or REC's.

3. The performance of the Phase I ESA cannot wholly eliminate the uncertainty regarding the potential existence of REC's on the subject site. The site's limiting conditions which could cover a REC included grass/vegetation, buildings, asphalt and concrete pavements, vehicles, and storage containers.

4. Colella & Associates, Inc.'s methodology to address the presence of a REC within any of these limiting conditions included reviewing historic aerial photographs and interviewing those individuals knowledgeable of the site.

6.2 GENERAL OBSERVATIONS

1. The site was located adjacent to commercially and residentially developed properties along W. Orange Blossom Trail and Lake View Drive in Apopka, Florida. The site conditions of each parcel as noted during the site inspection consisted of the following:

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
        - The parcel had an irregular shape with a northwest-southeast alignment.
        - Access was from W. Orange Blossom Trail and Mayflower Avenue.
        - Four (4) large concrete block warehouse buildings (dry, refrigerated, and freezer) with multiple units.
        - Stand-alone office building.
        - Cyclone fenced around the entire parcel.
        - Emergency generator.
        - Fuel AST (~200-gallons) in a concrete secondary containment.
        - Fuel AST (~1,000-gallons) in a metal secondary containment.
        - Outside storage of wood products.
        - Scrap metal and mercury lamps with fixtures located near the western portion of the site.
        - Two (2) used refrigeration oil ASTs on a concrete slab located on the west side of the western warehouse (Warehouses N, O, and P).

- Tire recycling (McGee Tire) within a cyclone fenced area in the eastern portion of the parcel.
- Northeastern portion of the parcel was undeveloped with ground cover.
- Irrigation well.
- Storm water drop inlets were noted throughout the parcel.
- There was no evidence of illegal dumping of any waste materials on the site.
- Pad mounted transformer was noted near the office building.
- Railroad spur line was noted along southern boundary.

- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Residential building converted into office (realtor) and retail (Vertical Blinds) units.
  - Water supply well.
  - Cyclone fenced was noted around the entire boundary.
  - There was no evidence of illegal dumping of any waste materials on the site.
  - Storm water drains to W. Orange Blossom Trail and/or infiltrates.

- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - Residential building.
  - Water well.
  - Cyclone fenced was noted around the entire boundary.
  - There was no evidence of illegal dumping of any waste materials on the site.
  - Storm water drains to W. Orange Blossom Trail and/or infiltrates.

- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Two (2) warehouse buildings (metal and concrete block) were located near the northern portion. Concrete block warehouse was vacant. Metal warehouse was occupied by Ron's Audio (audio equipment installation into vehicles).
  - Asphalt pavement.
  - Cyclone fenced around entire boundary and separating the southern dense tree cover portion.
  - 5-gallon containers of unknown content were noted between the concrete block and metal warehouses.
  - There was no evidence of illegal dumping of any waste materials on the site.
  - Storm water drains to W. Orange Blossom Trail and/or infiltrates.

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Commercial building (La Parada Mexican Market).
  - Asphalt pavement.
  - Sewage lift station was noted in the southern portion.
  - There was no evidence of illegal dumping of any waste materials on the site.
  - Water well system.
  - Storm water drains to W. Orange Blossom Trail and Lake View Drive or infiltrates.

- Lake View Drive (Parcel No. 06-21-28-7180-07-100)
  - Dense natural tree cover.
  - There was no evidence of illegal dumping of any waste materials on the site.
  - Temporary construction storage/working yard. Contractor working on Orange Blossom Trail using southern portion of the parcel. No tanks were visible. Refueling of equipment was noted from a contracted fueling truck.
  - Storm water infiltrates.
- 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160)
  - Temporary construction storage/working yard. Contractor working on Orange Blossom Trail using parcel. No tanks were visible. Refueling of equipment was noted from a contracted fueling truck.
  - Storm water infiltrates.

6.3 EXTERIOR OBSERVATIONS

6.3.1 HAZARDOUS SUBSTANCES/MATERIALS

1. Hazardous substances/materials, as defined by the Resource Conservation and Recovery Act (RCRA), were noted during the site inspection on August 15 and 21, 2019, as follows:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - Drums of concrete sealer in the western warehouse (Warehouse N, garage door lessee). Safety data sheet was not provided to confirm hazardous classification.
  - Drums and containers of various materials in the western warehouse (Warehouse O).
  - Used mercury lamps on concrete slab near the western boundary.
  - Totes of new chemical products stored in dry storage warehouse.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Limited number of small containers of unknown contents.
- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Limited number of small containers of vehicle service/maintenance products for purchase.

6.3.2 PETROLEUM PRODUCTS

1. Petroleum products were noted during the site inspection on August 15 and 21, 2019, as follows:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - New and used refrigeration oil.
  - Gasoline (200-gallon AST, emergency generator, small containers for grounds maintenance equipment).
  - Diesel (~150-gallon) AST in Fire Pump House 1 supporting fire water pump.
  - Diesel (~1,000-gallon) AST in secondary containment near Fire Pump House 1.
  - Drums of oil (new and used) associated with the maintenance of refrigeration equipment.

- McGee Tire operation -- Numerous tractor trailers/trucks (diesel fuel tanks) and limited new motor oil and antifreeze.

- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Limited gasoline for lawn maintenance equipment.

- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Large tote of used motor oil (~275-gallons).
  - Large tote of used anti-freeze (less than 50-gallons).

- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Limited quantity of small containers of vehicle service maintenance products for purchase.

6.3.3 STORAGE TANKS

1. Petroleum storage tanks were only noted on 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) during the inspection on August 15 and 21, 2019, as follows:

   - Used oil ASTs (2) located on the west side of the western warehouse (Warehouses N, O, and P).
   - Gasoline AST in concrete secondary containment located west of the office building.
   - ~1,000-gallon AST in metal secondary containment located near Fire Pump House 1.
   - Diesel AST (~150-gallons) located in Fire Pump House 1.
   - Emergency generator (self-contained tank).

6.3.4 ODORS

1. No odors were noted on the site during the site inspection on August 15 and 21, 2019.

6.3.5 POOLS OF LIQUIDS

1. No pools of liquid were noted on the site during the site inspection on August 15 and 21, 2019.

6.3.6 DRUMS

1. Drums were only noted on 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) during the site inspection on August 15 and 21, 2019, as follows:

   - New and used refrigeration oil.
   - Concrete sealer (~20-drums).
   - Miscellaneous wastes/materials associated with the Mid-Florida Freezer Warehouse operation.

6.3.7 HAZARDOUS WASTES AND/OR UNIDENTIFIED SUBSTANCES/CONTAINERS

1. Containers of unidentified unused products, wastes, and/or hazardous wastes were noted during the site inspection on August 15 and 21, 2019, in the western warehouse on 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) and 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031).

6.3.8 PCBs

1. No equipment that could have PCB oil was noted on the site inspection on August 15 and 21, 2019, except for a pad-mounted and pole-mounted transformers owned by Duke Power.

6.3.9 PITS, PONDS, OR LAGOONS

1. No pits, ponds, and/or lagoons were noted on the site during the site inspection on August 15 and 21, 2019.

6.3.10 STAINED SOIL/PAVEMENT

1. No significant soil staining was noted during the site inspection on August 15 and 21, 2019.

6.3.11 STRESSED VEGETATION

1. No stressed vegetated areas were noted during the site inspection on August 15 and 21, 2019.

6.3.12 SOLID WASTE

1. No significant solid waste was noted during the site inspection on August 15 and 21, 2019.

6.3.13 WASTEWATER

1. No wastewater was generated during the site inspection on August 15 and 21, 2019.

6.3.14 WELLS

1. No ground water monitoring wells were noted on the site during the site inspection on August 15 and 21, 2019. A fire suppression water supply well was noted on 2560 W. Orange Blossom Trial. Each parcel of the site had an irrigation water well except for the 2323 Mayflower Avenue and the Lake View Drive parcels.

6.3.15 SEPTIC SYSTEMS

1. Septic system features were not visible but were reported to be on the following parcels of the site inspection on August 15 and 21, 2019.

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- two (2), one on the east and west sides of the office building.
    - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070).
    - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)

6.3.16 OTHER CONDITIONS OF CONCERN

1. During the site inspection, the following observations were made regarding other conditions of possible concern:

    - Drainage Paths -- The site was developed and undeveloped to drain storm water to the drop inlets and underground sewer system and/or to W. Orange Blossom Trail and Lake View Drive.
    - Railroads -- A railroad spur line exists along the southern boundary.
    - Heavy Equipment -- Road construction equipment was being stored on 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) and the southeast corner of Lake View Drive (Parcel No. 06-21-28-7180-07-100).
    - Landfills, Dumping or Burial Activities -- No dumping and/or burial activities were noted.

- Monitoring Wells or Remedial Activities -- None were observed.
- Chemical Spills/Releases -- None were observed.
- Evidence of Ground and/or Surface Water Impacts -- None were observed.
- Oil/Gas Well Exploration, Production/Refinery Activities -- None were observed.

6.4 INTERIOR OBSERVATIONS

1. The following present the internal observations were made of the building(s) on each respective parcel of the site on August 15 and 21, 2019:

- 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011)
  - Dry storage warehouses -- painted concrete block walls with open roof system.
  - Refrigerated warehouses -- Interior of the warehouses were not inspected.
  - Office building -- painted wallboard walls, suspended ceilings, ceramic tile flooring, and carpet.
- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070)
  - Walls -- wallboard.
  - Ceiling -- wallboard, pop-corn ceiling coating.
  - Flooring -- carpet, ceramic tile, and vinyl flooring.
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050)
  - Walls -- wallboard.
  - Ceiling -- wallboard, pop-corn coating, plaster.
  - Flooring -- carpet, ceramic tile, and vinyl flooring.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031)
  - Concrete block warehouse.
    - Walls -- Concrete block. Interior walls were concrete block and wallboard.
    - Ceiling -- Roof structure.
    - Flooring -- Concrete and vinyl flooring.
  - Metal warehouse.
    - Walls -- Metal. Interior offices had wallboard.
    - Ceiling -- Roof structure.
    - Flooring -- Concrete.
- 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010)
  - Walls -- Wallboard.
  - Ceiling -- Wallboard.
  - Flooring -- vinyl.

6.5 BUSINESS ENVIRONMENTAL RISKS

1. During the site inspection on August 15 and 21, 2019, the presence of business environmental risks, suspect asbestos containing materials (ACM's) and lead-based paint (LBP), were assessed as follows.

    - 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011) -- Suspect ACMs (pipe wrapping, wallboard, joint compound, vinyl flooring, and caulking around windows/doors) and suspect LBP surfaces (interior and exterior).
    - 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Suspect ACMs (wallboard, joint compound, window/door caulking, and pop-corn ceiling coating) and suspect LBP surfaces (interior and exterior).
    - 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Suspect ACMs (wallboard, joint compound, window/door caulking, and pop-corn ceiling coating) and suspect LBP surfaces (interior and exterior).
    - 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Suspect ACMs (wallboard, joint compound, ceiling tile, flooring/mastic, and window/door caulking) and suspect LBP surfaces (interior and exterior).
    - 2300 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-010) -- Suspect ACMs (wallboard, joint compound, vinyl flooring, and window/door caulking,) and suspect LBP surfaces (interior and exterior).
    - Lake View Drive (Parcel No. 06-21-28-7180-07-100) -- No concerns.
    - 2323 Mayflower Avenue (Parcel No. 06-21-28-7180-07-160) -- No concerns.

6.6 SITE PLAN

1. A site plan is provided as Figure 4.

6.7 ADJACENT PROPERTIES

1. During the site inspection on August 15 and 21, 2019, the adjacent properties were viewed to identify the land uses and observe any REC's that could impact the site. The adjacent properties' land uses and potential REC's included:

    - North -- W. Orange Blossom Trail (4-lanes with median) followed by undeveloped and commercially developed properties (Citgo retail gas/convenience store, Garage Autos, Inc., Perfect Car Corp. (used cars sales), Best Automotive (used car sales), Dayspring Church, H&M Electrical & Utilities Contractor, Getsemani Temple, Winfield Solutions, and TNT Rental). No obvious REC's were observed from the curd-side inspection.
    - South -- Railroad track followed by a commercially developed (warehouse type buildings) properties (Minute Maid and Coca-Cola). No obvious REC's were observed from the curd-side inspection. Some staining along the railroad tracks was noted.
    - East -- Lake View Drive followed by residential properties. No REC's were observed from the curd-side inspection.
    - West -- Commercially developed property (Herc Rentals). No REC's were observed from the curd-side inspection.

7.0 INTERVIEWS

1. During the performance of the Phase I ESA, Colella & Associates, Inc., attempted to interview various individuals (owner, site manager, occupants, local government officials, and/or others) to understand the land use of the site.

7.1 OWNER

1. Mr. Patrick Lee representing the owner, Mid-Florida Freezer Warehouses, LTD., was interviewed and provided the following information:

- Site Acres -- Total is between 33- and 35-acres.
- Purchased Site -- Each parcel of the site was purchase over a period of time. The Mid-Florida Freezer Warehouses operation parcel (2560 W. Orange Blossom Trail) was purchased in 1988. All other were purchased between 1988 and 2012.
- Land Use Prior to Purchased
  - Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail) -- Former Plymouth Citrus Processing Facility. Property was vacant of activity from 1983.
  - Parcel No. 06-21-28-7180-09-070 (2428 W. Orange Blossom Trail) -- Retail.
  - Parcel No. 06-21-28-7180-09-050 (2424 W. Orange Blossom Trail) -- Vacant residential.
  - Parcel No. 06-21-28-7180-07-031 (2322 W. Orange Blossom Trail) -- Vacant when purchased (former machine shop).
  - Parcel No. 06-21-28-7180-07-010 (2300 W. Orange Blossom Trail) -- Mexican market.
  - Parcel No. 06-21-28-7180-07-100 (Lake View Drive) -- Vacant and undeveloped.
  - Parcel No. 06-21-28-7180-07-160 (2323 Mayflower Avenue) -- Vacant and undeveloped.
- Current Land Uses
  - Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail) -- Dry and refrigerated/freezer storage facility (Mid-Florida Freezer Warehouses), McGee Tire (used tire recycling), and undeveloped area. Florida Express Trucking (refrigerated and flatbed trucks) operated from the property for a short period of time.
  - Parcel No. 06-21-28-7180-09-070 (2428 W. Orange Blossom Trail) -- Retail (Vertical Blinds) and office (realtor).
  - Parcel No. 06-21-28-7180-09-050 (2424 W. Orange Blossom Trail) -- Occupied residential.
  - Parcel No. 06-21-28-7180-07-031 (2322 W. Orange Blossom Trail) -- Ron's Audio (metal warehouse) and concrete block warehouse (vacant).
  - Parcel No. 06-21-28-7180-07-010 (2300 W. Orange Blossom Trail) -- Mexican market.
  - Parcel No. 06-21-28-7180-07-100 (Lake View Drive) -- Northern portion vacant and undeveloped, southern portion cleared and used by a contractor as a temporary construction yard.

  - Parcel No. 06-21-28-7180-07-160 (2323 Mayflower Avenue) -- Northern portion vacant and undeveloped, southern portion cleared and used by a contractor as a temporary construction yard.

- Site Development -- No major additions. Some buildings in the western portion of the 2560 W. Orange Blossom Trail parcel were removed.
- Monitoring Wells -- None.
- AST's -- Only aware of ASTs on 2560 W. Orange Blossom Trail (Parcel No. 06-21-28-7172-02-011).
  - ~200-gallon gasoline AST (west of office) in concrete secondary containment used for on-site equipment. Filled approximately three (3) times a year. No known over-fills and/or releases from fuel truck.
  - ~150-gallon diesel AST in Fire Pump House 1. Fueled on a regular basis as fire pump system tested routinely. No known over-fills and/or releases from fuel truck.
  - ~1,000-gallon AST in metal fabricated secondary containment, located near Fire Pump House 1. Is not being used, but may contain some gasoline.
  - ~500- and ~200-gallon used refrigeration oil ASTs located on west side of the west warehouse. Disposed off-site by a contracted service on a regular basis.
- UST's -- None known except for septic tanks.
- Emergency Generator -- Inactive. Self-contained fuel tank. Uncertain if it still has fuel.
- Drums -- Concrete sealer and other wastes/materials in western warehouse.
- Environmental Liens -- Not aware of any.
- Environmental Violations -- Not aware of any.
- Unusual Materials (drums, containers, debris) Discovered on the Site -- Not aware of any.
- Grounds Maintenance -- Respective lesser and Mid-Florida Freezer Warehouse personnel.
- Electrical Service -- Duke Energy.
- Storm Water Drainage -- Storm water drains off-site from 2560 W. Orange Blossom Trial to Holt Lake (located south of the site). On the other parcels, storm water drains to W. Orange Blossom Tail, Lake View Drive, and/or infiltrates
- Vehicle Maintenance -- None. Contracted fork-lift service. All wastes removed after service.
- Railroad Incidents -- No knowledge of any spills/releases from the active railroad line.
- Asbestos Survey or Abatement -- None performed or conducted.

7.2 SITE MANAGER

1. The site manager, Jeannette Acosta, was interviewed and provided the following information:

   - Associated with the site since 2008.

- Asbestos Survey or Abatement -- Performed survey on flooring in the office building on 2560 W. Orange Blossom Trail prior to removing and installing ceramic tile. Flooring did not contain asbestos.
- Out-parcel Properties -- None of tenants had large quantity of chemical/petroleum products.
- No known fuel spills/releases.

7.3 OCCUPANTS

1. A representative from the following parcels of the site was interviewed and provided the following information:

- 2428 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-070) -- Realtor and Vertical Blinds
  - No tanks.
  - Water well.
  - No chemical/petroleum products except for fuel for grounds maintenance equipment.
- 2424 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-09-050) -- Residential
  - No tanks.
  - Water well not operating.
  - No chemical/petroleum products except for fuel for grounds maintenance equipment.
- 2322 W. Orange Blossom Trail (Parcel No. 06-21-28-7180-07-031) -- Ron's Audio
  - Used oil and used anti-freeze totes left from previous tenant.
  - Limited chemical products (1-gallon containers or smaller) for use in installation of audio equipment into vehicles.
  - A garage in the metal warehouse was being used for vehicle body work, no painting.
  - Water obtained from water well on the adjacent eastern property, 2300 W. Orange Blossom Trail.

7.4 GOVERNMENT AGENCIES

1. The following agencies were contacted and provided the following information:

- Orange County EPD.
  - No files existed for the site.
- Central District FDEP, Ground Water -- FDEP OCULUS website.
  - Files existed for the site.
- Central District FDEP, Tanks -- Internet website and FDEP OCULUS website.
  - Files existed for the site.
- Central District FDEP, Hazardous Waste Compliance -- FDEP OCULUS website.
  - No files existed for the site.

7.5 OTHERS

1. No others were interviewed:

8.0 FINDINGS

1. Colella & Associates, Inc., performed a Phase I ESA of the site to determine if the subject site has been environmentally impacted due to current or previous on-site operations and/or by activities on adjacent and surrounding properties. Our findings regarding REC's, HREC's, CREC's and/or de-minimus conditions on the site and adjacent and surrounding properties, and business environmental risks are presented below.

1.1 REC's -- CURRENT LAND USES

1. The site was developed and has commercial (retail, warehouse storage, and office) and residential land uses as follows:

   - 2560 W. Orange Blossom Trail -- Mid-Florida Freezer Warehouses LTD (dry, refrigerated, and freezer warehouse storage). Fuel and used oil ASTs were noted. Drums of various wastes and unused products were noted in the western warehouse. Totes of new chemical products for eventual sale were noted in a dry storage warehouse. Used mercury lamps and fixtures were noted near the western boundary. No evidence of a release and/or spill was noted near any of these areas.
   - 2428 W. Orange Blossom Trail -- Realtor and Vertical Blinds. There was no evidence of an environmental concern.
   - 2424 W. Orange Blossom Trail -- Residential. There was no evidence of an environmental concern.
   - 2322 W. Orange Blossom Trail -- Ron's Audio. Two (2) totes (used oil and used antifreeze) were noted in the metal warehouse. There was no evidence of spills and/or releases around the totes. Small containers (5-gallon) of unknown contents were noted between the concrete block and metals warehouses.
   - 2300 W. Orange Blossom Trail -- La Parada Mexican Market. Limited quality of small containers of vehicle maintenance products were available for purchase. There was no evidence of spills and/or releases.
   - The undeveloped parcels (Lake View Drive and 2323 Mayflower Avenue) of the site did not have conditions that could cause an environmental concern.

2. Based on the findings, the adjacent properties were commercially developed to the north, south, and west with no obvious or identified operations that could cause an environmental concern to the site. The eastern adjacent properties were residential. The southern adjacent property (Coca-Cola) had 1) a 50,000-gallon fuel AST and contaminated soil removed in 1995 and a "No Further Action" determination was approved by the FDEP and 2) a LUST (200-gallon UST for kerosene) was removed and the area remediated by 2006. In the regulatory database (Appendix C), the release noted was from the AST not an LUST. Northern surrounding properties had retail fuel storage/dispensing operations. The apparent ground water flow direction was reported in associated assessment reports to be to the northeast north of the site and to the southeast, south of the site.

3. Based on the findings, the surrounding properties had environmental concerns associated with fuel storage and contaminated groundwater. The apparent ground water flow direction was reported in associated assessment reports to be to the northeast on the northern surrounding properties and to the southeast on the southern surrounding properties.

8.2 REC's -- HISTORIC LAND USES

1. Based on the information obtained and reviewed through the performance of the Phase I ESA, the site had the following various historic land uses.

    - 2560 W. Orange Blossom Trail -- Plymouth Citrus Products Cooperative (developed and operated as a citrus fruit processing facility) between mid-1940 and mid-1980. Regulatory files indicated a trucking business (Florida Express Trucking) operated between late-1980 and mid-1990, and had fuel ASTs (6,000- and 12,000-gallon).
    - 2428 W. Orange Blossom Trail -- Residential and retail.
    - 2424 W. Orange Blossom Trail -- Residential.
    - 2322 W. Orange Blossom Trail -- Machine shops between circa 1976 and circa 2014, and citrus grove.
    - 2300 W. Orange Blossom Trail -- Market and religious facility.
    - Lake View Drive -- Residential and citrus grove.
    - 2323 Mayflower Avenue -- Residential.

2. Based on the information obtained and reviewed through the performance of the Phase I ESA, the southern and western adjacent properties appeared to be commercially developed with large warehouses. The northern adjacent properties included a road (current W. Orange Blossom Trail) followed by commercial and residential developed properties and citrus groves. No obvious conditions, documented releases, and/or identified operations were apparent that could impact the site.

2. Based on the information obtained and reviewed through the performance of the Phase I ESA, the surrounding properties had commercial development (retail fuel stations) that could have REC's. No obvious conditions, documented releases, and/or identified operations were apparent that could impact the site.

8.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC's)

1. Based on the information obtained and reviewed through the performance of the Phase I ESA, a CREC was not identified on the site.

2. Based on the information obtained and reviewed through the performance of the Phase I ESA, a CREC was not identified on the adjacent properties.

3. Based on the information obtained and reviewed through the performance of the Phase I ESA, a CREC was not identified on the surrounding properties.

8.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HREC's)

1. Based on the information obtained and reviewed through the performance of the Phase I ESA, a HREC was not identified on the site.

2. Based on the information obtained and reviewed through the performance of the Phase I ESA, a HREC was identified on the southern adjacent property (2659 W Orange Avenue, Coca-Cola) associated with the former AST's (fuel and mineral acid).

3. Based on the information obtained and reviewed through the performance of the Phase I ESA, a HREC was identified on a surrounding property.

8.5 ON-SITE DE-MINIMUS CONDITIONS

1. Based on observations during the site inspection, de-minimus conditions for the current land use conditions did not exist except for localized oil stained areas on the asphalt pavements on the associated parcels.

8.6 BUSINESS ENVIRONMENTAL RISKS

1. Business environmental risks were assessed and the findings were as follows regarding the potential to be a business risk and/or cause a REC to the site through the business activity and/or presence:

    - Current On-Site Business Activity
        - 2560 W. Orange Blossom Trail -- Fuel is stored/used and used refrigeration oil is generated and stored in ASTs.
        - 2428 W. Orange Blossom Trail -- No concern.
        - 2424 W. Orange Blossom Trail -- No concern.
        - 2322 W. Orange Blossom Trail -- Totes of used oil and used antifreeze left from previous tenant.
        - 2300 W. Orange Blossom Trail -- No concern.
        - Lake View Drive -- Temporary construction yard (equipment and material storage) for a road contractor.
        - 2323 Mayflower Avenue -- Temporary construction yard (equipment and material storage) for a road contractor.
    - Historic On-Site Business Activity
        - 2560 W. Orange Blossom Trail -- Citrus fruit processing plant with fuel storage/use and used refrigeration oil storage.
        - 2428 W. Orange Blossom Trail -- No concern.
        - 2424 W. Orange Blossom Trail -- No concern.
        - 2322 W. Orange Blossom Trail -- Citrus grove.
        - 2300 W. Orange Blossom Trail -- No concern.
        - Lake View Drive -- No concern.
        - 2323 Mayflower Avenue -- No concern.
    - Current Adjacent Properties' Business Activity -- Retail and non-retail fuel users.
    - Historic Adjacent Properties' Activity -- Uncertain as the southern adjacent properties had extensive commercial/industrial development. Retail fuel users on properties north of W. Orange Blossom Trail.

2. In addition to business activity concerns, business environmental risks include construction materials containing asbestos and/or lead. Through information obtained, all the buildings on the site were built prior to 1980. Accordingly, our findings are:

   - ACMs
     - 2560 W. Orange Blossom Trail -- Wallboard/joint compound, flooring, ceiling tiles, window/door caulking, and pipe wrap insulation.
     - 2428 W. Orange Blossom Trail -- Wallboard/joint compound, flooring, window/door caulking, and popcorn ceiling coating.
     - 2424 W. Orange Blossom Trail -- Wallboard/joint compound, flooring, window/door caulking, and popcorn ceiling coating.
     - 2322 W. Orange Blossom Trail -- Wallboard/joint compound, flooring/mastic, and window/door caulking.
     - 2300 W. Orange Blossom Trail -- Wallboard/joint compound, window/door caulking, and flooring.
     - Lake View Drive -- None, undeveloped and no construction debris stockpiles.
     - 2323 Mayflower Avenue -- None, undeveloped and no construction debris stockpiles.
   - Lead-Based Paint (LBP) -- The buildings on the site had painted surfaces (interior and exterior).

9.0 OPINION

1. Colella & Associates, Inc., performed a Phase I ESA of the site and presented our findings in Section 8.0. Based on the findings, the following are Colella & Associates, Inc.'s opinions regarding the current REC's, CREC's, HREC's, de-minimus conditions for the site, and adjacent and surrounding properties. In addition, our opinion of the business environmental risks is presented for the site's building.

9.1 REC's -- CURRENT LAND USES

1. Based on the Phase I ESA findings, our opinion of a REC for the current land use of each parcel of the site follows:

   - 2560 W. Orange Blossom Trail -- No evidence was observed or found that a release has occurred. Fuel ASTs were in secondary containment or inside a building to minimize a potential release to the environment. Drums and totes were located within warehouses on concrete floors minimizing the potential impact to the environment. Used mercury lamps and fixtures were being stored on a concrete slab. Proper management and/or use of the ASTs, drums, and totes must be maintained. The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - 2428 W. Orange Blossom Trail -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - 2424 W. Orange Blossom Trails -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - 2322 W. Orange Blossom Trail -- No evidence was observed or found that a release has occurred. Totes were located within the metal warehouse on concrete floor minimizing the potential impact to the environment. The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - 2300 W. Orange Blossom Trail -- Retail sale of a limited quantity of small volume containers of petroleum and chemical products. The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - Lake View Drive -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
   - 2323 Mayflower Avenue -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.

2. Based on the findings, no REC's have been identified on the current adjacent properties' land uses. The available information and observations of the current adjacent properties' land uses have not identified a condition to cause a significant threat to the site. Ground water flow was identified to be to the southeast on the southern adjacent property. Even though no REC or material threats have been identified, the properties are active businesses with uncertain operations.

3. Based on the findings, REC's have been identified on the current surrounding properties' land uses. The available information provided adequate justification that the current land uses have not identified any condition to cause a

significant threat to the site. Ground water flow was identified to be to the southeast on the southern adjacent property and to the northeast on the northern surrounding properties. Even though no REC or material threats have been identified, the properties are active businesses with uncertain operations.

9.2 REC's -- HISTORIC LAND USES

1. Based on the Phase I ESA findings, our opinion of a REC for the historic land use of each parcel of the site follows: Based on the findings, fuel storage (ASTs in secondary containment or within a building) and refrigeration oil use have been identified from the historic land uses of the site. The available information did not provide adequate justification that could present a condition to cause a significant threat to the site.

    - 2560 W. Orange Blossom Trail -- Fuel storage and used refrigeration oil storage. No evidence was observed or found that a release has occurred. The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - 2428 W. Orange Blossom Trail -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - 2424 W. Orange Blossom Trails -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - 2322 W. Orange Blossom Trail -- No evidence was observed or found that a release has occurred. Totes were located within the metal warehouse on concrete floor minimizing the potential impact to the environment. The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - 2300 W. Orange Blossom Trail -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - Lake View Drive -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.
    - 2323 Mayflower Avenue -- The available information provided adequate justification that the current land use does not appear to present a condition to cause a significant threat to the site.

2. Based on the findings, no REC's have been identified from the resources reviewed on the adjacent properties historic land uses, however, the southern and western adjacent properties were heavily developed with commercial and/or industrial operations with active businesses. In addition, an active railroad track was located along the site's southern boundary. The available information of the historic adjacent properties' land uses does not indicate the presence of a REC but the land uses could have the potential of having a REC which could present a condition to cause a significant threat to the site.

3. Based on the findings, REC's have been identified on the historic surrounding properties' land uses. The available information provided adequate justification that the historic land uses do not appear to present a condition to cause a significant threat to the site but the land uses could have the potential of having a REC which could present a condition to cause a significant threat to the site.

9.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC's)

1. The site has no REC's from CREC's as none were identified on the site.

2. The site has no concerns from the adjacent properties' CREC's as none were identified.

9.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HREC's)

1. The site does not have a HREC.

2. The site has no concerns from the southeastern adjacent property's HREC.

9.5 ON-SITE DE-MINIMUS CONDITIONS

1. De-minimus conditions for the current land use were limited to localized oil stained areas on the asphalt pavement.

9.6 BUSINESS ENVIRONMENTAL RISKS

1. Business environmental risks were assessed and the findings were as follows regarding the potential to be a business risk and/or cause a REC to the site through the business activity and/or presence:

    - Current On-Site Business Activity

        - 2560 W. Orange Blossom Trail -- Fuel is stored/used and used refrigeration oil is generated and stored in ASTs. No concern with continued proper management.
        - 2428 W. Orange Blossom Trail -- No concern.
        - 2424 W. Orange Blossom Trail -- No concern.
        - 2322 W. Orange Blossom Trail -- Totes of used oil and used antifreeze left from previous tenant. No concern with continued proper management.
        - 2300 W. Orange Blossom Trail -- No concern.
        - Lake View Drive -- Temporary construction yard (equipment and material storage) for a road contractor. De minimus conditions may exist from construction equipment.
        - 2323 Mayflower Avenue -- Temporary construction yard (equipment and material storage) for a road contractor. De minimus conditions may exist from construction equipment.

    - Historic On-Site Business Activity

        - 2560 W. Orange Blossom Trail -- Citrus fruit processing plant with fuel storage/use and used refrigeration oil storage.
        - 2428 W. Orange Blossom Trail -- No concern.
        - 2424 W. Orange Blossom Trail -- No concern.
        - 2322 W. Orange Blossom Trail -- Citrus grove. No concern as pesticide/fungicide storage and/or mixing area was not noted.
        - 2300 W. Orange Blossom Trail -- No concern.
        - Lake View Drive -- No concern.
        - 2323 Mayflower Avenue -- No concern.

- Current Adjacent Properties' Business Activity -- Commercial/industrial operations are present but no obvious concerns.
- Historic Adjacent Properties' Business Activity -- Commercial/industrial operations were present but no obvious concerns have been identified from the resources reviewed.

2. The findings of the environmental business risks associated with ACM and/or lead were as follows:
   - ACM -- As the buildings of the site were built prior to the ban of asbestos (1980), various construction materials of the buildings have suspect ACMs.
   - Lead-Based Paint (LBP) -- All the buildings on the site have painted surfaces (interior and exterior) and they were built prior to the ban on LBP (1980).

9.7 VAPOR MIGRATION

1. Based on the Tier I Screen Guidance of ASTM E 2600-10 for vapor intrusion, the generally acceptable area of concern for petroleum hydrocarbon releases is within 600-feet and for solvent releases is within 1,760-feet of the site. Our opinion of the vapor migration concern is summarized below:
   - Site -- No concern as potential vapor sources have not and do not exist.
   - Adjacent Properties -- No concern as potential vapor sources have not and do not exist.
   - Surrounding Properties -- No concern as potential vapor sources have not and do not exist within 600-feet of the site.

10.0 CONCLUSIONS

1. Colella & Associates, Inc., performed a Phase I ESA of the site and presented our findings in Section 8.0. Based on the findings, the following conclusions regarding current REC's, CREC's, and vapor migration are presented below for the site, and adjacent and surrounding properties.

10.1 REC's -- CURRENT LAND USES

1. Based on the findings, no REC's have been identified from the current land uses of the site.

2. Based on the findings, no REC's have been identified on the current adjacent properties' land uses.

3. Based on the findings, REC's (LUST properties) have been identified on the current surrounding properties' land uses.

10.2 REC's -- HISTORIC LAND USES

1. Based on the findings, no REC's have been identified from the historic land uses of the site.

2. Based on the findings, no REC's from the historic land uses of the adjacent properties have been identified but the potential of a REC could exist. Based on the apparent ground water flow direction, the site is up-gradient to any of the properties that may have operations to cause an environmental concern.

3. Based on the findings, REC's (LUST properties at a distance from the site) have been identified on the historic surrounding properties' land uses. Based on the available resources, the surrounding commercially developed properties do not have a documented REC but appear to have conditions that could have present a potential REC. Based on the apparent ground water flow direction, the site is up-gradient to any of the properties that may have operations to cause an environmental concern.

10.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC's)

1. A CREC was not identified on the site.

2. A CREC was not identified on the adjacent properties.

10.4 VAPOR MIGRATION

1. Based on the findings, vapor migration does not appear to exist from operations on the site, and adjacent and surrounding properties.

11.0 DEVIATIONS

1. Colella & Associates, Inc., performed a Phase I ESA of the site in accordance with the ASTM Standard E 1527-13.

11.1 DELETIONS

1. There were no deletions from the ASTM Standard.

11.2 ADDITIONS -- NON-SCOPE CONSIDERATIONS

1. There were no additions to the ASTM Standard.

12.0 ADDITIONAL SERVICES

1. No additional services were requested.

13.0 REFERENCES

1. Reference materials used to assess the site for REC's included the following:

- Aerial photographs of Orange County (Section 06, Township 21, Range 28) from the Florida Department of Transportation internet website.
- Aerial photographs were obtained from the Orange County's Property Appraiser's internet web-page.
- Aerial photographs were obtained from the University of Florida Library's Aerial Photography of Florida internet web-page.
- Orange County Clerk of Courts internet website files.
- FDEP OCULUS database internet website.
- Orange County Property Appraiser internet website files.
- U. S. Fish & Wildlife Service's National Wetlands Inventory internet website.
- National Flood Insurance Program Flood Insurance Rate Map.
- 1960 (Photo-revised 1980) U. S. G. S. Apopka, Florida, Quadrangle Map.
- 2015 U. S. G. S. Apopka, Florida, Quadrangle Map.
- EDR City Directory Image Report of selected Polk City Directories between 1969 and 2014, prepared by Environmental Data Resources, Inc., dated August 13, 2019
- Environmental Database Report prepared by Environmental Data Resources, Inc., dated August 12, 2019.

14.0 SIGNATURE AND QUALIFICATION

September 23, 2019

Mr. Cory Kroeger
2620 W. OBT LLC

Colella & Associates, Inc., has completed a Phase I Environmental Site Assessment (ESA) of the site (undeveloped, residentially, and commercially developed properties) was located in Apopka, Florida, covered approximately 33-acres, and consisted of the following seven (7) parcels:

- Parcel No. 06-21-28-7172-02-011 (2560 W. Orange Blossom Trail).
- Parcel No. 06-21-28-7180-09-070 (2428 W. Orange Blossom Trail).
- Parcel No. 06-21-28-7180-09-050 (2424 W. Orange Blossom Trail).
- Parcel No. 06-21-28-7180-07-031 (2322 W. Orange Blossom Trail).
- Parcel No. 06-21-28-7180-07-010 (2300 W. Orange Blossom Trail).
- Parcel No. 06-21-28-7180-07-100 (Lake View Drive).
- Parcel No. 06-21-28-7180-07-160 (2323 Mayflower Avenue).

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional. We have the specific qualifications based on education, training, and/or experience to assess a property of the same nature, history, and setting of the subject property in conformance with the generally accepted Phase I ESA standards and practices.

This Phase I ESA was performed in general accordance with the current ASTM Standard E 1527-13, except as noted in Section 2.4 of this report. This report represents the results of our findings from visual surveys, evaluation of available data, and discussions with personnel knowledgeable of the properties and various governmental agencies.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of this part [40 CFR Part 312]. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

James C. Colella, P.E.
Principal
Florida Registration No. 41545
23 Sept 19

JAMES C. COLELLA, P. E.

Mr. Colella has over 30 years of experience in assessing, designing, building and negotiating solutions to environmentally sensitive issues/operations. In Florida, Mr. Colella has worked and negotiated with local and state regulatory agencies in preparing permit applications, consent orders, work plans and final reports associated with assessments and remedial actions. Mr. Colella has the experience in understanding the technical issues, the implementability of a solution, the applicable regulatory requirements and the business impact. The integration of these aspects is critical in resolving environmental concerns/issues and achieving regulatory compliance. As Project Manager, Mr. Colella's understanding of these aspects for any project provides the experience required to minimize the work to fulfill the client's objective while complying with regulatory criteria.

EXPERIENCE

November 1995 to Present: Principal, Colella & Associates, Inc.

- Managed/performed tasks associated with a petroleum contamination assessment for a freight transportation facility in Jacksonville, Florida. Tasks included characterizing the subsurface soils by drilling exploratory borings, delineating the impacted ground water plume in a phased process by installing monitoring wells and sampling/analyzing the ground water, reducing the data to determine need for subsequent assessment and/or remedial action tasks. A Contamination Assessment Report was prepared that recommended Monitoring Only based on the site characterization and regulatory standards.
- Managed/performed a consent order RCRA Generator Closure at a manufacturing facility in Volusia County, Florida. The facility was cited for improperly discharging a neutralized wastewater into the soils and ground water on the site. The scope of work included the preparation/submittal of a Quality Assurance Project Plan, an Initial Remedial Action Plan and a Work Plan to demonstrate how work would be performed, the performance of source removal and site assessment activities (exploratory boring, monitoring wells, sampling/analysis), and preparation of a Contamination Assessment Report. The work involved routine interaction with the Florida Department of Environmental Protection (FDEP) Central District to understand their objectives and focus the work. Based on our assessment and site characterization data, a No Further Action recommendation was submitted to the FDEP for approval.
- Managed/performed a consent order RCRA Generator Closure for an airplane maintenance facility in Polk County, Florida. This project involved the ground water sampling and certificates of completion of the identified Plans for Restoration (PFR). Oversight of the activities performed by the client was provided to document and certify the work met the FDEP approved PFR. Ground water sampling was performed to demonstrate the ground water quality was not impacted above regulatory standards/guidances by the former operations. Based on the work performed, certifications were submitted that demonstrated the site met the "Clean Closure" conditions.
- Managed/performed the operation and maintenance (O & M) activities of a soil vapor extraction and ground water extraction/treatment Corrective Action System (CAS) at a site impacted by mineral spirits in Tallahassee, Florida. The CAS and O & M activities were conditions of a RCRA Closure Permit. The O & M activities include system inspections/maintenance, ground water and vapor sampling, and preparing/submitting quarterly reports. The system includes soil vapor vacuum wells, and dewatering, recovery wells, and monitoring wells.
- Managing/performing the operation and maintenance (O & M) activities of a groundwater extraction/treatment system at a site impacted by petroleum hydrocarbons in St. Augustine, Florida. The ground water extraction/treatment system was installed by others in accordance with the approved Remedial Action Plan (RAP). Our activities included monthly inspections of the system with sampling/analysis to confirm the required treatment is being achieved and quarterly sampling/analysis to evaluate the performance of the extraction system to recover the impacted ground water. Reports are prepared quarterly with an annual report presenting trends and recommendations.

- Performed property transaction environmental site assessments (Phases I, II and/or III) for lending institutions, buyers and sellers in accordance with the current ASTM criteria. Properties have included shopping centers, manufacturing facilities, former industrial areas, commercial businesses and vacant/undeveloped land. Phases II and III activities have included sampling/analysis of wastes, installation of ground water monitoring wells, soil vapor surveys, soil and ground water sampling/analysis, and removal activities.
- Provided EPA and OSHA training for confined space, respirator use, hazardous waste operations to manufacturing companies' employees.
- Prepared air permit applications for Title V and non-Title V air emission sources at various manufacturing facilities in Florida.
- Performed clean-up activities of business activities that were abandoned by the operator. Activities include the characterization of various containers and materials, scheduling and managing applicable contractors in the removal and disposal of the materials (hazardous and non-hazardous), and the cleaning of the building for subsequent use.
- Performed an engineering evaluation of chromate copper arsenate pressure treatment drip pad for a wood treating facility in Polk County, Florida. The evaluation was and is performed annually in accordance with the associated EPA drip pad regulations in Subpart W, 40 CFR 265.443(a) through (f).
- Provided regulatory compliance assessments for various manufacturing facilities in Volusia, Orange, and Polk Counties in Florida. The assessments identify violations and shortcomings, and recommendations to achieve compliance.

January 1994 - November 1995: Southeast Regional Manager/Director of Projects, TRC/Environmental Solutions, Inc.

- Responsible for the management and technical performance of projects involving:
  - Permitting; air, water, solid/hazardous waste.
  - Property Environmental Assessments and Facility Environmental Compliance Evaluations.
  - Consent order negotiations.
  - Interpretation of regulations and negotiation of work plans.
  - Investigations/assessments associated with CERCLA and RCRA and non-CERCLA/non-RCRA sites.
  - Engineering analyses (stability, hydrologic, hydraulic) associated with the design of a new storage disposal facilities, closures, and to support remediation activities/corrective measures studies.
  - Engineering design.
  - Preparation of construction plans, specifications, and bid documents for remedial designs.
- Managed/performed over 15 projects associated with the underground and above ground storage tank petroleum regulations. These have included CARs, RAPs, RAP implementations, and Operation and Maintenance and Monitoring.
- Managed technical staff in preparing an Air Permit Application for the painting operation at a steel fabrication facility in Florida. The Jacksonville District Office of the Florida Department of Environmental Protection was the reviewing agency.
- Managed/prepared "Plans For Restoration" for the closure of various areas at an airplane maintenance facility in central Florida. The plans for restoration identify how the cleanup will be achieved within 180 days so that a post-closure permit is not required. The Tampa District and Tallahassee division offices of the Florida Department of Environmental Protection were involved in reviewing this project.
- Managed/performed a contaminated assessment of a solvent spill/release on a barrier island in Florida. The assessment has been performed and a contamination assessment report has been prepared and submitted to the Orlando District office of the Florida Department of Environmental Protection. A "No further Action" or "Monitoring Only Plan" is being recommended.
- Managed/prepared a Corrective Action Plan (CAP) in accordance with RCRA regulations for a site impacted by mineral spirits and solvents. The CAP addressed the clean-up of the ground water by recovery (extraction wells) treatment (air stripping and discharge to a POTW).

- Managed the installation of ground water and soil Corrective Action System at RCRA sites in accordance with associated permits. These systems included soil vapor and ground water extraction and treatment.

1993 - Independent Consultant, Bruder Stephens, Inc.

- Performed an environmental audit of a research/development and chemical analytical laboratory in St. Petersburg, Florida. This audit compliance, operational and management, included the inspection of the builds, operations and files, detailed interviews with key operations and management personnel and an oral presentation of findings/recommendations followed by a written document.
- Performed numerous commercial property transaction audits (Phase I Environmental Site Assessments) within Florida in accordance with client's specific requirements (Barnett Banks, FNC, FDIC, First Union Bank) or ASTM Standard E1527. Recognized environmental conditions, if identified, were assessed (Phase II) to confirm the impact and if necessary, to delineate the extent and/or remediate (Phase III) the impact.
- Prepared and implemented a contamination assessment plan in accordance with the consent order for a site formerly operated as an electronic manufacturer on a barrier island in Florida. The property was identified as being impacted by TCE and PCE. The contamination assessment report is being prepared to define the impact and to identify the need, if any, of any remedial action.
- Prepared and implemented an Interim Remedial Action Plan to remove contaminated soils and construction debris as hazardous waste for TCE and PCE contamination from an electronics' operation facility in Florida.
- Characterized and managed the removal of unknown containerized and stockpiled materials from a steel fabrications operation in Tampa, Florida. Sampling/analyses was performed for disposal characterization. Materials were identified as hazardous (72 drums) and non-hazardous (1500 cubic yards) waste and disposed of in accordance with applicable regulations.
- Negotiated a consent order for the performance of a Contamination Determination Report (CDR) with the Florida Department of Environmental Protection to document the presence/absence of contamination and proposed closure actions at an airplane stripping/painting operation in Lakeland, Florida. Contamination assessment activities and closure action evaluations are being performed to prepare and submit the CDR.

May 1991 - December 1992 - Manager, Florida Environmental Engineering Service, ATEC Associates, Inc.

- Responsible for the technical performance of all environmental projects; environmental sales and sales strategies; proposal and cost estimate preparation and review; project management training; technical/sales presentations; staffing/organization planning; and maximizing profits while minimizing liabilities within Florida. Offices for which this effort was provided included Pensacola, Jacksonville, Orlando, Tampa, West Palm Beach and Miami. Projects ranged from environmental compliance audits, environmental site assessments, contamination assessments, and RCRA investigations.

- Assisted in developing the Tampa Environmental Division; opening of the Pensacola office to provide environmental services and expanding the environmental staff's in the Jacksonville and Tampa offices.

1987 - 1991 - General Manager of Engineering, IT Corporation

- Responsible for the overall management, financial and technical performance of the Tampa office. Projects have included remedial investigations and feasibility studies, site assessments, design and field management, RCRA Part B applications, site closure plans, environmental audits, underground storage tank assessment, waste characterization studies, and computer modeling for hazardous and non-hazardous waste projects. Specific duties/projects include:
  - Established a "green field" office in Tampa with no backlog in 1988 which grew to a staff of 36 with revenues exceeding $5 million in 1991.
  - Management of a staff of 36 personnel located in Tampa, Ocala, and Orlando which provide assessment, engineering analysis and design services for environmental concerns separately or as a "turnkey" effort.
  - Responsible for profit/loss performance of Tampa, Ocala, and Orlando offices.

- Negotiated contract with NAS Southern Division to perform a RI/FS and other environmental studies/programs at NAS Stations in Key West and Jacksonville, Florida.
- Prepared proposals, negotiated contracts and provided technical direction/reviews for CERCLA and RI/FS activities on landfills in Georgia and Florida. In addition, assisted in negotiations with the EPA Region IV for approval of work plans and associated documents.
- Evaluated data, prepared technical and cost proposals for performances of environmental audits, engineering designs, RI/FS and RFA/RFI/CMS projects.

- Performed a senior technical review of an environmental risk audit of a fertilizer manufacturing facility. This audit identified possible spill/release scenarios and existing control with recommendations to establish new/additional preventative programs in the various operations.

1985 - 1987 - Section Manager, Civil Geotechnical Design Engineering, IT Corporation

- Responsible for technical assistance in RI/FS projects and design of landfills (hazardous and non-hazardous) and associated structure. In conjunction, managed numerous projects and performed administrative responsibilities.
- Evaluated data, prepared technical and cost proposals for performances of environmental audits engineering designs, RI/FS and RFA/RFI projects.
- Management of a staff of engineers/scientists in performance of a remedial action design (slurry wall, impermeable cap, ground water extraction and treatment) for a New Jersey Superfund site through the U.S. Corps of Engineers (COE), Kansas City District.
- Management and technical support in a site selection study (design and economic considerations, site conditions, costs) for regional, national, or multiple sightings of a landfill and incinerator to handle various waste streams from an industrial client.
- Interaction with local, state and federal regulatory agencies in the preparation of appropriate permit (Part B, NPDES) and implementation of operational plans according to the regulations.
- Management and technical direction for a Part B permit application for a hazardous Waste Disposal Facility including the detailed engineering designs for electric arc furnace dust.
- As the Section Manager of the Civil/Geotechnical Design Group, managed a staff of engineers/scientists in performing similar projects. These responsibilities include: coordinating and scheduling project work and staffing; providing supervision and direction for the project staff; coordinating subcontractor activities; interfacing with clients; and maintaining corporate quality control procedures in the performance of the project. In addition, evaluated and developed scope of work and associated budgets and prepares proposals for new work.

1984 - 1985 - Project Manager, NUS Corporation, PEC Division

- Developed work plans and budgets and prepared proposals to investigate, evaluate, and/or design hazardous waste sites/disposal facilities. In addition, provided technical assistance in the performance of the project as well as being project manager (budget and schedule tracking). Services as a project manager in the U.S. Environmental Protection Agency (USEPA) Superfund project in areas of supervisory, planning, reviewing, implementation, and technical interpretation of results for the RI/FS. Performed such duties for Superfund sites in EPA Regions III and IV.

1974 - 1983 - Senior Project Engineer, D'Appolonia Consulting Engineers, Inc.

- Developed extensive experience in the design and operation of solid waste disposal facilities for coal reuse, ash wastes, paper waste, steel processing wastes, and hazardous wastes.
- Managed a staff of engineers/scientists and/or performed site investigations, engineering analyses, economic evaluations, and construction supervision for waste disposal facilities (hazardous and non-hazardous).
- Performed surficial and subsurface investigations and engineering analyses for designs, investigations and economic evaluations of over 50 waste disposal projects related to the coal industry in Pennsylvania, Kentucky, Virginia, West Virginia, and Ohio.

- Developed construction plans, specifications, and bid packages to implement the design.
- Provided liaison for clients with regulatory agencies.
- Prepared appropriate state and federal permit applications, National Pollution Discharge Elimination System (NPDES), and portions of Resource Conservation Recovery Act (RCRA) Part B applications.

EDUCATION

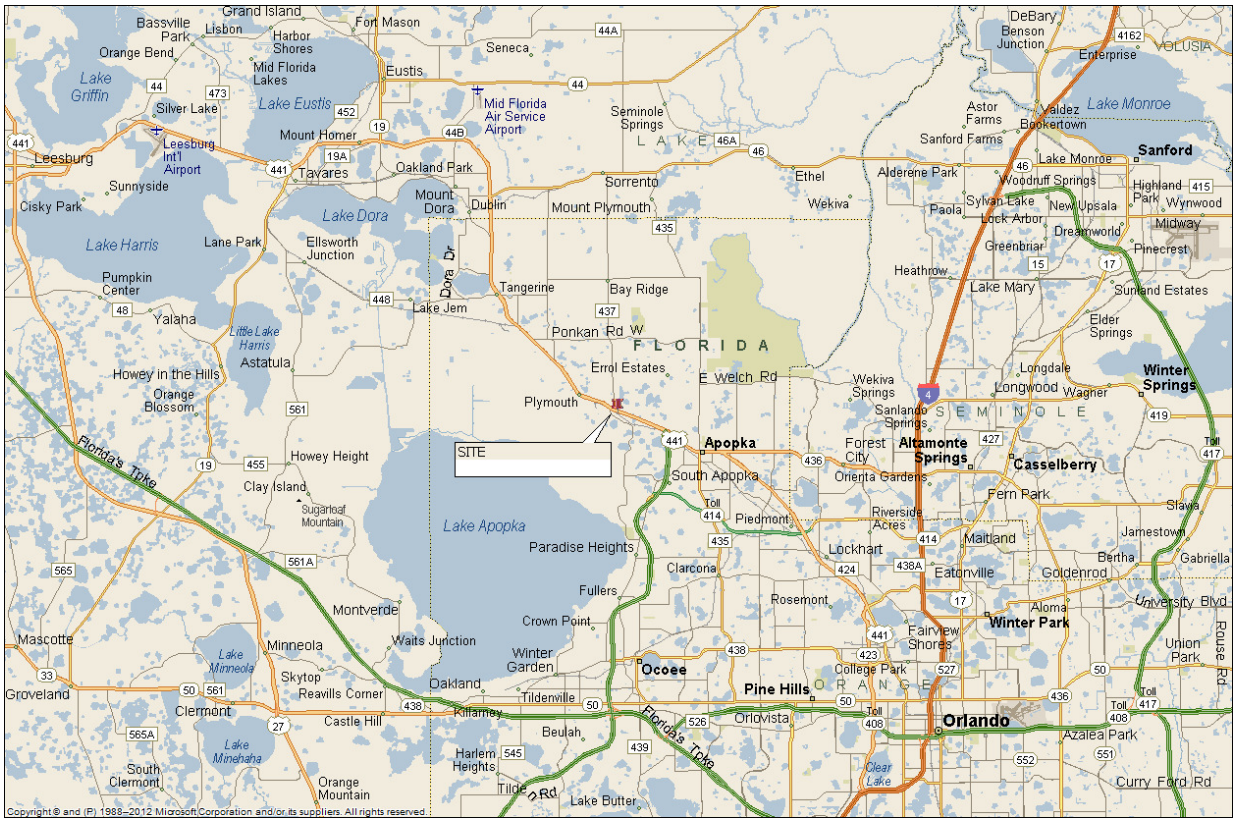
Graduate courses toward M.S., Civil Engineering, University of Pittsburgh, Pittsburgh, PA.
B.S., Civil Engineering, University of Pittsburgh, Pittsburgh, Pennsylvania, 1974.
B.A., Mathematics, St. Vincent College, Latrobe, Pennsylvania, 1974

TRAINING

Project Management (40 Hour Course) - IT Corporation; 1990.
Training Technical People into Strong Project Managers, Professional Services Management; 1990.
RCRA - McKoy and Associates; 1992
Total Quality Management Facilitator (40 Hours), ODI; 1992.
OSHA 1910.120 -- 40 Hour, supervisor and refreshers

REGISTRATIONS

Professional Engineer - Pennsylvania (test), Alabama, Georgia, Florida, and Kentucky



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SITE VICINITY MAP



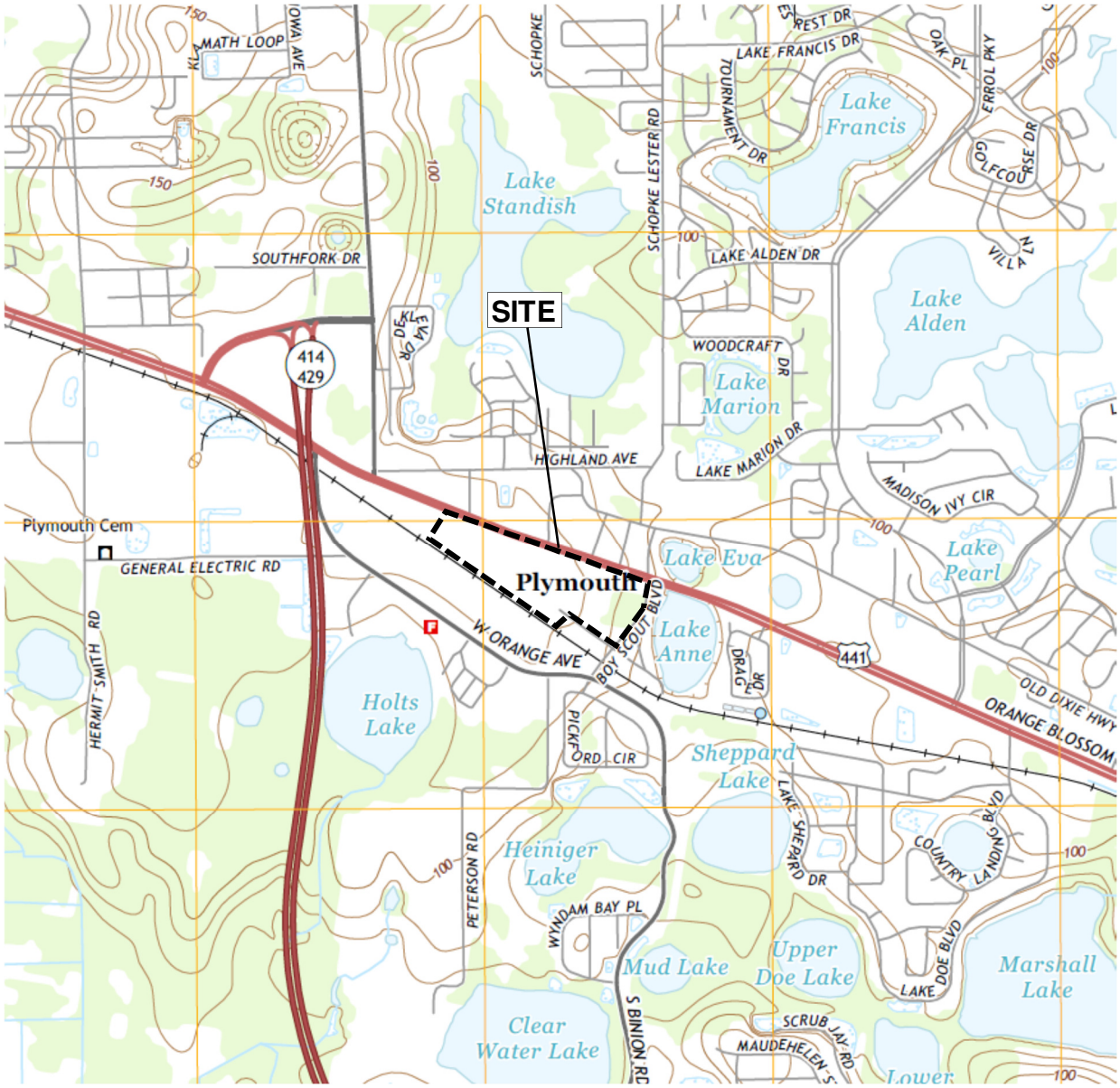
SITE LOCATION MAP

FIGURE 1

SITE VICINITY AND LOCATION MAPS

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 19-105	COLELLA & ASSOCIATES, INC.



REFERENCE:
2015 ORLANDO WEST, FLORIDA U. S. G. S. QUADRANGLE MAP

FIGURE 2

PHYSICAL SETTING MAP -- 2015

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 19-105	COLELLA & ASSOCIATES, INC.

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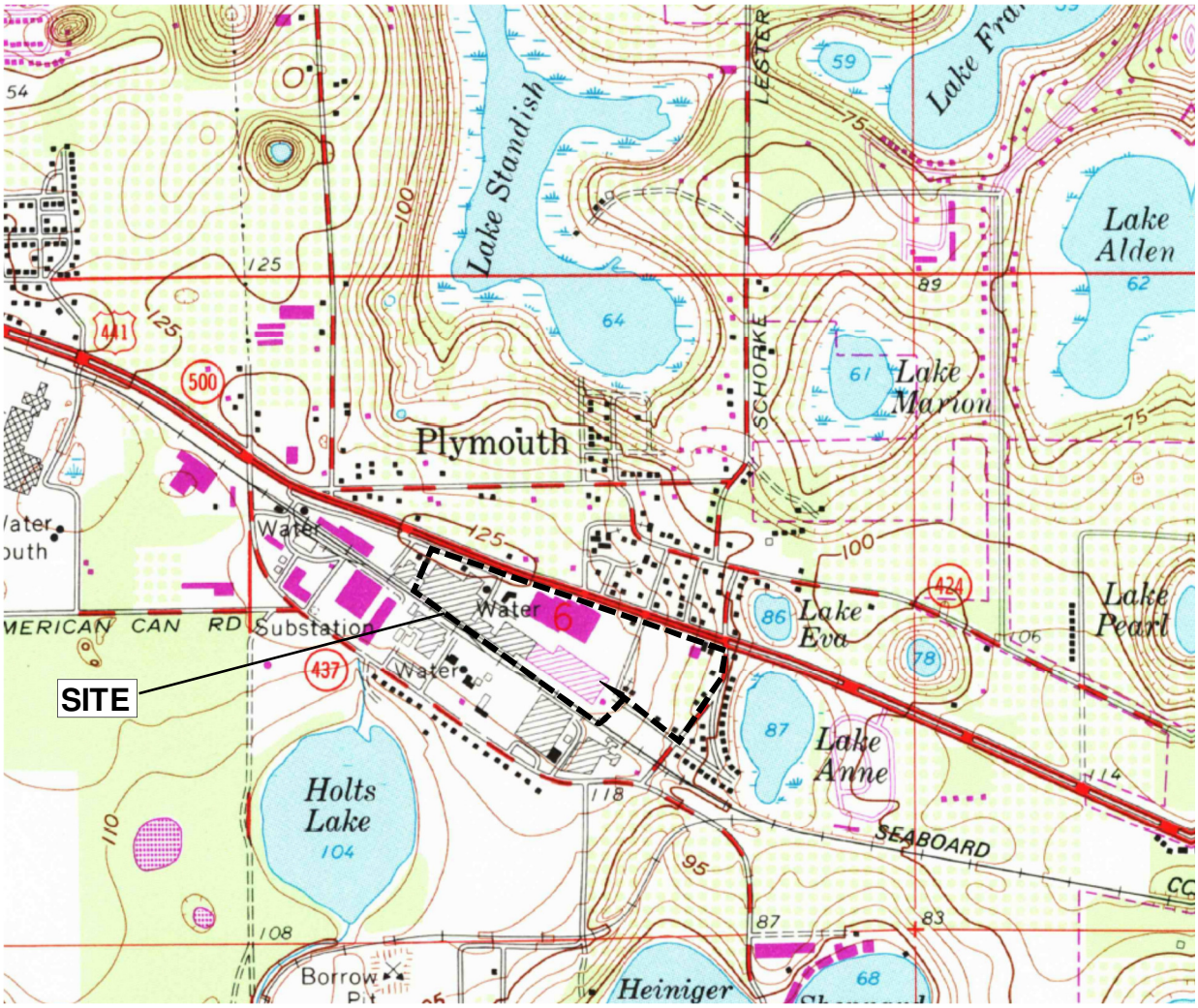
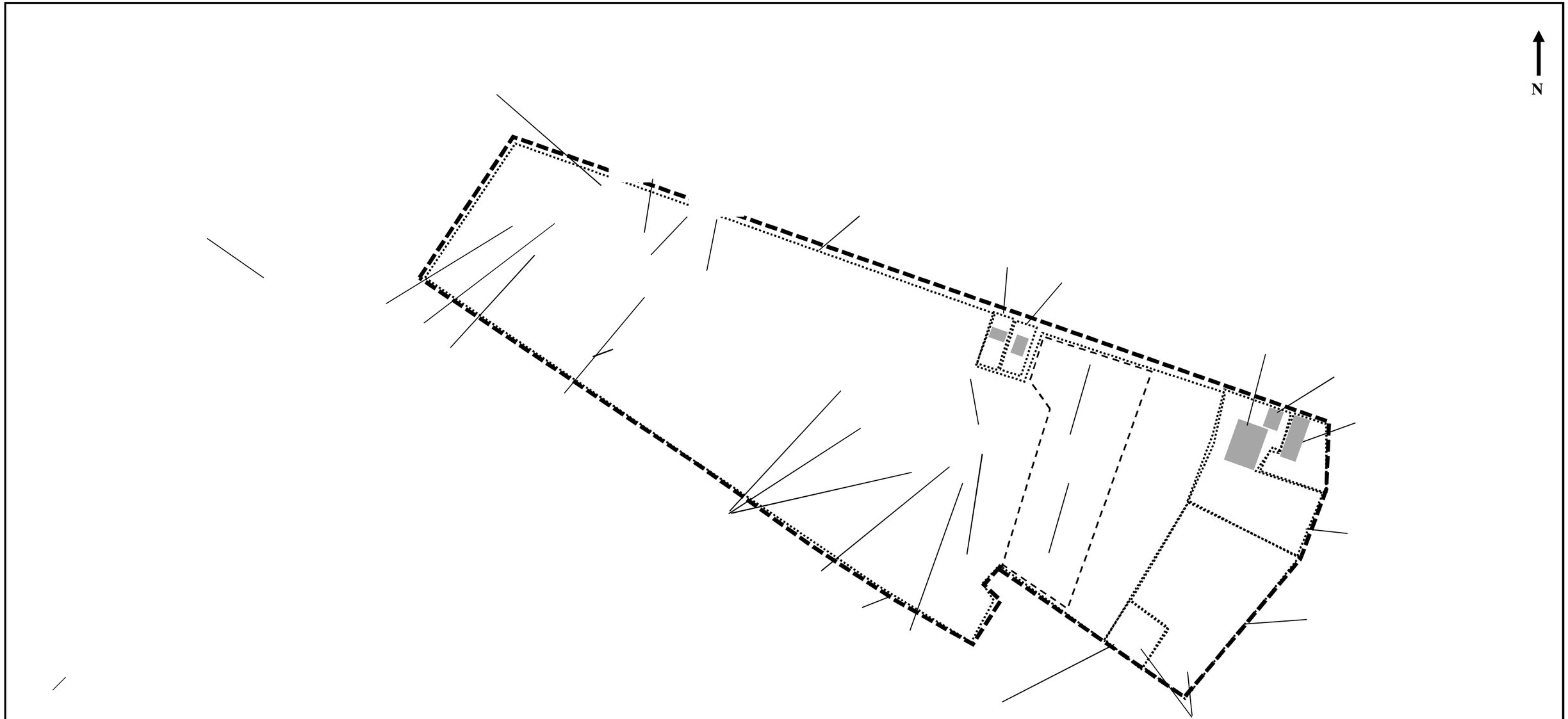


REFERENCE:
1960 (PHOTO REVISED 1980) APOPKA, FLORIDA U. S. G. S. QUADRANGLE MAP

FIGURE 3
PHYSICAL SETTING MAP -- 1960 (PHOTO-REVISED 1980)
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 19-105	COLELLA & ASSOCIATES, INC.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APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



1. Building on 2428 W. Orange Blossom Trail.



2. Water well system behind building on 2428 W. Orange Blossom Trail.



3. Building on 2424 W. Orange Blossom Trail.



4. Propane tank at rear of 2424 W. Orange Blossom Trail.

FIGURE A-1
PHOTOGRAPHIC DOCUMENTATION

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



5. Possible septic system on 2424 W. Orange Blossom Trail.



6. Inactive water well system on 2424 W. Orange Blossom Trail.



7. Metal and concrete block warehouse buildings on 2322 W. Orange Blossom Trail.



8. Used oil and used anti-freeze totes within metal warehouse on 2322 W. OBT.

FIGURE A-2
PHOTOGRAPHIC DOCUMENTATION

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA. ORANGE COUNTY. FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



9. Drum and containers between concrete block and metal warehouses on 2322 W. Orange Blossom Trail.



10. Chemicals used/stored at Ron's Audio (metal warehouse) on 2322 W. Orange Blossom Trail.



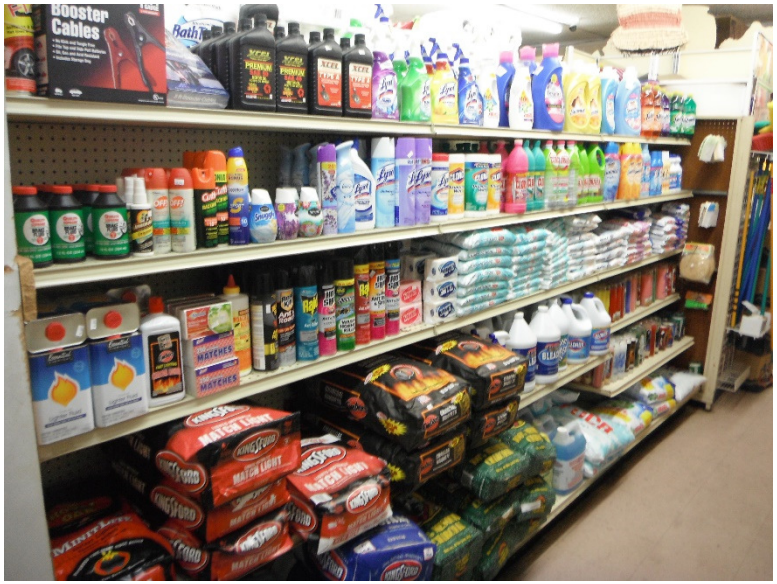
11. Chemicals used/stored at Ron's Audio (metal warehouse) on 2322 W. Orange Blossom Trail.



12. Building (La Parada Mexican Market) on property at 2300 W. Orange Blossom Trail.

FIGURE A-3
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



13. Retail chemical and petroleum products in market at 2300 W. Orange Blossom Trail.



15. Building (La Parada Mexican Market) on property at 2300 W. Orange Blossom Trail.



14. Sewage lift-station in the southwest corner on 2300 W. Orange Blossom Trail (La Parada Mexican Market).



16. Typical view of the majority of the undeveloped Lake View Drive parcel.

FIGURE A-4
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



17. Soil and asphalt stockpiles on southern portion of the Lake View Drive parcel.



18. Construction material/equipment storage yard on 2323 Mayflower Avenue parcel.



19. Mid-Florida Freezer Warehouses LTD on 2560 W. Blossom Trail parcel.



20. Septic system located on the east side of the office building on 2560 W. OBT.

FIGURE A-5
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



21. Irrigation well located on the west side of the office building on 2560 W. Orange Blossom Trail.



22. Gasoline AST in secondary containment located on the west side of the office building on 2560 W. Orange Blossom Trail).



23. Inactive emergency generator located south of the office building on 2560 W. Orange Blossom Trail.



24. Pad-mounted transformer located near the southeast corner of the office building on 2560 W. Orange Blossom Trail.

FIGURE A-6
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



25. Maintenance area in the western most warehouse on 2560 W. Orange Blossom Trail.



26. Product totes of acid stored in the dry storage warehouse on 2560 W. Orange Blossom Trail).



27. Drums of reported concrete sealer located in the garage door leased warehouse on 2560 W. Orange Blossom Trail.



28. Drums of reported concrete sealer located in the garage door leased warehouse on 2560 W. Orange Blossom Trail.

FIGURE A-7

PHOTOGRAPHIC DOCUMENTATION

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



29. Drums of various waste and unused product associated with the operation of the Mid-Florida Freezer Warehouse operation on 2560 W. OBT in west warehouse.



30. Drums of various waste and unused product associated with the operation of the Mid-Florida Freezer Warehouse operation on 2560 W. OBT in west warehouse.



31. Drums and containers of various waste and unused product associated with the operation of the Mid-Florida Freezer Warehouse operation on 2560 W. OBT in west warehouse.



32. Drum of diesel associated with the operation of the Mid-Florida Freezer Warehouse operation on 2560 W. OBT in west warehouse.

FIGURE A-8

PHOTOGRAPHIC DOCUMENTATION

MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



33. Drums and containers of various waste and unused product associated with the operation of the Mid-Florida Freezer Warehouse operation on 2560 W. OBT in west warehouse.



34. Electric fork-lift charging room in the western warehouse on 2560 W OBT.



35. Ammonia transfer and compressor room located in the west warehouse building on 2560 W. OBT.



36. New refrigeration oil storage area in compressor room in the west warehouse building on 2560 W. OBT.

FIGURE A-9
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



37. Chemical storage cabinet located in the compressor room in the west warehouse on 2560 W. OBT.



38. Looking east at the Mid-Florida Freezer Warehouses from the office on 2560 W. OBT.



39. Looking south at the Mid-Florida Freezer Warehouses from the office on 2560 W. OBT



40. Entrance to area leased to McGee Tire located on the eastern area of 2560 W. OBT.

FIGURE A-10
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



41. Used tire storage in trailers on area leased by McGee Tire on 2560 W. OBT.



42. New oil and anti-freeze storage in trailer for McGee Tire use on 2560 W. OBT.



43. Trailers associated with McGee Tire parked on leased eastern area on 2560 W. OBT



44. Undeveloped area located in the northeast area on 2560 W. OBT.

FIGURE A-11
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.





47. Storage area of used mercury bulbs and fixtures located on the west side of the western warehouse building on 2560 W. OBT.



46. Used refrigeration oil in AST and drums of various materials located on the west side of the western warehouse building on 2560 W. OBT.



48. Looking east along the southern boundary of 2560 W. OBT.

FIGURE A-12
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

Proj. No. 18-110	COLELLA & ASSOCIATES, INC.



49. ~1,000-gallon Diesel AST in metal fabricated secondary containment located near Fire Pump House 1 on 2560 W. Orange Blossom Trail.



51. Looking at the western portion of 2560 W. OBT.



50. ~150-gallon diesel AST in Fire Pump House 1 on 2560 W. Orange Blossom Trail.



52. Looking east along the southern boundary of 2560 W. OBT.

FIGURE A-13
PHOTOGRAPHIC DOCUMENTATION
MID-FLORIDA FREEZER WAREHOUSES LTD PROPERTIES
2300, 2322, 2424, 2428, 2560 W. ORANGE BLOSSOM TRAIL,
2323 MAYFLOWER AVENUE & LAKE VIEW DRIVE
APOPKA, ORANGE COUNTY, FLORIDA

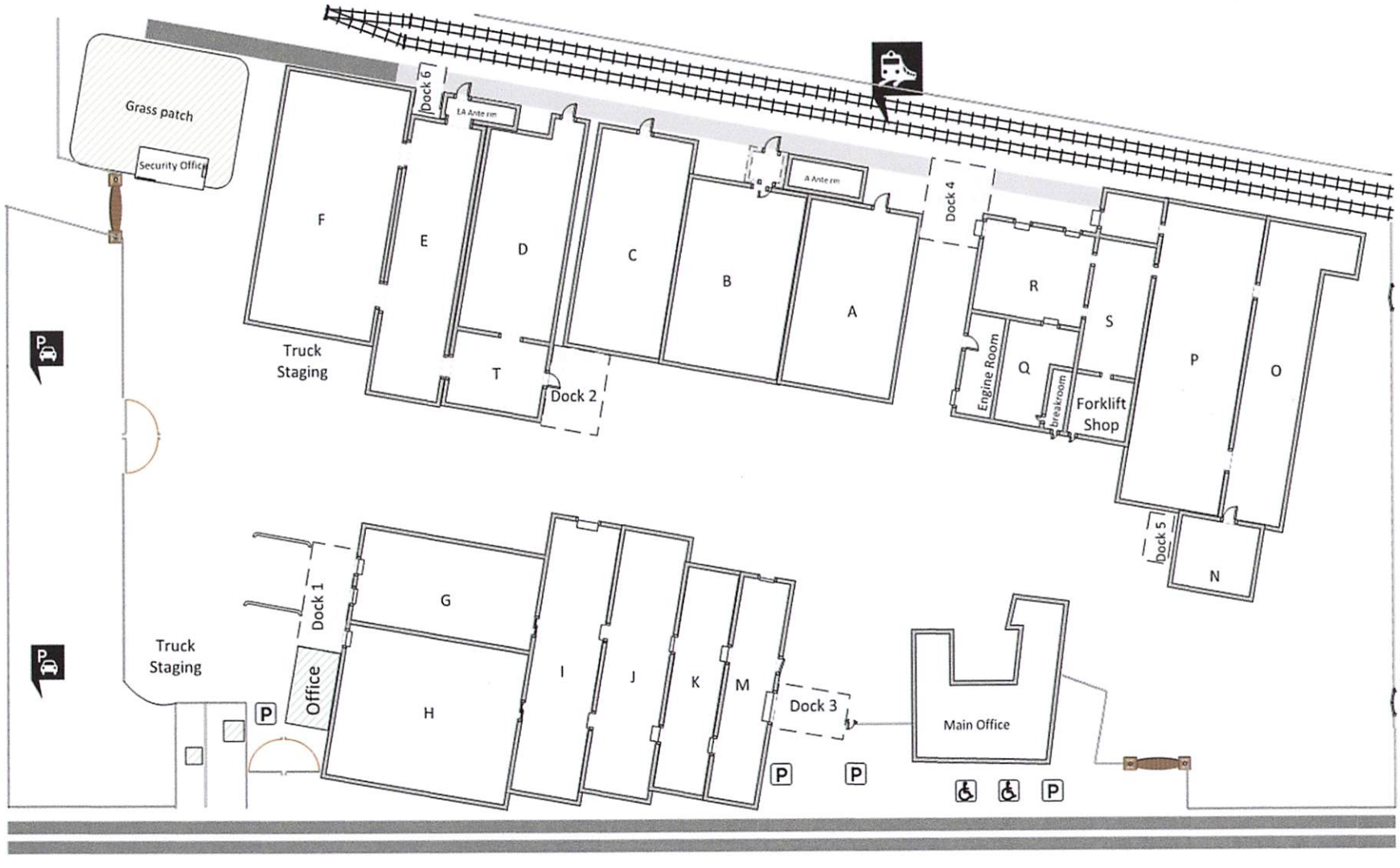
Proj. No. 18-110	COLELLA & ASSOCIATES, INC.

APPENDIX G

COLD LINK LOGISTICE PROVIDED DOCUMENTS

- Facilities Maps.
- Waste Manifests (hazardous and non-hazardous) of recently removed wastes.

COLD-LINK LOGISTICS	Facilities	Document Number : FM- 124- FL1 Version : 1 Effective Date : 06/07/2022



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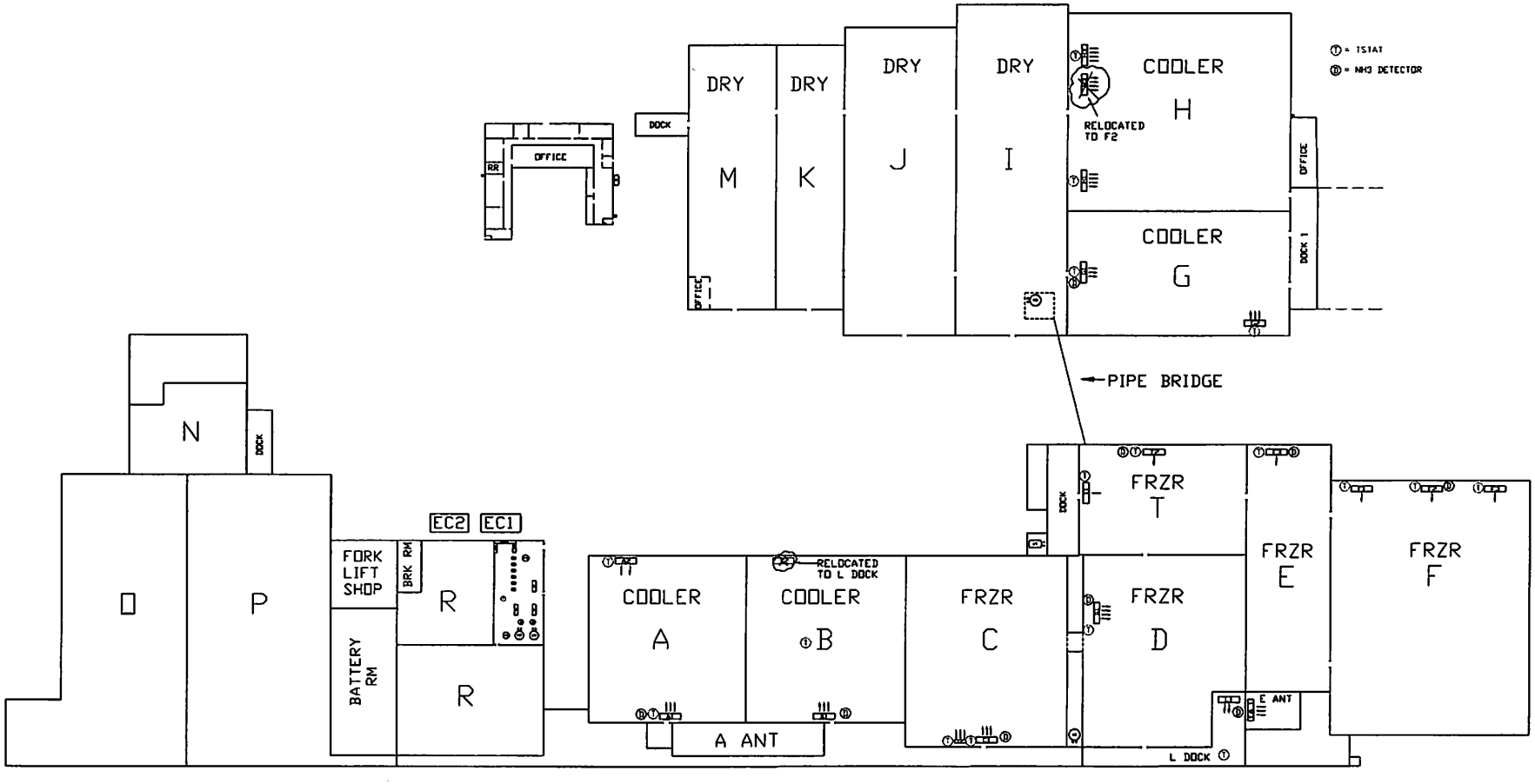
DRY
M
DRY
K
DRY
J
DRY
I
COOLER
H
COOLER
G
OFFICE
RR
DOCK
OFFICE
OFFICE
DOCK 1
RELOCATED TO F2
T = TSTAT
D = NH3 DETECTOR
PIPE BRIDGE
N
DOCK
O
P
EC2
EC1
FORK LIFT SHOP
BRK RM
BATTERY RM
R
R
COOLER
A
COOLER
B
RELOCATED TO L DOCK
FRZR
C
FRZR
D
DOCK
FRZR
T
FRZR
E
FRZR
F
A ANT
E ANT
L DOCK

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CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

Clean Earth of Alabama
LAND DISPOSAL RESTRICTION NOTIFICATION

Generator Name/Location: COLD-LINK LOGISTICS

EPA ID Number: _____ Manifest Tracking #: 017436891FLE

Debris: ☐ Yes ☒ No If yes, Profile #(s): _____

*If debris: Then subject to alternate treatment standards of 40 CFR 268.45

Profile#	RCRA NON-REGULATED Please Check if waste stream is not regulated by RCRA	RCRA WASTE CODES (List all that apply)	SUBCATEGORY (See Table II and Select Key # if applicable)	TREATABILITY GROUP Please check the applicable treatability group		REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005	UNDERLYING HAZARDOUS CONSTITUENTS FOR D001*, D002, D003, D004-D043
				Non-wastewater >1%TOC & >1% TSS	Wastewater	List all applicable constituents from key below	List all applicable constituents from Table 1
a	b	c	d	e	f	g	h
2500015402	☐	D001,F003,F005		☐	☐		
	☐			☐	☐		
	☐			☐	☐		
	☐			☐	☐		
	☐			☐	☐		
	☐			☐	☐		

REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005 (FOR COLUMN G)

1) Acetone
2) Benzene
3) N-Butyl Alcohol
4) Carbon Disulfide
5) Carbon Tetrachloride
6) Chlorobenzene
7) Cresols (o, m, or p isomers)
8) Cresylic Acid
9) Cyclohexanone
10) 1,2- Dichlorobenzene
11) Ethyl Acetate
12) Ethyl Benzene
13) Ethyl Ether
14) Isobutanol (isobutyl alcohol)
15) Methanol
16) Methylene Chloride
17) Methyl Ethyl Ketone
18) Methyl Isobutyl Ketone
19) Nitrobenzene
20) Pyridine
21) Tetrachloroethylene
22) Toluene
23) 1,1,1 Trichloroethane
24) 1,1,2 Trichloroethane
25) 1,1,2 Trichloro 1,2,2 Trifluoroethane
26) Trichloroethylene
27) Trichlorofluoromethane
28) Xylene (Total)

I certify under penalty of law that the above information is accurate and true.

Signature: _____ Print Name: _____

Date: _____

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

Clean Earth of Alabama
LAND DISPOSAL RESTRICTION NOTIFICATION

Generator Name/Location: COLD-LINK LOGISTICS

EPA ID Number: _____ Manifest Tracking #: 017436892FLE

Debris: ☐ Yes ☒ No If yes, Profile #(s): _____

*If debris: Then subject to alternate treatment standards of 40 CFR 268.45

Profile#	RCRA NON-REGULATED Please Check if waste stream is not regulated by RCRA	RCRA WASTE CODES (List all that apply)	SUBCATEGORY (See Table II and Select Key # if applicable)	TREATABILITY GROUP Please check the applicable treatability group		REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005	UNDERLYING HAZARDOUS CONSTITUENTS FOR D001*, D002, D003, D004-D043
				Non-wastewater >1%TOC & >1% TSS	Wastewater	List all applicable constituents from key below	List all applicable constituents from Table 1
a	b	c	d	e	f	g	h
2500015407	☐	D002		☐	☐		
2500015407	☐	D002		☐	☐		
	☐			☐	☐		
	☐			☐	☐		
	☐			☐	☐		
	☐			☐	☐		

REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005 (FOR COLUMN G)

1) Acetone
2) Benzene
3) N-Butyl Alcohol
4) Carbon Disulfide
5) Carbon Tetrachloride
6) Chlorobenzene
7) Cresols (o, m, or p isomers)
8) Cresylic Acid
9) Cyclohexanone
10) 1,2- Dichlorobenzene
11) Ethyl Acetate
12) Ethyl Benzene
13) Ethyl Ether
14) Isobutanol (isobutyl alcohol)
15) Methanol
16) Methylene Chloride
17) Methyl Ethyl Ketone
18) Methyl Isobutyl Ketone
19) Nitrobenzene
20) Pyridine
21) Tetrachloroethylene
ZZ) Toluene
23) 1,1,1 Trichlorothane
24) 1,1,2 Trichlorothane
25) 1,1,2 Trichloro 1,2,2 Trifluoroethane
26) Trichloroethylene
27) Trichlorofluoromethane
28) Xylene (Total)

I certify under penalty of law that the above information is accurate and true.

Signature: _____ Print Name: _____

Date: _____

TABLE 1 - UNIVERSAL TREATMENT STANDARDS
REGULATED CONSTITUENTS FOR D001*, D002, D012-D043, F039 (for Column h)

#	Constituent
33)	Acenaphthylene
34)	Acenaphthene
35)	Acetone
36)	Acetonitrile
37)	Acetophenone
38)	2-Acetylaminofluorene
39)	Acrolein
40)	Acrylamide
41)	Acrylonitrile
42)	Aldrin
43)	4-Aminobiphenyl
44)	Aniline
45)	Anthracene
46)	Aramite
47)	alpha-BHC
48)	beta-BHC
49)	delta-BHC
50)	gamma-BHC
51)	Benzene
52)	Benz(a)anthracene
53)	Benzal chloride
54)	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)
55)	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)
56)	Benzo(g,h,i)perylene
57)	Benzo(a)pyrene
58)	Bromodichloromethane
59)	Methyl bromide (Bromomethane)
60)	4-Bromophenyl phenyl ether
61)	n-Butyl alcohol
62)	Butyl benzyl phthalate
63)	2-sec-Butyl-4, 6-dinitrophenol (Dinoseb)
64)	Carbon disulfide
65)	Carbon tetrachloride
66)	Chlordane (alpha and gamma isomers)
67)	p-Chloroaniline
68)	Chlorobenzene
69)	Chlorobenzilate
70)	2-Chloro-1, 3-butadiene
71)	Chlorodibromomethane
72)	Chloroethane
73)	bis(2-Chloroethoxy) methane
74)	bis(2-Chloroethyl)ether
75)	Chloroform
76)	bis(2-Chloroisopropyl)ether
77)	p-Chloro-m-cresol
78)	2-Chloroethyl vinyl ether
79)	Chloromethane (Methyl chloride)
80)	2-Chloronaphthalene
81)	2-Chlorophenol
82)	3-Chloropropylene
83)	Chrysene
84)	o-Cresol
85)	m-Cresol (difficult to distinguish from p-cresol)
86)	p-Cresol (difficult to distinguish from m-cresol)
87	Cyclohexanone
88)	1,2-Dibromo-3-chloropropane
89)	Ethylene dibromide (1, 2-Dibromoethane
90)	Dibromomethane
91)	2,4-D (2, 4-Dichlorophenoxyacetic acid)
92)	o,p-DDD
93)	p,p-DDD
94)	o,p-DDE
95)	p,p-DDE
96)	o,p-DDT
97)	p,p-DDT
98)	Dibenz(a,h)anthracene
99)	Dibenz(a,c)pyrene
100)	m-Dichlorobenzene
101)	o-Dichlorobenzene
102)	p-Dichlorobenzene
103)	Dichlorodifluoromethane
104)	1,1-Dichloroethane
105)	1,2-Dichloroethane
106)	1,1-Dichloroethylene
107)	trans-1, 2-Dichloroethylene
108)	2, 4-Dichlorophenol
109)	2, 6-Dichlorophenol
110)	1, 2-Dichloropropane
111)	cis-1, 3-Dichloropropylene
112)	trans-Dichloropropylene
113)	Dieldrin
114)	Diethyl phthalate
115)	2-4-Dimethyl phenol
116)	Dimethyl Phthalate
117)	Di-n-butyl phthalate
118)	1, 4-Dinitrobenzene
119)	4, 6-Dinitro-o-cresol
120)	2, 4-Dinitrophenol
121)	2, 4-Dinitrotoluene
122)	2, 6-Dinitrotoluene
123)	Di-n-octyl phthalate
124)	p-Dimethylaminoazobenzene
125)	Di-n-propylnitrosamine
126)	1, 4-Dioxane
127)	Diphenylamine (difficult to distinguish from diphenylnitrosamine)
128)	Diphenylnitrosamine (difficult to distiguish from diphenylamine)
129)	1, 2-Diphenylhydrazine
130)	Disulfoton
131)	Endosulfan I
132)	Endosulfan II
133)	Endosulfan sulfate
134)	Endrin
135)	Endrin aldehyde
136)	Ethyl acetate
137)	Ethyl cyanide (Propanenitrile)
138)	Ethyl benzene
139)	Ethyl ether
140)	bis(2-Ethylhexyl) phthalate
141)	Ethyl methacrylate
142)	Ethylene oxide
143)	Famphur
144)	Fluoranthene
145)	Fluorene
146)	Heptachlor
147)	Heptachlor epoxide
148)	hexachlorobenzene
149)	hexachlorobutadiene
150)	Hexachlorocyclopentadiene
151)	HxCDDs (All Hexachlorodibenzo-p-dioxins)
152)	HxCDFs (All Hexachlorodibenzofurans)
153)	Hexachloroethane
154)	Hexachloropropylene
155)	Indeno (1,2,3-c,d) pyrene
156)	Iodomethane
157)	Isobutyl alcohol
158)	Isodrin
159)	Isosafrole
160)	Kepone
161)	Methacrylonitrile
162)	Methanol
163)	Methapyrilene
164)	Methoxychlor
165)	3-Methycholanthrene
166)	4, 4-Methylene bis(2-chloroaniline)
167)	Methylene chloride
168)	Methyl ethyl ketone
169)	Methyl isobutyl ketone
170)	Methyl methacrylate
171)	Methyl methansulfonate
172)	Methyl parathion
173)	Naphthalene
174)	2-Naphthylamine
175)	o-Nitroaniline
176)	p-Nitroaniline
177)	Nitrobenzene
178)	5-Nitro-o-toluidine
179)	o-Nitrophenol
180)	p-Nitrophenol
181)	N-Nitrosodiethylamine
182)	N-Nitrosodimethylamine
183)	N-Nitroso-di-n-butylamine
184)	N-Nitrosomethylethylamine
185)	N-Nitrosomorpholine
186)	N-Nitrosopiperidine
187)	N-Nitrosopyrrolidine
188)	Parathion
189)	Total PCBs (sum of all PCB isomers, or all Aroclors)
190)	Pentachlorobenzene
191)	PeCDDs (All Pentachlorodibenzo-p dioxins)
192)	PeCDFs(All Pentachlorodibenzofurans)
193)	Pentachloroethane
194)	Pentachloronitrobenzene
195)	Pentachlorophenol
196)	Phenacetin
197)	Phenanthrene
198)	Phenol
199)	Phorate
200)	Phthalic acid
201)	Phthalic anhydride
202)	Pronamide
203)	Pyrene
204)	Pyridine
205)	Safrole
206)	Silvex (2, 4, 5-TP)
207)	2, 4, 5-T (2, 4, 5-Trichlorophenoxyacetic acid)
208)	1, 2, 4, 5-Tetrachlorobenzene
209)	TCDDs (All Tetrachlorodibenzo-p-dioxins)
210)	TCDFs (All Tetrachlorodibenzofurans)
211)	1, 1, 1, 2-Tetrachloroethane
212)	1, 1, 2, 2-Tetrachloroethane
213)	Tetrachloroethylene
214)	2, 3, 4, 6-Tetrachlorophenol
215)	Toluene
216)	Toxaphene
217)	Bromoform (Tribromomethane)
218)	1, 2, 4-Trichlorobenzene
219)	1, 1, 1-Trichloroethane
220)	1, 1, 2-Trichloroethane
221)	Trichloroethylene
222)	Trichloromonofluoromethane
223)	2, 4, 5-Trichlorophenol
224)	2, 4, 6-Trichlorophenol
225)	1, 2, 3-Trichloropropane
226)	1, 1, 2-Trichloro-1, 2, 2-trifluoroethane
227)	tris-(2, 3-Dibromopropyl) phosphate
228)	Vinyl chloride
229)	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)
230)	Antimony
231)	Arsenic
232)	Barium
233)	Beryllium
234)	Cadmium
235)	Chromium (Total)
236)	Cyanides (Total)
237)	Cyanides (Amenable)
238)	Fluoride
239)	Lead
240)	Mercury(Nonwastewater from Retort
241)	Mercury(All Others
242)	Nickel
243)	Selenium
244)	Silver
245)	Sulfide
246)	Thallium
247)	Vanadium
248)	Zinc
249)	none apply

TABLE II

The following waste codes have subcategories and the appropriate key number must be selected and placed in Columns d on form No. 1. Please refer to 40 CRF 268 for exact wording of subcategories.

WASTE CODES	KEY NUMBER	SUBCATEGORY
D001	1	High TOC ignitable liquids
	2	Low TOC ignitable liquids managed in CWA/CWA-equivalent/class 1 SDWA systems.
	3	Low TOC ignitable liquids managed in CWA/CWA-equivalent/class 1 SDWA systems.
D002	4	Corrosive waste managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems.
	5	Corrosive waste managed in CWA/CWA equivalent/Class 1 SDWA systems.
D003	6	Reactive Sulfides.
	7	Other Reactives.
	8	Water Reactives.
	9	Reactive Cyanides
D006	10	Characteristic for Cadmium based on extraction procedure.
	11	Cadmium containing batteries.
D008	12	Characteristic for Lead based on extraction procedure.
	13	Lead Acid Batteries
D009	14	Low Mercury, (< 260 ppm total Hg)
	15	High Mercury. (≥ 260 ppm total Hg)
F003 F005	16	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol.
F005	17	Contains only 2-Nitropropane.
	18	Contains only 2-Ethoxyethanol.
F025	19	Light Ends.
	20	Spent Filters/aids and Desiccants.
K006	21	Anhydrous.
	22	Hydrated.
U151	23	Nonwastewaters that contain > 260mg/kg total mercury.
	24	All U151 (mercury) Wastewaters.
K071	25	Nonwastewaters that are residues from RMERC.
	26	Nonwastewaters that are not residues from RMERC
	27	All K071 Wastewaters.
P047	28	4, 6-Dinitro-o-cresol.
	29	4, 6-Dinitro-o-cresol salts.
P065	30	Nonwastewaters, not incinerator or RMERC residues
	31	Nonwastewaters from RMERC w/less than 260 ppm Hg.
	32	Nonwastewaters from incinerator residues w/less than 260 ppm hg.
	33	All P065 wastewaters.
P092	34	Nonwastewaters, not incinerator or RMERC residues
	35	Nonwastewaters, from RMERC w/less than 260 ppm Hg.
	36	Nonwastewater from incinerator residues w/less than 260 ppm Hg.
	37	All P092 Wastewaters.
U240	38	2,4-D (2,4 -Dichlorophenoxyacetic acid).
	39	2, 4-D (2,4-Dichlorophenoxyacetic acid) salts and esters.

ase print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Manifest Tracking Number 017436891 FLE

5. Generator's Name and Mailing Address Cold-Link Logistics
2560 W. Orange Blossom Trail
Apopka, FL. 32712
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Enviroserve, Inc.
U.S. EPA ID Number: FLD984206003

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address Clean Earth of Alabama, Inc.
402 Webster Chapel Rd
Glencoe, AL. 35905
Facility's Phone: 256.492.8340
U.S. EPA ID Number: ALD981020894

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. "RQ", UN1993, Waste Flammable Liquids, n.o.s. 3, PG II ERG 128 (Xylene, Toluene, Acetone, Tar) Paint Cans	02	CF	1,500	P	D001 F003 F005
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Harmony Environmental, Inc.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: (X) [signature] Signature: (X) [signature] Month 5 Day 2 Year 25

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Emanuel Vazquez Jr. Signature: [signature] Month 5 Day 2 Year 25
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

TABLE 1 - UNIVERSAL TREATMENT STANDARDS
REGULATED CONSTITUENTS FOR D001*, D002, D012-D043, F039 (for Column h)

#	Constituent
33)	Acenaphthylene
34)	Acenaphthene
35)	Acetone
36)	Acetonitrile
37)	Acetophenone
38)	2-Acetylaminofluorene
39)	Acrolein
40)	Acrylamide
41)	Acrylonitrile
42)	Aldrin
43)	4-Aminobiphenyl
44)	Aniline
45)	Anthracene
46)	Aramite
47)	alpha-BHC
48)	beta-BHC
49)	delta-BHC
50)	gamma-BHC
51)	Benzene
52)	Benz(a)anthracene
53)	Benzal chloride
54)	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)
55)	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)
56)	Benzo(g,h,i)perylene
57)	Benzo(a)pyrene
58)	Bromodichloromethane
59)	Methyl bromide (Bromomethane)
60)	4-Bromophenyl phenyl ether
61)	n-Butyl alcohol
62)	Butyl benzyl phthalate
63)	2-sec-Butyl-4, 6-dinitrophenol (Dinoseb)
64)	Carbon disulfide
65)	Carbon tetrachloride
66)	Chlordane (alpha and gamma isomers)
67)	p-Chloroaniline
68)	Chlorobenzene
69)	Chlorobenzilate
70)	2-Chloro-1, 3-butadiene
71)	Chlorodibromomethane
72)	Chloroethane
73)	bis(2-Chloroethoxy) methane
74)	bis(2-Chloroethyl)ether
75)	Chloroform
76)	bis(2-Chloroisopropyl)ether
77)	p-Chloro-m-cresol
78)	2-Chloroethyl vinyl ether
79)	Chloromethane (Methyl chloride)
80)	2-Chloronaphthalene
81)	2-Chlorophenol
82)	3-Chloropropylene
83)	Chrysene
84)	o-Cresol
85)	m-Cresol (difficult to distinguish from p-cresol)
86)	p-Cresol (difficult to distinguish from m-cresol)
87	Cyclohexanone
88)	1,2-Dibromo-3-chloropropane
89)	Ethylene dibromide (1, 2-Dibromoethane
90)	Dibromomethane
91)	2,4-D (2, 4-Dichlorophenoxyacetic acid)
92)	o,p-DDD
93)	p,p-DDD
94)	o,p-DDE
95)	p,p-DDE
96)	o,p-DDT
97)	p,p-DDT
98)	Dibenz(a,h)anthracene
99)	Dibenz(a,c)pyrene
100)	m-Dichlorobenzene
101)	o-Dichlorobenzene
102)	p-Dichlorobenzene
103)	Dichlorodifluoromethane
104)	1,1-Dichloroethane
105)	1,2-Dichloroethane
106)	1,1-Dichloroethylene
107)	trans-1, 2-Dichloroethylene
108)	2, 4-Dichlorophenol
109)	2, 6-Dichlorophenol
110)	1, 2-Dichloropropane
111)	cis-1, 3-Dichloropropylene
112)	trans-Dichloropropylene
113)	Dieldrin
114)	Diethyl phthalate
115)	2-4-Dimethyl phenol
116)	Dimethyl Phthalate
117)	Di-n-butyl phthalate
118)	1, 4-Dinitrobenzene
119)	4, 6-Dinitro-o-cresol
120)	2, 4-Dinitrophenol
121)	2, 4-Dinitrotoluene
122)	2, 6-Dinitrotoluene
123)	Di-n-octyl phthalate
124)	p-Dimethylaminoazobenzene
125)	Di-n-propylnitrosamine
126)	1, 4-Dioxane
127)	Diphenylamine (difficult to distinguish from diphenylnitrosamine)
128)	Diphenylnitrosamine (difficult to distiguish from diphenylamine)
129)	1, 2-Diphenylhydrazine
130)	Disulfoton
131)	Endosulfan I
132)	Endosulfan II
133)	Endosulfan sulfate
134)	Endrin
135)	Endrin aldehyde
136)	Ethyl acetate
137)	Ethyl cyanide (Propanenitrile)
138)	Ethyl benzene
139)	Ethyl ether
140)	bis(2-Ethylhexyl) phthalate
141)	Ethyl methacrylate
142)	Ethylene oxide
143)	Famphur
144)	Fluoranthene
145)	Fluorene
146)	Heptachlor
147)	Heptachlor epoxide
148)	hexachlorobenzene
149)	hexachlorobutadiene
150)	Hexachlorocyclopentadiene
151)	HxCDDs (All Hexachlorodibenzo-p-dioxins)
152)	HxCDFs (All Hexachlorodibenzofurans)
153)	Hexachloroethane
154)	Hexachloropropylene
155)	Indeno (1,2,3-c,d) pyrene
156)	Iodomethane
157)	Isobutyl alcohol
158)	Isodrin
159)	Isosafrole
160)	Kepone
161)	Methacrylonitrile
162)	Methanol
163)	Methapyrilene
164)	Methoxychlor
165)	3-Methycholanthrene
166)	4, 4-Methylene bis(2-chloroaniline)
167)	Methylene chloride
168)	Methyl ethyl ketone
169)	Methyl isobutyl ketone
170)	Methyl methacrylate
171)	Methyl methansulfonate
172)	Methyl parathion
173)	Naphthalene
174)	2-Naphthylamine
175)	o-Nitroaniline
176)	p-Nitroaniline
177)	Nitrobenzene
178)	5-Nitro-o-toluidine
179)	o-Nitrophenol
180)	p-Nitrophenol
181)	N-Nitrosodiethylamine
182)	N-Nitrosodimethylamine
183)	N-Nitroso-di-n-butylamine
184)	N-Nitrosomethylethylamine
185)	N-Nitrosomorpholine
186)	N-Nitrosopiperidine
187)	N-Nitrosopyrrolidine
188)	Parathion
189)	Total PCBs (sum of all PCB isomers, or all Aroclors)
190)	Pentachlorobenzene
191)	PeCDDs (All Pentachlorodibenzo-p dioxins)
192)	PeCDFs(All Pentachlorodibenzofurans)
193)	Pentachloroethane
194)	Pentachloronitrobenzene
195)	Pentachlorophenol
196)	Phenacetin
197)	Phenanthrene
198)	Phenol
199)	Phorate
200)	Phthalic acid
201)	Phthalic anhydride
202)	Pronamide
203)	Pyrene
204)	Pyridine
205)	Safrole
206)	Silvex (2, 4, 5-TP)
207)	2, 4, 5-T (2, 4, 5-Trichlorophenoxyacetic acid)
208)	1, 2, 4, 5-Tetrachlorobenzene
209)	TCDDs (All Tetrachlorodibenzo-p-dioxins)
210)	TCDFs (All Tetrachlorodibenzofurans)
211)	1, 1, 1, 2-Tetrachloroethane
212)	1, 1, 2, 2-Tetrachloroethane
213)	Tetrachloroethylene
214)	2, 3, 4, 6-Tetrachlorophenol
215)	Toluene
216)	Toxaphene
217)	Bromoform (Tribromomethane)
218)	1, 2, 4-Trichlorobenzene
219)	1, 1, 1-Trichloroethane
220)	1, 1, 2-Trichloroethane
221)	Trichloroethylene
222)	Trichloromonofluoromethane
223)	2, 4, 5-Trichlorophenol
224)	2, 4, 6-Trichlorophenol
225)	1, 2, 3-Trichloropropane
226)	1, 1, 2-Trichloro-1, 2, 2-trifluoroethane
227)	tris-(2, 3-Dibromopropyl) phosphate
228)	Vinyl chloride
229)	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)
230)	Antimony
231)	Arsenic
232)	Barium
233)	Beryllium
234)	Cadmium
235)	Chromium (Total)
236)	Cyanides (Total)
237)	Cyanides (Amenable)
238)	Fluoride
239)	Lead
240)	Mercury(Nonwastewater from Retort
241)	Mercury(All Others
242)	Nickel
243)	Selenium
244)	Silver
245)	Sulfide
246)	Thallium
247)	Vanadium
248)	Zinc
249)	reserved

TABLE II

The following waste codes have subcategories and the appropriate key number must be selected and placed in Columns d on form No. 1. Please refer to 40 CRF 268 for exact wording of subcategories.

WASTE CODES	KEY NUMBER	SUBCATEGORY
D001	1	High TOC ignitable liquids
	2	Low TOC ignitable liquids managed in CWA/CWA-equivalent/class 1 SDWA systems.
	3	Low TOC ignitable liquids managed in CWA/CWA-equivalent/class 1 SDWA systems.
D002	4	Corrosive waste managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA systems.
	5	Corrosive waste managed in CWA/CWA equivalent/Class 1 SDWA systems.
D003	6	Reactive Sulfides.
	7	Other Reactives.
	8	Water Reactives.
	9	Reactive Cyanides
D006	10	Characteristic for Cadmium based on extraction procedure.
	11	Cadmium containing batteries.
D008	12	Characteristic for Lead based on extraction procedure.
	13	Lead Acid Batteries
D009	14	Low Mercury. (< 260 ppm total Hg)
	15	High Mercury. (≥ 260 ppm total Hg)
F003 F005	16	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol.
F005	17	Contains only 2-Nitropropane.
	18	Contains only 2-Ethoxyethanol.
F025	19	Light Ends.
	20	Spent Filters/aids and Desiccants.
K006	21	Anhydrous.
	22	Hydrated.
U151	23	Nonwastewaters that contain ≥ 260mg/kg total mercury.
	24	All U151 (mercury) Wastewaters.
K071	25	Nonwastewaters that are residues from RMERC.
	26	Nonwastewaters that are not residues from RMERC
	27	All K071 Wastewaters.
P047	28	4, 6-Dinitro-o-cresol.
	29	4, 6-Dinitro-o-cresol salts.
P065	30	Nonwastewaters, not incinerator or RMERC residues
	31	Nonwastewaters from RMERC w/less than 260 ppm Hg.
	32	Nonwastewaters from incinerator residues w/less than 260 ppm hg.
	33	All P065 wastewaters.
P092	34	Nonwastewaters, not incinerator or RMERC residues
	35	Nonwastewaters, from RMERC w/less than 260 ppm Hg.
	36	Nonwastewater from incinerator residues w/less than 260 ppm Hg.
	37	All P092 Wastewaters.
U240	38	2,4-D (2,4 -Dichlorophenoxyacetic acid).
	39	2, 4-D (2,4-Dichlorophenoxyacetic acid) salts and esters.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 05225

2. Page 1 of 1

3. Generator's Name and Mailing Address
Cold-Link Logistic
2560 W. Orange Blossom Trail
Apopka, FL. 32712

4. Generator's Phone ( ) 407.886.7730

5. Transporter 1 Company Name
Enviroserve, Inc.

6. US EPA ID Number
FLD984206003

A. State Transporter's ID

B. Transporter 1 Phone 863.425.4884

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Enviroserve, Inc.
755 Prairie Industrial Parkway
Apopka FL. 32712

10. US EPA ID Number
FLD984206003

E. State Facility's ID

F. Facility's Phone 863.425.4884

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Non Regulated per 40; 49 CFR (Apple Juice)	04	DM	220	G
b. Non Hazardous Non Regulated Per 40; 49CFR Waterbased water Repellent	02	DM	110	G
c. Non Hazardous Non Regulated per 40 ; 49 CFR Kitty Litter, Motor Oil	07	DM	2,100	P
d.				

G. Additonal Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

HARMONY Environmental Inc.

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
		5 12 25

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Enrique Vasquez Jr.		5 12 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this maifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER (800) 621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800) 535-5053	4. Waste Tracking Number 01-050225-16

5. Generator's Name and Mailing Address
COLD-LINK LOGISTICS - ORLANDO
2580 WEST ORANGE BLOSSOM TRAIL, APOPKA, FL
Generator's Phone: (863) 781-0416

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
ENVIROSERVE INC. - WS MULBERRY (863) 425-4884
U.S. EPA ID Number FLD984208003

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSERVE INC. - MULBERRY
755 PRAIRIE INDUSTRIAL PARKWAY, MULBERRY, FL 33860
Facility's Phone: (863) 425-4884
U.S. EPA ID Number FLD984208003

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON-DOT MATERIAL (LATEX PAINT) 63123-DC02		DN		
2.	NON-DOT MATERIAL (RCRA EMPTY DRUM)	14	DN	55	G
3.					
4.					

13. Special Handling Instructions and Additional Information

ENVSRV PO#

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month 5 Day 2 Year 25

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Emanuel Vasquez JR | Signature | Month 5 Day 2 Year 25
Transporter 2 Printed/Typed Name | Signature | Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name | Signature | Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

GENERATOR'S/SHIPPER'S INITIAL COPY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	1		017436892 FLE

GENERATOR

5. Generator's Name and Mailing Address: Cold-Link Logistics
2560 W. Orange Blossom Trail
Apopka, FL. 32712
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Enviroserve, Inc.
U.S. EPA ID Number: FLD984206003

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of Alabama, Inc.
402 Webster Chapel Rd
Glencoe, AL. 35905
Facility's Phone: 256.492.8340
U.S. EPA ID Number: ALD981020894

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. "RQ", UN3266, Waste Corrosive Liquid, basic, inorganic, n.o.s. (Sodium Hydroxide), PG II, ERG 154	11	DM	605	G	D002
X	2. "RQ", UN3266, Waste Corrosive Liquid basic, inorganic n.o.s. (Sodium Hydroxide), PG II, ERG 154	05	DF	275	G	D002
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. 2500015407
2. 2500015407
Harmony Environmental, Inc.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: (K)
Signature: (K)
Month Day Year: 5 12 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] Jr
Signature:
Month Day Year: 5 12 25

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

APPENDIX H

FDEP REGULATORY FILE DOCUMENTS -- SITE

- May 7, 1991, Pollutant Storage Tank Inspection Report
- October 13, 1992, Pollutant Storage Tank Inspection Report

State of Florida
Department of Environmental Regulation

Pollutant Storage Tank System Inspection Report Form

Facility ID No.: 488744489 County: ORANGE
Facility Name: Fl. Express Trucking Inc.
Facility Location: 2560 US 441 N. Plymouth Fl 32768
Operator: Mid Fl. Freezer Bob Skelly. Phone: 407 886-7730
Owner: P.O. Box 429 Plymouth Fl 32768. Phone:
Latitude 28 ° 41 ' 30 " Longitude 81 ° 33 ' 17 " Section 6 Township 21S Range 28E

Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
1	6,000	D	Unknown	A	Steel	Steel	NONE	empty NO Longer being USED!

Comments:

(1) TANK is No longer in use AND has been pumped down/out.

(2) Concrete block wall dike around tank. No impervious surface below tank.

(3) Facility noted AS being closed

Inspection Type:
- ☐ Complaint Response
- ☑ Initial
- ☐ EDI
- ☐ Public Well Field
- ☐ Reinspection
- ☐ Installation
- ☑ Tank Removal
- ☐ Unregistered

Facility Information:
- ☐ Abandoned
- ☑ Aboveground
- ☐ Govt.-Federal
- ☐ Govt.-Other
- ☐ Non-retail
- ☐ Retail
- ☐ Retrofit (M. or O.)
- ☐ Retrofit (L. or R.)

DER District:

Inspector's Signature & Date

Local Program: ORANGE C.

Facility Contact's Signature & Date

Violations must be corrected by: next routine inspection ☐ or by: ☐ ___ / ___ / ___ mo day yr

DER Form 61-01-88 (04-01-88)

Fl. Express

Facility # 488944489
Date 1/28/91

Department of Environmental Regulation

Inspection Form — Aboveground Tank Section

I. REGISTRATION/NOTIFICATION:		Yes	No	Unk	N/A
1. Facility has properly registered all applicable tanks on site? 17-61.050(1)(a).	1	✓			
2. Current Registration placard is properly displayed? 376.303(1)(b), F.S. CLOSED	2				✓
3. Proper notification has been made for the following: 17-61.050(1)(b)	3	✓			
4. abandonment / CLOSED No longer in use	4	✓			
5. facility sale	5				✓
6. retrofitting	6				✓
7. tank test failure	7				✓
8. discharges	8				✓
9. monitoring response	9				✓

II. TANK STATUS:					
10. Tank Designated Out of Service: 17-61.050(3)(b)1.	10	✓			
11. inventory — monitoring records kept or;	11				✓
12. secured against tampering	12				✓

III. OPERATION AND MAINTENANCE:					
13. The schedule for retrofitting has been met? 17-61.060(1)(c) & 2.	13				✓
14. prefabricated tanks	14				✓
15. field erected tanks	15				✓
16. piping	16				✓
17. Is NACE Criteria RP-01-69 met for tanks in contact with soil? 17-61.060(1)(b)3.	17				✓
18. sacrificial anodes system	18				✓
19. impressed current system	19				✓
20. Have monthly visual inspections been performed 17-61.060(1)(d)	20				✓
21. exterior of tanks	21				✓
22. impervious containment area	22				✓

IV. INVENTORY REQUIREMENTS:					
23. Inventory records maintained? 17-61.050(4)(a)2.	23				✓
24. water	24				✓
25. product	25				✓
26. meter readings	26				✓
27. Inventory reconciliation is performed? 17-61.050(4)(c)2.b.	27				✓
28. each 5 consecutive readings	28				✓
29. once a week	29				✓
30. alternate procedures	30				✓
31. Significant loss/gain investigation? 17-61.050(4)(c)3.	31				✓
32. interior examinations	32				✓
33. have repairs been made?	33				

Fl. Express
488944488
1/28/91

Department of Environmental Regulation

Inspection Form — Aboveground Tank Section

V. RECORD KEEPING, DISCHARGE REPORTING & CONTAMINATION CLEAN UP:		Yes	No	Unk	N/A
34. Records being kept as specified by 17-61.050(4)	34				✓
35. 2 years	35			✓	
36. monitoring system exams	36			✓	
37. retrofitting records	37			✓	
38. maintenance exams	38			✓	
39. repairs	39			✓	
40. available within 2 working days	40				
41. Proper response to discharge of pollutants? 17-61.050(4)(b)1	41			✓	
42. containing	42				
43. removing, and	43			✓	
44. abating	44			✓	

VI. LEAK DETECTION FOR EXISTING FACILITIES					
45. Monitoring wells have been properly located, constructed and sampled? 17-61.050(5)(a)	45				✓
46. field erected tanks	46				✓
47. underground piping	47			✓	
48. Monitoring system requirements for field erected tanks are being complied with? 17-61.060(2)(b)3.	48				✓
49. network of monitoring wells	49				✓
50. interior painting	50			✓	
51. SPCC plan	51				
52. approved groundwater monitoring plan	52			✓	
53. cathodic protection in accordance with NACE RP-01-69	53			✓	

VII. CONSTRUCTION STANDARDS FOR NEW FACILITIES					
54. Do the aboveground tanks meet API, NFPA, and UL standards? 17-61.060(1)(a), 17-61.060(1)(b).	54			✓	
55. Does the integral piping meet the standards? 17-61.060(3)(b) & 8(c).	55				
56. aboveground piping	56			✓	
57. underground piping (in contact with ground)	57			✓	
58. Does the containment area meet the standards? 17-060.(1)(b).	58			✓	
59. volume	59				✓
60. impervious material	60				
61. drainage	61				

INTENTIONALLY LEFT BLANK

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
POLLUTANT STORAGE TANK SYSTEM
INSPECTION REPORT FORM - COVER PAGE

FACILITY ID #: 488513283 COUNTY: ORANGE
FACILITY NAME: FL EXPRESS TRUCKING INC
FACILITY LOCATION: 2560 US 441 N, PLYMOUTH
FACILITY CONTACT: FL EXPRESS TRUCKING INC PHONE: (407) 886-7730
OWNER: MID FL FREEZER WAREHOUSES PHONE: (407) 886-1971
OWNER ADDRESS: PO BOX 429, PLYMOUTH, FL, 32768-0429
OWNER CONTACT: PATRICK LEE OWNER CHANGE DATE: 12/01/88
LATITUDE:28-25-16 LONGITUDE:81-23-55 FAC TYPE: NON-RETAIL BUSINESS
LAST COMPLIANCE INSPECTION DATE:00/00/00

TANK #	SIZE	CONTENT	INSTALL DATE	UNDER OR ABOVE	TANK TYPE	INTEGRAL PIPING	MONITORING SYSTEM	TANK STAT
1	12000	A	XX XX	A	A	D	AB	FB

COMMENTS: (1) Tank removed prior to F.A.C. 17-761
(2) FL Express trucking has been out of business for over 3yrs.
(3) Mid FL Freezer is the current owner, owner does not have any documentation of tank removal, no tanks (fill pipes, vent pipes etc.) noted on this site
(4) Registration application left w/ owner to change tank status

INSPECTION TYPE (CHOOSE ONE)
✓ ROUTINE
__ INSTALL
__ ABANDONED
__ DISCHARGE
__ CLOSURE
__ REINSPECT

SITE INFORMATION (ALL THAT APPLY)
__ NEAR PUB WELL
__ CONTAMINATED
__ COMPLAINT
__ ACID TANKS
__ REPAIRED
__ UPGRADED
__ UST & AST
__ HAZARD MAT

DER DISTRICT OR LOCAL PROGRAM: OCEPD

INSPECTOR NAME (PRINT) K. S Boik
[signature] 10/13/92
INSPECTOR'S SIGNATURE & DATE

CONTACT NAME (PRINT) Donnie Block
[signature] Robison 10-13-92
CONTACT'S SIGNATURE & DATE

DER FORM 761-01-91

Name FL Express Trucking
Facility ID # 488513283
Date 10/13/92

ABOVEGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

			Yes	No	Unk	N/A
I.	**REGISTRATION/NOTIFICATION:** Comments:					
1.	Facility has registered all applicable tanks on site; 17-762.400	1.				✓
2.	Current registration placard is properly displayed; 17-762.410(4)	2.				✓
	Proper notification has been made for the following; 17-762.450:					
3.	Abandonment and closure (30 days prior); (1) (a)	3.				✓
4.	Change of ownership (30 days after); (1) (b)	4.				✓
5.	Retrofitting, replacement or upgrading; (10 days prior); (1) (c)	5.				✓
6.	Change of tank status (in service/out-of-service); (1) (d)	6.				✓
7.	Change of facility status (e.g. substances stored); (1) (e)	7.				✓
8.	Change of method of financial responsibility (within 30 days); (2)	8.				✓
9.	The facility owner/operator notified D.E.R. of internal tank inspection 24 hrs prior to the test; (3)	9.				✓
10.	Loss of greater than 100 gallons on an impervious surface or 500 gallons inside secondary containment within one working day; .450(4)	10.				✓

II.	**RECORD KEEPING:** Comments:					
11.	All records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	11.				✓
12.	Some but not all records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	12.				✓

III.	**REPORTING/DISCHARGE RESPONSE/REPAIRS:** Comments:					
	Proper reporting requirements met for the following: 17-762.460					
13.	Integral piping tightness test failure within 10 days; (1)	13.				✓
14.	Pollutant discharge exceeding 25 gallons on a pervious surface; (2)	14.				✓
15.	Positive response of a release detection device within one working day; (3)	15.				✓
	The owner or the operator of the system which has discharged has:					
16.	Taken it out-of-service; 17-762.700 (1), had it repaired or replaced; .700, or properly closed it; .800	16.				✓
17.	Removed any regulated substances from the system; 17-762.820 (1)	17.				✓
18.	Tightness tested all repaired components before placing them back in service; 17-762.700 (5) & (6)	18.				✓
19.	Begun initial corrective actions for a release; 17-762.820 (2)	19.				✓

IV.	**INVENTORY REQUIREMENTS FOR TANKS IN CONTACT WITH SOIL:** Comments:					
20.	All inventory requirements maintained in accordance with 17-762.720 (1)	20.				✓
21.	Some, but not all inventory requirements maintained in accordance with 17-762.720 (1)	21.				✓

Name: FL. Express Trucking
Facility ID # 488513283
Date: 10/13/92

ABOVEGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

			Yes	No	Unk	N/A
V.	PERFORMANCE STANDARDS/REPAIRS/CATHODIC PROTECTION: Comments:					
	Storage tank criteria 17-762.500					
22.	Meets construction upgrading schedule; .510 and .520	22.				
23.	Meets applicable storage tank standards; (1), (2) & (3)	23.				
24.	Tank has secondary containment system; .500 (6)	24.				
25.	Tank equipped with overfill protection ; (3) (f) 1-4, (g)	25.				
	Piping criteria					
26.	Meets new piping standards with secondary containment; .500 (4) & .600 (4)	26.				
27.	Meets construction upgrading schedule; 17-762.510 (3), & 520 (2)	27.				
	Repairs to storage tank systems; 17-762. 700					
28.	Failed storage tank system component properly repaired; (1)-(4)	28.				
29.	Tightness testing of the repaired component prior to being brought back into service; (5)	29.				
	Cathodic Protection; 17-762.730					
30.	Cathodic protection system for tank and piping provides continuous protection; (1)-(4)	30.				
	Secondary containment; 17-762.500					
31.	Does containment area have sufficient volume; .500 (6) (a) (2)	31.				
32.	Is the containment area made out of impervious material in accordance with Chapter 17-762, F.A.C., requirements; (6) (a) (1)	32.				
33.	Is the containment area equipped with drainage system or protected from accumulation of rain; (6) (a) (3)	33.				
34.	Hydrant pits equipped with spill prevention equipment; (5)	34.				
VI.	RELEASE DETECTION/MONITOR WELLS: Comments:					
35.	Facility has an approved release-detection system; 17-762.600 & 17-762.860	35.				
36.	Monitoring wells properly designed, constructed and installed; 17-762.640 or 17-762.600 (6)	36.				
37.	Interstitial monitoring adequate to detect a release from integral piping; 17-762.600 (4) & (5)	37.				
VII.	OUT-OF-SERVICE STATUS Comments:					
38.	Are the corrosion protection devices properly maintained; 17-762.800 (1) (a)	38.				
39.	Is the vent line and other ancillary equipment properly secured and maintained; (1) (b)	39.				
40.	Tests performed to insure the integrity of out-of-service system prior to being returned to service; (1) (c)	40.				
VIII.	VARIANCE Comments:					
41.	Has the facility applied for an Alternate Procedure; 17-762.850 (1)	41.				
IX.	OTHER Comments:					
42.	Any other violations noted during inspection (Explain in comments)	42.				

DER Form 762-01-91 (2 pages)

INSPECTOR COPY

APPENDIX I

FDEP REGULATORY FILE DOCUMENTS -- WEST ADJOINING PROPERTIES

- 2501 W. Orange Avenue (Coca-Cola Company Flavor Manufacturing)
  - June 6, 2022, FDEP Hazardous Waste Inspection Report
  - March 2024 Semi-Annual Groundwater Sampling Report and No Further Action without Conditions Request
  - November 26, 2024, FDEP Site Rehabilitation Completion Order (SRCO)
- 2651 W. Orange Avenue (Coca-Cola Company)
  - April 25, 2019, UST Closure Report prepared by Wood Environmental & Infrastructure, Inc.
  - July 4, 2019, FDEP Site Rehabilitation Completion Order without Conditions (SRCO)
- 2659 W. Orange Avenue (Coca-Cola North America)
  - March 2023 FDEP Hazardous Waste Generator Classification and Number
  - October 18, 2024, FDEP Hazardous Waste Generator Classification and Number

FLORIDA DEPARTMENT OF
Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

July 26, 2022

Karen Crown, SES Manager
Flavor Manufacturing
2501 W. Orange Avenue
Apopka, FL 32703
kcrown@coca-cola.com

Re: Coca-Cola Company Flavor Manufacturing
2501 W. Orange Ave. Apopka, FL 32703
HW Facility ID No.: FLR000047506
Orange County

Dear Ms. Crown:

Department personnel conducted an inspection of the above-referenced facility on June 21, 2022. Based on the information provided during and after the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Gina Laddick at 407-897-4309 or via e-mail at Gina.Laddick@FloridaDEP.gov.

Sincerely,

Daniel K. Hall, Manager
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Gina Laddick, CD DEP, Gina.Laddick@FloridaDEP.gov
Hal Tarleton, Coca-Cola Company, htarleton@coca-cola.com

Florida Department of

Environmental Protection

Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: The Coca-Cola Company Flavor Manufacturing

On-Site Inspection Start Date: 06/21/2022 **On-Site Inspection End Date:** 06/21/2022

ME ID#: 29298 **EPA ID#:** FLR000047506

Facility Street Address: 2501 Orange Ave , Apopka, Florida 32703-3346

Contact Mailing Address: 2501 W Orange Ave, Apopka, Florida 32703-3346

County Name: Orange **Contact Phone:** (407) 358-6740

NOTIFIED AS:

SQG (100-1000 kg/month)

WASTE ACTIVITIES:

Generator: SQG

INSPECTION TYPE:

Routine Inspection for SQG (100-1000 kg/month) Facility

INSPECTION PARTICIPANTS:

Principal Inspector: Gina Laddick, Inspector

Other Participants: Miranda Rothenberger, Environmental Consultant; Hal Tarleton, Engineer; Karen Crown, Safety, Environmental, and Security Manager

LATITUDE / LONGITUDE: Lat 28° 41' 15.55" / Long 81° 33' 1.86"

NAIC: 311942 - Spice and Extract Manufacturing

TYPE OF OWNERSHIP: Private

Introduction:

On June 21, 2022, Gina Laddick and Miranda Rothenberger, Florida Department of Environmental Protection (FDEP or Department), inspected The Coca-Cola Company Flavor Manufacturing (Coca-Cola or Facility), located at 2501 W Orange Ave, Apopka, Florida, for compliance with state and federal hazardous waste regulations. The facility was represented by Karen Crown, Safety, Environmental, and Security Manager, and Hal Tarleton, Engineer. The facility has approximately 100 employees. The facility is operated 24 hours per day, 5 days per week, Monday through Friday, utilizing three shifts where employees are on-site. Water is provided by the City of Apopka.

This facility initially notified the state as a Small Quantity Generator (SQG) on October 26, 1998, under the name of Minute Maid Co and was issued EPA identification number FLR000047506. The facility then notified with the state as an SQG on May 3, 2010, under the name Coca-Cola Company Flavor Manufacturing. Recently, the facility notified the state as an SQG on January 13, 2022, and maintains EPA identification number FLR000047506.

Coca-Cola was previously inspected on July 9, 2018 for the first time by the Department and was determined to be in compliance with state and federal hazardous waste regulations.

Process Description:

This Coca-Cola facility consists of a 34,896 square foot building that houses two main laboratories, several offices, and storage areas. The facility conducts testing and manufactures flavors for a variety of beverages. There are two floors in the facility, with one laboratory on each floor. The laboratories are the only source of hazardous waste on-site.

Laboratories:

The first-floor laboratory is the Flavor Lab which supports most of the flavor plant. This lab houses several Satellite Accumulation Areas (SAA). The hazardous waste is produced from the auto titration machines in the lab. At the time of the inspection the following waste was in the IQC Flavor Lab:

- Three 2-gallon containers labelled with the words “hazardous waste” and marked with an NFPA diamond to indicate the hazards of the contents.

The second-floor laboratory is known as the Florida Juice Quality Control Lab (FJQC Lab) where juice quality is inspected and tested. The lab uses instruments to detect for foreign substances in juice sampling. Each machine in the lab has a SAA of hazardous waste, the following waste was in the FJQC Lab:

- Fourteen 2-gallon containers
- Two 1-gallon contained

All containers were labelled hazardous waste and marked with an NFPA diamond to indicate the hazards of the contents.

The second floor also contains a sample prep lab for extraction purposes. The following waste was in the sample prep lab:

- Three 2-gallon containers labelled hazardous waste and marked with an NFPA diamond to indicate the hazards of the contents.

Storage:

In the Mezzanine storage area located in the back of the building were two boxes of universal waste lamps dated May 18, 2022. The printed label was initially not visible, and the facility added the words “Universal Waste Lamps” during the inspection [40 CFR 273.14(e)].

Central Accumulation Area (CAA):

The last area of the facility to be inspected was the Central Accumulation Area (CAA). This area had several rows of empty drums and many 2-gallon containers of hazardous waste. This area did not have adequate aisle space and a proper count of the containers could not be conducted [40 CFR 262.16(b)(8)(v)].

Records Review:

Hazardous Waste Manifests for the last three years (June 2019 through June 2022) were available on-site for review. The facility typically utilizes Clean Harbors (MAD039322250) as their hazardous and non-hazardous waste transporter. Robbie N Wood, INC (ALD067138891) is used as a second transporter and Tristate Motor Transit Co (MAD095038998) is used as a third transporter when necessary. Waste shipments are either taken to Clean Harbors Deer Park (TXD055141378) or Clean Harbors El Dorado (ARD069748192). The most recent Land Disposal Restriction notice was signed on May 6, 2022, provided by Clean Harbors.

During a review of the weekly inspections from June 2019 through June 2022 of the CAA, it was noted that there were several weeks in which inspections were not conducted: 13 weekly inspections in 2019, 10 weekly inspections in 2020, 1 weekly inspection in 2021, and 3 weekly inspections in 2022. The inspection records did not document the time that the inspection was conducted, and several inspections did not report the number of containers [62-710.160(3), F.A.C.].

Employee training is tracked through the facility’s Access database. All employees receive a Hazardous Waste and Universal Waste Classroom Training. The training is given annually, and new employees receive this training within the first week of hire during their orientation period. Employees that are responsible for shipment of waste off-site and manifest handling are provided given a DOT training and annual refresher.

Coca-Cola maintains an Emergency Action Plan which adequately contains all required information. The

Emergency Action Plan lists Karen Crown as the main emergency contact of the facility. Alternative contacts are listed as Kathleen Squillante and Tracey Brown. This document was last revised on March 11, 2022.

The notification to local authorities was completed through the Tier II reporting completed by the facility. The most recent notification was March 1, 2021, and the local authority notified was State Emergency Response Commission.

Citrus Terpene Release (SWO Report # 2022-3486):

On May 17, 2022, Coca-Cola reported to the State Watch Office (SWO) of a Citrus Terpene release in Apopka, Florida. Approximately 100 pounds of terpenes were released from the plant due to an equipment malfunction. It was reported that no waterways or storm drains were impacted. The release was stopped, and appropriate hazardous waste cleanup actions were taken and the spill was appropriately reported. It was determined that this spill release was not a release of hazardous waste, and the contents were transported accordingly.

New Potential Violations and Areas of Concern:

Violations

Type:	Violation
Rule:	262.16(b)(8)(v)
Question Number:	3.101
Question:	Is there adequate aisle space to allow unobstructed movement of facility personnel and emergency equipment to any area of the facility where needed? 262.16(b)(8)(v)
Explanation:	The small quantity generator must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Corrective Action:	The facility failed to maintain adequate aisle space in the central accumulation area. The facility is required to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes. On June 23, 2022, the facility provided photo documentation that the the central accumulation area was reconfigured and adequate aisle space will continue to be maintained.

Type:	Violation
Rule:	273.14(e)
Explanation:	Each lamp or a container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: “Universal Waste - Lamp(s),” or “Waste Lamp(s),” or “Used Lamp(s)”.
Corrective Action:	The facility failed to have a container clearly labeled. The facility is required to label or clearly mark each container with one of the following phrases: “Universal Waste - Lamp(s),” or “Waste Lamp(s),” or “Used Lamp(s)”. On the date of the inspection, June 21, 2022, the facility properly labeled the container.

Type:	Violation
Rule:	62-730.160(3)
Question Number:	3.68

Question:	Does the generator properly document the weekly inspections? This should include at a minimum:(Check items below that are NOT in compliance) 62-730.160(3)
Explanation:	Generators of hazardous waste who accumulate hazardous waste on-site under 40 CFR 262.16, and 262.17 [as adopted in subsection 62-730.160(1), F.A.C.], shall maintain written documentation of the inspections required under 40 CFR Part 265 [as adopted in subsection 62-730.180(2), F.A.C.], and 40 C.F.R 262.16 and 262.17 [as adopted in subsection 62-730.160(1), F.A.C.]. The generator shall keep the written documentation of the inspections under this section for at least three years from the date of the inspection. At a minimum, this documentation shall include the date and time of the inspection, the legibly printed name of the inspector, the number of containers, the condition of the containers, a notation of the observations made, and the date and nature of any repairs or other remedial actions. The facility failed to document weekly inspections during several periods. Additionally, the facility failed to document the time of the inspection on all inspections within the review period.
Corrective Action:	The facility is required to conduct an inspection at least weekly of all central accumulation areas of hazardous waste, and document the inspection in accordance with 62-730.160(3), F.A.C. On June 23, 2022, the facility acknowledged the discrepancies of the weekly inspections and modified the weekly inspection report to include a record of the time that the inspection was conducted.

Conclusion:

Coca-Cola Company Flavor Manufacturing was inspected on June 21, 2022 for compliance with state and federal hazardous waste regulations and was out of compliance at the time of the inspection.

3.0: Small Quantity Generator Checklist

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Note: Checklist items with shaded boxes are for informational purposes only.

Item No.	40 CFR 262 Subpart A -- General Standards	Yes	No	N/A
3.1	Has the facility properly identified all hazardous waste streams? 262.11	✓		
3.2	Has the facility obtained an EPA ID number? 262.18(a)	✓		
3.3	Is the facility disposing of all its hazardous wastes to facilities permitted to accept the waste? 262.18(c)	✓		
3.4	Are any hazardous wastes treated or disposed of on site?			
3.5	If YES, did the facility meet an exclusion or exemption from hazardous waste permit requirements? 268.7(a)(5), 62-730.240(1)			✓
Item No.	Land Disposal Restrictions	Yes	No	N/A
3.6	Does the facility ensure restricted waste streams are not diluted as a substitute for treatment? 268.3(a)			✓
3.7	Is the generator managing and treating prohibited waste or contaminated soil in tanks, containers, or containment buildings to meet applicable LDR treatment standards found at 268.40? 268.7(a)(5)			✓
3.8	Has the generator developed a waste analysis plan (WAP) describing procedures they will carry out to comply with the treatment standards? 268.7(a)(5)			✓
3.9	If the generator has a WAP, is it based on a detailed chemical and physical analysis of the prohibited waste(s) being treated? 268.7(a)(5)(i)			✓
3.10	If the generator has a WAP, does it include all the information necessary to treat the waste(s), including selected testing frequency? 268.7(a)(5)(i)			✓
3.11	Is the waste analysis plan in the facility's on-site files and available to inspectors? 268.7(a)(5)(ii)			✓
3.12	Did the generator comply with the notification requirements of 268.7(a)(3) for treated wastes shipped off-site? 268.7(a)(5)(iii)			✓
3.13	Has the generator determined all applicable hazardous waste codes associated with hazardous waste generated? 268.9(a)	✓		
3.14	If the waste is characteristic hazardous waste (and not D001 nonwastewater treated by CMBST, RORGS, or POLYM of 268.42 Table 1) did the generator identify reasonably expected underlying hazardous constituents? 268.9(a)			✓
3.15	If the hazardous waste is land disposed, did it meet the treatment standard requirements of 268.40? 268.40(a)			✓
3.16	If the waste or contaminated soil does not meet the treatment standards did the generator send a one-time written notice to the TSD containing all required information? 268.7(a)(2)			✓
3.17	If the generator choses not to determine if the waste meets the treatment standards did the generator send a one-time written notice to the TSD containing all required information? 268.7(a)(2)	✓		
3.18	If the waste or contaminated soil met the treatment standards did the generator send a one-time written notice to the TSD containing all required information? 268.7(a)(3)			✓
3.19	Did the generator retain on-site a copy of all notices, certifications, waste analysis data, and other documentation produced for at least 3 years from the date the waste was last shipped?	✓		

	268.7(a)(8)			
3.20	Is the generator managing lab packs using the alternative treatment standard for lab packs in 268.42(c)? 268.7(a)(9)			
3.21	Did the generator meet the requirements identified in 268.7(a)(9) for use of the alternative treatment standards for lab packs? 268.7(a)(9)			✓
3.22	Is the generator a small quantity generator (SQG) using a tolling agreement pursuant to 40 CFR 262.20(e)?			
3.23	Did the SQG comply with the applicable notification and certification requirements of 268.7(a) for the initial shipment of waste subject to the agreement? 268.7(a)(10)			✓
3.24	Has the SQG retained on-site a copy of the notification and certification, along with the tolling agreement, for at least 3 years after termination or expiration of the agreement? 268.7(a)(10)			✓
Item No.	The Manifest	Yes	No	N/A
3.25	Did the facility use a properly completed manifest for all its hazardous waste shipments? (Check items below that are NOT in compliance) 262.20(a)(1) ☐ Item 1. Generator's U.S. EPA Identification Number ☐ Item 2. Page 1 of "X" (total number of pages used to complete the manifest) ☐ Item 3. Emergency Response Phone Number (must meet requirements below) ☐ Item 4. Manifest Tracking Number ☐ Item 5. Generator's Mailing Address, Phone Number and Site Address ☐ Item 6. Transporter 1 Company Name & U.S. EPA ID Number ☐ Item 7. Transporter 2 Company Name & U.S. EPA ID Number ☐ Item 8. Designated Facility Name, Site Address, Phone Number, and U.S. EPA ID Number ☐ Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number and Packing Group. ☐ Item 10. Containers (Number and Type) ☐ Item 11. Total Quantity (Round to nearest whole unit; container capacities are not acceptable as estimates) ☐ Item 12. Units of Measure (Weight/Volume) ☐ Item 13. Waste Codes. Enter up to 6 of the most representative waste codes. ☐ Item 14. Special Handling Instructions and Additional Information ☐ Item 15. Generator's / Offeror's Certifications ☐ Item 16. International Shipments (Import or Export must be noted) ☐ Item 17. Transporter's Acknowledgment of Receipt (printed name, signature, date of receipt) ☐ Item 18. Discrepancy (Discrepancies between waste described on manifest and waste received by facility) ☐ Item 19. Hazardous Waste Report Management Codes ☐ Item 20. Designated Facility Owner or Operator Certification of Receipt (printed name, signature, date of receipt)	✓		
3.26	Did the facility designate on the manifest one facility which is permitted to handle the waste described on the manifest? 262.20(b)	✓		
3.27	Did the generator sign the manifest certification by hand? 262.23(a)(1)	✓		
3.28	Did the generator obtain the handwritten signature of the initial transporter and date of acceptance on the manifest? 262.23(a)(2)	✓		
3.29	Did the generator retain one copy of the manifest for 3 years or until a copy of the signed manifest was received from the Designated Facility (TSD)? 262.23(a)(3)	✓		

3.30	For any bulk shipments within the U.S. solely by water did the generator provide 3 copies of the signed and dated manifest to the Designated Facility? 262.23(c)			✓
3.31	For rail shipments originating at the site of generation did the generator provide at least 3 signed and dated manifests to one of the entities below: (Check items below that are not in compliance) 262.23(d) ☐ The next non-rail transporter? ☐ The Designated Facility if transported solely by rail? ☐ The last rail transporter to handle the waste in the U.S. if exported by rail?			✓
3.32	If the generator did not receive a signed return copy of the manifest from the designated facility within 60 days of shipment, did the generator file an exception report? 262.42(b)			✓
3.33	Did the generator maintain manifests for 3 years? 262.40(a)	✓		
3.34	Did the facility have any rejected shipments of hazardous waste or container residues returned by the Designated Facility?			
3.35	If YES, did the generator meet the requirements of 40 CFR 262.23(f)? 262.23(f)			✓
Item No.	Pre Transport Requirements	Yes	No	N/A
3.36	Before transporting or offering hazardous waste for transport off-site, did the generator package the waste in accordance with 49 CFR parts 173, 178, and 179? 262.30			✓
3.37	Before transporting or offering hazardous waste for transport off-site, did the generator label each package in accordance with 49 CFR part 172? 262.31			✓
3.38	Before transporting or offering hazardous waste for transport off-site, did the generator mark each package in accordance with 49 CFR part 172? 262.32(a)			✓
3.39	Before transporting or offering hazardous waste for transport off-site, did the generator mark each container of 119 gallons or less with the following? (Check items below that are NOT in compliance) 262.32(b) ☐ Generator's Name and Address? ☐ Generator's EPA ID Number? ☐ Manifest Tracking Number?			✓
3.40	Before transporting or offering hazardous waste for transport off-site, did the generator offer the initial Transporter the appropriate DOT Placards? 262.33			✓
Item No.	Accumulation Requirements	Yes	No	N/A
3.41	Does the facility accumulate hazardous waste on-site prior to treatment or disposal? 262.16	✓		
3.42	Check the applicable accumulation unit if the facility accumulates hazardous waste on-site prior to treatment or disposal ☑ Containers - Complete Container Checklist below ☐ Tanks - Complete Tanks Checklist below			
3.43	Does the facility comply with the 180-day accumulation time limit? 262.16(b)	✓		
3.44	If NO, has the facility been issued an extension by the Department? 262.16(d)			✓
3.45	Does the facility comply with the 6000 kg maximum accumulation of hazardous waste? 262.16(b)(1)	✓		
3.46	Has the generator ensured the accumulation start date is visible for inspection on each hazardous waste container? 262.16(b)(6)(i)(C)	✓		
3.47	Has the generator ensured each hazardous waste container and tank is labeled or marked clearly with the words "Hazardous Waste"? 262.16(b)(6)(i)(A)	✓		
3.48	Are Satellite Accumulation points used? (If No, mark all items below as N/A.)			
3.49	Are satellite containers at, or near, the point of generation where wastes initially accumulate? 262.15(a)	✓		

3.50	Are satellite containers under the control of the operator of the process generating the waste? 262.15(a)	✓		
3.51	Are satellite containers in good condition? (Check for leaks, corrosion, dents, bulges, etc.) 262.15(a)(1)	✓		
3.52	Are satellite containers in use made of, or lined with, materials that are compatible with the hazardous waste to be stored? 262.15(a)(2)	✓		
3.53	Does the generator keep satellite containers closed during storage, except when adding or removing waste? 262.15(a)(4)	✓		
3.54	Has the generator marked satellite containers with the words "Hazardous Waste"? 262.15(a)(5)	✓		
3.55	Is greater than 55 gallons of hazardous waste or 1 quart of acutely hazardous waste accumulated in the Satellite point?			
3.56	If YES, after 3 days did the generator mark or label an accumulation start date on the excess waste containers ? 262.15(a)(6)			✓
Item No.	Emergency Information/Personnel Training	Yes	No	N/A
3.58	Has the facility identified at least one employee to act as the Emergency Coordinator? 262.16(b)(9)(i)	✓		
3.59	Has the facility posted required emergency information next to a telephones or in areas directly involved in the generation and accumulation of hazardous waste? (Check items below that are NOT in compliance) 262.16(b)(9)(ii) ☐ Name and telephone number of the Emergency Coordinator ☐ Location of fire extinguishers and spill control material, and, if present, fire alarm ☐ Telephone number of the fire department, unless the facility has a direct alarm (911 is acceptable)	✓		
3.60	Are all employees thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies? 262.16(b)(9)(iii)	✓		
3.61	Has the facility had to respond to any emergencies in the past 3 years?			
3.62	If YES, did the facility respond in a manner described below, or other appropriate manner? (Check items below that are NOT in compliance) 262.16(b)(9)(iv) ☐ FIRE - Call fire department or attempt to extinguish with a fire extinguisher ☐ SPILL - Contain the waste and clean up any hazardous waste and contaminated materials and soil ☐ FIRE, EXPLOSION, or RELEASE that posed threat - Notify the State Watch Office and National Response Center and report			✓
Item No.	Use and Management of Containers	Yes	No	N/A
3.63	Does the generator use hazardous waste containers that are in good condition? (Check for leaks, corrosion, dents, bulges, etc.) 262.16(b)(2)(i)	✓		
3.64	Does the generator use hazardous waste containers that are made of, or lined with, materials compatible with the hazardous waste to be stored? 262.16(b)(2)(ii)	✓		
3.65	Has the generator keep hazardous waste containers closed during storage, except when adding or removing waste? 262.16(b)(2)(iii)(A)	✓		
3.66	Does the generator ensure hazardous waste containers are not opened, handled, or stored in a manner that may rupture the container or cause it to leak? 262.16(b)(2)(iii)(B)	✓		
3.67	Does the generator conduct weekly inspections of areas where hazardous waste containers are stored? (Sometime during calendar week) 262.16(b)(2)(iv)	✓		
3.68	Does the generator properly document the weekly inspections? This should include at a minimum:(Check items below that are NOT in compliance) 62-730.160(3) ☐ Date and Time of inspection		✓	

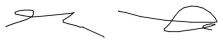
	☐ Legibly printed name of inspector ☐ Number of hazardous waste containers ☐ Condition of containers ☐ Notation of observations made ☐ Date and nature of any repairs or remedial actions			
3.69	If the facility places incompatible wastes, or incompatible waste and materials in the same container, is it done in compliance with 40 CFR 262.16(b)(2)(v)(A)? 262.16(b)(2)(v)(A)			✓
3.70	If the facility places hazardous waste in an unwashed container that previously held incomplatible wastes or materials, is it done in compliance with 40 CFR 262.16(b)(2)(v)(B)? 262.16(b)(2)(v)(B)			✓
3.71	Are containers holding a hazardous waste that are stored near incompatible waste or other materials protected from that waste or material (kept apart)? 262.16(b)(2)(v)(C)			✓
Item No.	Tanks Requirements for SQGs	Yes	No	N/A
3.72	Does the facility treat or store hazardous waste in tanks?			
3.73	If YES, does the facility comply with the requirements of 40 CFR 265.17(b)? 262.16(b)(3)(ii)(A)			✓
3.74	Has the facility ensured no hazardous waste or treatment reagent is placed in a tank that could cause the tank or inner liner to rupture, leak, corrode, or otherwise fail? 262.16(b)(3)(ii)(B)			✓
3.75	Are uncovered tanks operated to ensure at least 60 centimeters (2 feet) of freeboard, unless the tank is equipped with containment that meets or exceeds the volume of the top 2 feet of the tank? 262.16(b)(3)(ii)(C)			✓
3.76	If hazardous waste is continuously fed into a tank, is the tank equipped with a means to stop this inflow (waste feed cut-off or by-pass system)? 262.16(b)(3)(ii)(D)			✓
3.77	Does the facility inspect, where present, the following at least once each operating day:			
3.78	Discharge Control Equipment (waste feed cut-off, by-pass, and drainage systems)? 262.16(b)(3)(iii)(A)			✓
3.79	Data gathered from monitoring equipment (e.g., pressure and temperature gauges)? 262.16(b)(3)(iii)(B)			✓
3.80	The level of waste in the tank? 262.16(b)(3)(iii)(C)			✓
3.81	Does the facility inspect the following at least weekly:			
3.82	The construction materials of the tank to detect corrosion or leaking of fixtures or seams? 262.16(b)(3)(iii)(D)			✓
3.83	The construction materials of, and the area immediately surrounding, discharge confinement structures (e.g., dikes) to detect erosion or obvious signs or leakage? 262.16(b)(3)(iii)(E)			✓
3.84	Does the facility accumulate waste in tanks or tank systems that have full secondary containment and either leak detection equipment to alert facility personnel to leaks or established workplace practices to ensure leaks are promptly identified?			
3.85	If YES, does the facility inspect Discharge Control Equipment, Data, and Level of waste in tanks at least weekly? 262.16(b)(3)(iv)			✓
3.86	Is the use of the alternate inspection schedule (weekly versus daily) documented in the facility's operating record? 262.16(b)(3)(iv)			✓
3.87	Does the documentation include a description of the established workplace practices at the facility? 262.16(b)(3)(iv)			✓
3.88	Upon closure of the facility, was all hazardous waste removed from tanks, discharge control equipment, and confinement structures? 262.16(b)(3)(vi)			✓
3.89	Does the facility manage ignitable or reactive waste in tanks?			
3.90	If YES, does the facility meet one of the following 3 conditions? (Check the condition that applies below) 262.16(b)(3)(vii)(A)			✓

	☐ If ignitable or reactive waste is placed in a tank is the waste treated, rendered, or mixed before or immediately after placement in the tank so that (A) the resulting mixture no longer meets the definition of ignitable or reactive waste and (B) the requirements of 265.17(b) - no risk of fire, explosion, fumes, gases, damage to integrity of the device, etc. - are met? ☐ If ignitable or reactive waste is placed in a tank is the waste treated or stored in such a way that it is protected from any material or conditions that may cause the waste to ignite or react? ☐ If ignitable or reactive waste is placed in a tank is the tank used solely for emergencies?			
3.91	If the facility treats or stores ignitable or reactive waste in a covered tank does the facility comply with the buffer zone requirements for tanks contained in Tables 2-1 through 2-6 of the National Fire Protection Association's "Flammable and Combustible Liquids Code"? 262.16(b)(3)(vii)(B)			✓
3.92	If incompatible wastes or incompatible waste and materials are placed in the same tank does the facility comply with the requirements of 265.17(b) - no risk of fire, explosion, fumes, gases, damage to integrity of the device, etc. - are met? 262.16(b)(3)(vii)(C)(1)			✓
3.93	If hazardous waste is placed in an unwashed tank which previously held an incompatible waste or material does the facility comply with the requirements of 265.17(b) - no risk of fire, explosion, fumes, gases, damage to integrity of the device, etc. - are met? 262.16(b)(3)(vii)(C)(2)			✓
Item No.	Preparedness and Prevention	Yes	No	N/A
3.94	Is there no evidence of a fire, explosion or release of hazardous waste or hazardous waste constituents to the environment? 262.16(b)(8)(i)	✓		
3.95	Does the facility have an internal communication or alarm system? 262.16(b)(8)(ii)(A)	✓		
3.96	Is there a telephone, alarm, 2-way radio or other device at the scene of operations immediately available and capable of summoning assistance? 262.16(b)(8)(ii)(B)	✓		
3.97	Is the fire control equipment adequate? 262.16(b)(8)(ii)(C)	✓		
3.98	Is spill control and decontamination equipment present? 262.16(b)(8)(ii)(C)	✓		
3.99	If sprinklers, water hoses or foam producing equipment is part of the facility fire control equipment, is water available at adequate volume and pressure? 262.16(b)(8)(ii)(D)			✓
3.100	Is the emergency equipment inspected and tested periodically? 262.16(b)(8)(iii) If yes, how many times per year?262.16(b)(8)(v)			✓
3.101	Is there adequate aisle space to allow unobstructed movement of facility personnel and emergency equipment to any area of the facility where needed? 262.16(b)(8)(v)		✓	
3.102	Has the facility made emergency response arrangements with the following: 262.16(b)(8)(vi)(A) ☐ Fire Department ☐ Police ☐ Hospital ☑ Emergency Response Contractor	✓		
3.103	If NO has the facility attempted to do so and is the refusal documented? 262.16(b)(8)(vi)(B)			✓
Item No.	Record keeping and Reporting	Yes	No	N/A
3.104	Is the generator keeping records of exception reports? 262.42(b)			✓
3.105	Is the generator keeping records of test results, waste analysis or other determinations made in accordance with 262.11? 262.11(f)	✓		
3.106	Are the records kept on-site? 262.40	✓		
3.107	Are records kept for a minimum of 3 years? 262.40	✓		
3.108	Has the generator exported any waste outside the U.S.? (If No, mark item below as N/A.)			

3.109	If YES, did the generator provide EPA with notification of the intended export 60 days before the initial shipment was inteneded to be shipped off-site? 262.83(b)			✓
3.110	Has the generator imported any hazardous waste into the U.S.? (If No, mark item below as N/A.)			
3.111	If YES, did the generator meet all of the requirements of 40 CFR 262.83? 262.83			✓

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737 & 62 -740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C

Gina Laddick	Inspector	
Principal Investigator Name	**Principal Investigator Title**	
	DEP	07/21/2022
Principal Investigator Signature	**Organization**	**Date**

Miranda Rothenberger	Environmental Consultant
Representative Name	**Representative Title**
	DEP
	Organization

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Hal Tarleton	Engineer
Representative Name	**Representative Title**
	Coca-Cola Company
	Organization

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Karen Crown	Safety, Environmental, and Security Manager
Representative Name	**Representative Title**
	Coca-Cola Company
	Organization

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Report Approvers:

Approver:	Daniel K. Hall	**Inspection Approval Date:**	07/22/2022

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Semi-Annual Groundwater Sampling Report
And No Further Action without Conditions Request
Relative to Tank No. 306
Special Product Division
2501 West Orange Avenue
Apopka, Florida 32703
WCU Site ID: ERIC_12758

March 6, 2024

Prepared for:

FDEP Central District
Waste Cleanup
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767

Johanna Leonard

AND

The Coca-Cola Company
Special Products Division
2501 West Orange Avenue
Apopka, FL 32703

Tracey Brown

Prepared by:

Ardaman & Associates, Inc.
8008 South Orange Avenue
Orlando, FL 32809

Mr. Carl R. Stephens, P.E.
Ms. Kathryn B. Minter

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

March 6, 2024
File No. 10-6687A

FDEP Central District
Waste Cleanup
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767

Attention: Ms. Johanna Leonard

Subject: Semi-Annual Groundwater Sampling Report
And No Further Action without Conditions Request
Relative to Tank No. 306
Special Products Division
2501 West Orange Avenue
Apopka, Florida 32703
WCU Site ID: ERIC_12758

Dear Ms. Leonard:

Ardaman & Associates, Inc. (Ardaman) is pleased to submit the results of the Semi-Annual Groundwater Sampling Report for the above-referenced project. The purpose of this sampling and testing program was to provide current groundwater quality information.

SITE LOCATION AND BACKGROUND INFORMATION

The subject site, a Coca-Cola plant, is located on the northwest corner of West Orange Avenue and Boy Scout Boulevard in Apopka, Orange County, Florida. The site is situated in the southeast quarter of Section 6, Township 21 South, Range 28 East and is superimposed on the Apopka, Florida, USGS Quadrangle Map presented as the Site Location Map, **Figure 1**.

On July 16, 2010, Ardaman conducted a Subsurface Soil Exploration and Geotechnical Engineering Evaluation of the Settlement of Concrete Pavement in the area of Tank No. 306. During the laboratory observation of the soil samples obtained during the course of the geotechnical exploration, a “chemical” odor was noted in Boring DCP-2 throughout the depth of the boring.

A Preliminary Contamination Assessment was conducted and consisted of soil screening at four boring locations (TH-1, TH-2, HAB-3 and HAB-4) and installing and sampling one temporary monitoring well (TMW-1). No “chemical”-type odor was noted in the samples from the borings conducted during the LSA; however, moderate to very strong citrus-type odors and elevated net OVA readings were noted in vadose zone soil samples (to a depth of 12 feet bls) from borings TH-1 through TH-5 and from borings HAB-3 and HAB-4. Eight soil samples were collected for laboratory analysis. TPH was detected in soil sample TH-3-12 at a concentration of 370 mg/Kg, which exceeded the leachability-based soil cleanup target level (LSCTL); however, since the soil sample was obtained at a depth of 12 feet bls, it is not considered vadose zone soil contamination (the top of the smear zone was estimated to be at a depth of 12 feet). No COCs were detected above soil cleanup target levels (SCTLs) in samples HAB-3-4, HAB-4-4, TH-4-, TH-5-10 and TH-7-6 and no vadose zone soil contamination appeared to exist in the area of investigation.

Water table wells MW-1 through MW-7 and MW-9 through MW-12 and vertical delineation well MW-8D were installed for sampling. No contaminants were detected above groundwater cleanup target levels (GCTLs) in the samples from wells MW-3, MW-4, MW-7, MW-8D, MW-9, MW-10, MW-11 and MW-12. Benzene, p-isopropyltoluene (associated with peel oil), isopropylbenzene and TPH were reported above GCTLs in the groundwater samples from wells MW-1, MW-2, MW-5 and MW-6. Isopropylbenzene also exceeded the natural attenuation monitoring default source concentration (NADC) in the groundwater sample from well MW-2.

Based on the soil and groundwater data obtained during the LSA, it appeared that a discharge of a citrus product had occurred. The source of the discharge was associated with the former UST located near tank no. 306. However, no information regarding the tank, its exact location, contents, etc. are known and the discharge likely occurred some time ago since the tank no longer exists. Concentrated citrus-based flavorings are used at the plant. Citrus-type odors were noted in many of the borings and p-isopropyltoluene, commonly associated with peel oil and flavoring products, was reported in the groundwater samples. Isopropylbenzene appears to be a breakdown product of p-isopropyltoluene.

FDEP reviewed the LSA and provided comments in a letter dated February 24, 2012. The letter indicated that a TPH isoconcentration map was not included in the report and additional monitoring wells may be needed to define the extent of groundwater contamination following the completion of an additional groundwater elevation contour map utilizing all piezometers and wells.

Ardaman prepared a response to comments letter dated March 6, 2012, which stated that a TPH isoconcentration map was not prepared since the subject discharge was not petroleum. Ardaman felt that the TPH results were misleading since the product discharged was citrus peel oil, citrus drink flavorings, and/or similar food grade products such as those stored in the tank farm, not petroleum. The FL-PRO Method measures the amount of hydrocarbons present having 8 to 40 carbon atoms with carbon to hydrogen bonds. The test results are presumed to be measuring petroleum as the test is most commonly performed on samples from petroleum sites, but molecules meeting these criteria can be non-petroleum.

To confirm that the products discharged are non-petroleum, Ardaman collected two smear zone soil samples and one groundwater sample from the locations previously containing the highest levels of TPH, for hydrocarbon “fingerprinting” by performing a C_8+ GC/MS full scan to allow for a detailed characterization of the hydrocarbons so that the type of product discharged could be determined. In addition, wells MW-13 and MW-14 were installed to further define the groundwater plume to the south.

According to Zymax’s interpretation of the chromatographs generated for soil samples TH-3 and TH-5, the only compounds present that can be associated with petroleum were trace amounts of terpanes. The major organic compound detected was valencane, which is probably derived from valencene, an aroma compound in citrus fruit and citrus-derived odorants. This soil analysis data confirms that the discharged product was a citrus product and not a petroleum product. Therefore, the TPH results previously reported for this site are not applicable, as previously stated.

According to Zymax’s chromatograph for the groundwater sample from MW-2, the major organic compounds are menthol, eucalyptol and other terpenoids used in fragrances and flavor additives in the food industry. A preservative used in the food and other industries, butylated hydroxytoluene, was also detected. No petroleum hydrocarbons were detected. The groundwater data further supports Ardaman’s contention that the hydrocarbons present at the site are not the result of a petroleum discharge and that the previously reported TPH results are not applicable.

Several analytes, including benzene, p-isopropyltoluene and/or isopropylbenzene, were detected

in the samples from wells MW-1, MW-2, MW-6, MW-13 and MW-14 at levels in excess of their established GCTLs.

A generally southeasterly and southerly groundwater flow direction was indicated on May 5, 2011 and November 21, 2011, respectively and a generally easterly groundwater flow direction was indicated on May 7, 2012 after resurveying the top of casings in the wells and piezometers. A generally easterly groundwater flow direction was also indicated on January 26, 2013.

Based on the lack of vadose zone soil contamination and the presence of the groundwater contamination plume, Ardaman recommended two quarterly sampling events at the site to evaluate contaminant concentration trends and determine whether the contaminant concentrations will attenuate to below NADCs. Ardaman recommended sampling monitoring wells MW-1 through MW-7, MW-10 and MW-12 through MW-14 for volatiles (VOAs and VOHs) by EPA Method 8260 for this purpose. If contaminants are detected above the GCTL in any of the perimeter monitoring wells during these two quarterly sampling events, additional monitoring wells may be required. Assuming levels decrease to below NADCs, a Natural Attenuation Monitoring program would be proposed.

FDEP responded to the report in a letter dated October 3, 2013 and agreed that TPH analysis was not relevant at this site and would no longer be required. FDEP did recommend the installation of two additional wells south of wells MW-13 and MW-14 to define the contamination plume. Prior to installing these additional wells, Coca Cola informed Ardaman and FDEP that the plant was being redeveloped in the vicinity of the Tank No. 306 assessment area. Therefore, Ardaman abandoned the existing monitoring wells and piezometers on February 2, 2014. GPS coordinates were obtained during the abandonment to accurately reinstall the wells after demolition and construction activities were completed.

Demolition and construction activities at the site facilities were completed in Fall, 2014. Following the completion of the construction activities, wells MW-1, 2, 3, 4, 5, 6, 7, 8D, 9, 20, 12, 13 and 14 were replaced and new wells MW-15 and MW-16 were installed. Sampling indicated the presence of benzene, 4-isopropyltoluene and isopropylbenzene above their respective GCTLs in samples from wells MW-1R, 2R, 5R, 12R and 13R and 4-isopropyltoluene and isopropylbenzene were also above their respective NADCs in the samples from wells MW-1R, MW-2R and MW-13R. The eastern edge of the groundwater plume was undefined. Since groundwater contaminants were present in excess of natural attenuation monitoring default source concentrations, Ardaman recommended preparation of a Remedial Action Plan to address the groundwater contamination.

FDEP's July 25, 2015 report review letter recommended the installation of four additional monitoring wells, east and northeast of MW-5R and east and southeast of MW-12R. The well installation and sampling was conducted in September, 2015. Four new wells MW-18 through MW-21 were sampled along with wells MW-1R, 2R, 5R, 6R, 7R, 9R, 10R, 12R, 13R, 14R, 15, 16 and 17 for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sampling indicated the presence of benzene and 4-isopropyltoluene above their respective GCTLs in samples from wells MW-1R, 5R and 13R and 4-isopropyltoluene and isopropylbenzene were also above their respective NADCs in the samples from wells MW-1R and MW-2R.

Ardaman concluded that since the plume is entirely within the Coca-Cola property, the plume is not approaching any property boundaries and there are no current plans to develop the study area, that the recent demolition may benefit natural attenuation and semi-annual sampling for one year should be conducted to determine if natural attenuation will increase significantly.

FDEP reviewed the report and concurred with Ardaman's recommendation to conduct semi-annual monitoring for one year.

The first semi-annual groundwater sampling event was conducted on May 9, 10 and 11, 2016. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 14R, 15, 16, 17, 18 and 20 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Benzene, 4-isopropyltoluene and/or isopropylbenzene were present above their respective GCTLs and/or NADCs in the samples from wells MW-1R, 2R and 13R; however, concentrations decreased significantly since the September 2015 sampling event. Ardaman recommended continuation of the semi-annual monitoring and FDEP concurred in a July 21, 2016 letter.

The second semi-annual groundwater sampling event was conducted on November 14, 15 and 16, 2016. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 14R, 15, 16, 17, 18 and 20 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Benzene, 4-isopropyltoluene and/or isopropylbenzene were present above their respective GCTLs and/or NADCs in the samples from wells MW-1R, 2R and 13R. Ardaman recommended continuation of the semi-annual monitoring although removing the sampling of wells MW-14R, 15 and 20, and FDEP concurred in a March 17, 2017 letter.

The third semi-annual groundwater sampling event was conducted on June 27 and 28, 2017. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Benzene, 4-isopropyltoluene and/or isopropylbenzene were present above their respective GCTLs and/or NADCs in the samples from wells MW-1R, 2R and 13R and potentially above their respective GCTLs in samples from well MW-5R. Ardaman recommended continuation of the semi-annual monitoring and FDEP concurred in a September 27, 2017 letter.

The fourth semi-annual groundwater sampling event was conducted on January 11 and 12, 2018. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of benzene, 4-isopropyltoluene and/or isopropylbenzene above their respective GCTLs and/or NADCs in samples from wells MW-1R, 2R and 13R and potentially above their respective GCTLs in samples from well MW-5R. Ardaman recommended continuation of the semi-annual monitoring and FDEP concurred in an April 19, 2018 letter.

The fifth semi-annual groundwater sampling event was conducted on July 23, 2018. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of benzene, 4-isopropyltoluene and/or isopropylbenzene above their respective GCTLs and/or NADCs in samples from wells MW-1R, 2R and 13R and potentially above their respective GCTLs in samples from well MW-5R. Ardaman recommended continuation of the semi-annual monitoring and FDEP concurred in an August 23, 2018 letter.

The sixth semi-annual groundwater sampling event was conducted on January 21 and 22, 2019. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of 4-isopropyltoluene and/or isopropylbenzene above their respective NADCs in samples from wells MW-1R and 2R and potentially above their respective GCTLs and/or NADCs in samples from wells MW-2R, 5R and 13R. Ardaman recommended continuation of the semi-annual monitoring and FDEP concurred in an April 3, 2019 letter.

The seventh semi-annual groundwater sampling event was conducted on July 22 and 23, 2019. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of isopropylbenzene above its respective NADC in samples from wells MW-2R and 13R, and benzene, 4-isopropyltoluene and isopropylbenzene are present above their respective GCTLs and benzene may potentially be present above its respective GCTL in the sample from well MW-2R.

Ardaman recommended continuation of the semi-annual monitoring as well as conducting a vacuum extraction event to address free product in well MW-2R. FDEP concurred and a vacuum extraction event was conducted using wells MW-2R and 13R on December 26, 2019. Approximately 400 gallons was removed from wells MW-2R and MW-13R. Subsequently, the eighth semi-annual groundwater sampling event was conducted on January 22, 23 and 24, 2020. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of isopropylbenzene above its NADC in samples from wells MW-1R and 13R, benzene above its GCTL in the sample from MW-13R, 4-isopropyltoluene above its NADC in the sample from MW-2R and benzene and isopropylbenzene may potentially be present above their respective GCTLs/NADCs in the sample from well MW-2R.

Contaminant concentrations after the vacuum extraction event were similar to prior sampling events. However, the vacuum extraction did remove the free product from well MW-2R from a thick film. Only a very light sheen was observed on the purged water in the bucket. Ardaman recommended conducting another vacuum extraction event at wells MW-2R and MW-13R as well as continuation of the semi-annual monitoring. FDEP reviewed the report and concurred with the recommendations.

FDEP had requested a laboratory that can calibrate for limonene be used for future analysis. The FDOH website indicates that no labs in Florida are certified for limonene and a local laboratory indicated that the standard can be purchased and instruments calibrated for it, but it's costly. FDEP agreed that we could continue to report limonene using the library scan unless limonene becomes a problem.

A second vacuum extraction event was conducted using wells MW-2R and 13R on June 29, 2020. Approximately 445 gallons was removed from wells MW-2R and MW-13R. Subsequently, the ninth semi-annual groundwater sampling event was conducted on August 3 and 4, 2020. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Sample results indicated the presence of isopropylbenzene above its NADC in samples from wells MW-1R and 13R and 4-isopropyltoluene above its GCTL in the samples from wells MW-2R and MW-9R. 4-isopropyltoluene concentrations in well MW-9R have been below detection limits in the past and the well generally serves as an upgradient well. Resampling of well MW-9R confirmed the presence of 4-isopropyltoluene, although the concentration was 85% lower, but still over GCTLs.

Contaminant concentrations after the vacuum extraction event were similar to prior sampling events. However, the vacuum extraction did remove the free product from well MW-2R from a thick film. Ardaman recommended continuation of the semi-annual monitoring. The next semi-annual groundwater sampling event was conducted on February 11 and 12, 2021. Wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17 and 18 were sampled for analysis of volatile organic compounds (VOAs and VOHs) by EPA Test Method 8260, including limonene. Analysis indicated the presence of isopropylbenzene above its NADC in samples from wells MW-1R, 2R and 13R and 4-isopropyltoluene above its NADC in the sample from well MW-9R. 4-isopropyltoluene

concentrations in well MW-9R had been below detection limits until the August 2020 sampling and the well generally serves as an upgradient well. The presence of 4-isopropyltoluene in well MW-9R leaves the western edge of the groundwater plume undefined. An additional monitoring well and sampling was recommended to explore the plume to the west of MW-9R. FDEP reviewed the report on January 19, 2022 and concurred with the recommendations.

Following the February 2021 sampling event, Coca-Cola indicated that a new building may be constructed over the impacted area in about 12 to 18 months. Since access to the impacted media would be blocked, the site would need to be substantially remediated prior to construction. Source removal was the prevailing remedial method given the time constraint; however, prior to developing a Remedial Action Plan, supplemental soil assessment from within the smear zone was conducted to confirm the extents of impacted soils capable of leaching contaminants with the intent that removal of the core of the smear zone contamination would significantly reduce the groundwater contaminant concentrations.

Fourteen direct push soil borings were conducted in April 2021 to depths of 16 to 20 feet bls and twelve smear zone soil samples were collected from varying depths for direct leaching analysis by SPLP (EPA Method 1312/8260). Several remedial options were considered using the smear zone data, including conventional soil removal, soil removal with large diameter auger and injection of chemicals to degrade the contaminants. Each option had constraints, including the location of structures, railroad tracks and utilities nearby, the option to utilize sheet piling due to the depth of removal and not having the clearance to dig a 1:1 slope for conventional soil removal. Coca-Cola ultimately decided that the anticipated cost of each option was prohibitive, that the intended structure would not be constructed in this area at this time and Coca-Cola would continue with semi-annual monitoring. Therefore, no Remedial Action Plan was prepared.

Well MW-22, located northwest of MW-9R, was installed on April 30, 2021. Well MW-9R was sampled on May 20, 2021 and no contaminants of concern were detected above MDLs. The groundwater plume remains defined with newly installed MW-22.

On November 8 and 9, 2021, wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17, 18 and 22 were sampled. Benzene and 4-isopropyltoluene were not detected in the samples from the wells. Benzene was detected at the GCTL in the sample from well MW-13R. Isopropylbenzene was detected above the NADC in the sample from wells MW-1R, 2R and 13R. The November 9, 2021 groundwater elevation survey data indicated the groundwater flow direction was generally towards the east.

Ardaman recommended continuation of semi-annual monitoring since the plume is entirely within the Coca-Cola property, it is not approaching any property boundaries and there are no current plans to develop the study area. FDEP reviewed the November 2021 sampling report and a teleconference call was conducted on February 14, 2022 to discuss a pathway to site closure.

FDEP requested several items in order to determine the best closure option including obtaining the top-of-casing elevation in MW-22 to determine if the well is upgradient of MW-9R, obtaining a groundwater sample from MW-9R for 4-isopropyltoluene and overlying the geoprobe soil sample locations with the well locations.

The top-of-casing elevation at MW-22 was determined and while the groundwater flow direction survey from March 17, 2022 using Surfer version 16 shows MW-22 in the upgradient direction of MW-9R, the actual water level elevation of MW-22 is downgradient of MW-9R. Since MW-22 appears to be downgradient from MW-9R, FDEP requested an additional well west of MW-9R to delineate the groundwater plume. FDEP also requested that well MW-6R, located south of MW-9R, be sampled. This will be discussed further below.

FDEP also requested obtaining a groundwater sample from MW-9R for 4-isopropyltoluene and that if 4-isopropyltoluene remained below its GCTL, an organoleptic closure may be possible. If 4-isopropyltoluene had not been detected above its GCTL in MW-9R, the only contaminant remaining in the wells would have been isopropylbenzene, an organoleptic compound, and an organoleptic closure may have been possible based on the February 2, 2017 revision of Chapter 62-780.680, FAC, No Further Action, Risk Management Option 1. Ardaman sampled well MW-9R on March 17, 2022 and 4-isopropyltoluene was detected above the GCTL; therefore, negating the option of an organoleptic closure.

FDEP also indicated that continuation of NAM is only acceptable through the approval of a NAM Plan. Ardaman proposed continued NAM on a semi-annual basis, which would include the sampling of wells MW-1R, 2R, 5R, 7R, 9R, 12R, 13R, 16, 17, 18 and 22 for analysis of volatile organic compounds (VOCs) by EPA Test Method 8260, including limonene as the most cost effective option. FDEP indicated that NAM was not an option until the groundwater plume was delineated and that FDEP anticipated a semi-annual groundwater sampling report, which should include groundwater samples to the west and south of well MW-9R.

Ardaman sampled wells MW-1R, 2R, 5R, 6R, 7R, 9R, 12R, 13R, 16, 17, 18 and 22 on February 28, 2023 and March 1 and 2, 2023. The samples were submitted for analysis of volatile organic compounds (VOCs) by EPA Test Method 8260, including limonene. Benzene and 4-isopropyltoluene (commonly associated with peel oil) were not detected in the samples from the wells. Isopropylbenzene was detected above the GCTL in the sample from well MW-2R and above the NADC in the sample from wells MW-1R and 13R.

FDEP had previously suggested an organoleptic closure for isopropylbenzene, and organoleptic, based on the February 2, 2017 revision of Chapter 62-780.680, FAC, No Further Action, Risk Management Option 1 if 4-isopropyltoluene remained below its GCTL for an additional sampling event following the November 2021 results; however, 4-isopropyltoluene was detected above its GCTL during the March 2022 sampling event. During the March 2023 sampling event, no 4-isopropyltoluene was detected in the samples from the wells and one additional semi-annual event was recommended to determine if an organoleptic closure is appropriate.

The March 2023 sampling report was submitted to FDEP in January 2024 and review comments have not yet been issued. We have conducted another sampling event as detailed below.

FIELD EXPLORATION AND TEST RESULTS

The groundwater sampling program consisted of: 1) sampling twelve shallow monitoring wells for laboratory analyses of selected contaminants of concern and 2) performing relative elevation surveys of water surfaces in the wells to estimate groundwater flow direction. The field exploration program was conducted on February 7, 8 and 9, 2024.

Groundwater Sampling

Ardaman sampled wells MW-1R, 2R, 5R, 6R, 7R, 9R, 12R, 13R, 16, 17, 18 and 22 on February 7, 8 and 9, 2024. The samples were submitted for analysis of volatile organic compounds (VOCs) by EPA Test Method 8260, including limonene. No free product or sheen was observed on the water surface in the wells during this sampling events.

Approximately 3 to 5 well volumes were purged from each well at an average rate of approximately 0.1 gallons per minute. Temperature, conductivity and pH were stable at the end of purging. Dissolved oxygen was less than 20% of saturation at the end of purging and turbidity

was less than 20 NTUs at the end of purging except at wells MW-1R, 5R, 7R, 12R, 13R, 17 and 18. Five well volumes were purged from these wells and turbidity was stable at sampling. Slight to moderate odors were noted in wells MW-1R, 2R, 9R and 13R during purging.

The groundwater samples were preserved with ice and submitted to Eurofins Orlando Laboratory for analysis. A copy of the sampling logs is included in **Appendix I**.

Groundwater Analytical Results

The analytical results from wells sampled are summarized in **Table 2**. Results from each well are also presented graphically on **Figure 3**. A copy of the laboratory analytical reports is included in **Appendix I**.

As shown in **Table 2** and on **Figures 3 through 6**, benzene and 4-isopropyltoluene (commonly associated with peel oil) were not detected above their GCTLs in the samples from the wells. Isopropylbenzene was detected above the NADC in the samples from wells MW-1R, 2R and 13R, but it is an organoleptic. Additionally, the detection limit at MW-9R exceeds the GCTL though reported as not detected (to 3.4 μg/L). In the 2023 sample, the concentration was below the detection limit of 0.67 μg/L.

FDEP requested that limonene be included in the analyses for the groundwater samples from the wells sampled. The laboratory, ENCO, does not calibrate their GC/MS for limonene or run routine standards for it. ENCO therefore performed a “library scan” for volatiles, including limonene, which compares typical GC/MS responses to various volatiles. The library scan did not detect limonene in any of the samples. Other TICs were detected in the samples from the wells. TICs detected in this and previous groundwater samples are summarized in **Table 3**. No laboratories in Florida currently calibrate for limonene and Ardaman will continue to analyze limonene though the library scan.

Isoconcentration maps for the groundwater contaminants detected (or previously detected) above GCTLs, benzene, 4-isopropyltoluene and isopropylbenzene, are included as **Figures 4, 5 and 6**, respectively. The combined plume area is shown on **Figure 3**.

Discussion of Groundwater Analytical Results

Based on the analytical results, isopropylbenzene (organoleptic) is present above its NADC in the samples from wells MW-1R, 2R and MW-13R and 4-isopropyltoluene and benzene are below their respective GCTLs in the samples from all of the wells.

We note that matrix interference in the sample from MW-9R did not allow reporting of some contaminants below the cleanup target levels. The chromatograph peaks were covered by non-target compound peaks. Dilution required increasing the test detection levels and benzene and isopropylbenzene in the sample from MW-9R had a detection level higher than the GCTLs. However, isopropylbenzene is an organoleptic compound and not an issue for the organoleptic closure and benzene has never been detected in the samples from MW-9R since sampling began in 2011.

Since 4-ispropyltoluene and benzene have not been detected above their GCTLs during the last two sampling events, the site appears eligible for an organoleptic closure as the organoleptic isopropylbenzene is the only remaining contaminant.

Groundwater Table Elevation Survey

The depth-to-water was measured from the top of casings in the wells on February 7, 2024 and was converted to groundwater elevations. The February 7, 2024 groundwater elevation survey data indicated the groundwater flow direction was generally towards the east (**Figure 7**) which is most common for this site though flow direction has varied. Previous groundwater flow direction surveys have indicated a generally southeasterly and southerly direction in 2011 and January 2019, a generally east-southeasterly direction in August 2020, a generally easterly direction in May 2012, January 2013, May 2016, January 2018, July 2018, January 2020, February 2021, November 2021 and March 2023, a generally northerly to northeasterly groundwater flow direction in November 2014, April 2015 and July 2019, a generally south-southwesterly groundwater flow direction in September 2015, a generally northwesterly groundwater flow direction in November 2016 and a radial flow from MW-1R in June 2017.

CONCLUSIONS AND RECOMMENDATIONS

Twelve monitoring wells were sampled on February 7, 8 and 9, 2024. Analysis indicated the presence of isopropylbenzene above its NADC in samples from wells MW-1R, 2R and 13R. Additionally, the detection limit was higher than the GCTL for the sample from MW-9R, although the contaminant was reported as undetected. 4-isopropyltoluene and benzene concentrations in all wells sampled were below their GCTLs. Due to the matrix interference in the sample from well MW-9R, although undetected, the benzene detection limit was higher than the GCTL; however, no benzene has been detected in well MW-9R since sampling began in 2011. The plume is currently adequately defined by the existing wells.

FDEP had previously suggested an organoleptic closure based on the February 2, 2017 revision of Chapter 62-780.680, FAC, No Further Action, Risk Management Option 1 if 4-isopropyltoluene remained below its GCTL for an additional sampling event following the November 2021 results; however, 4-isopropyltoluene was detected above its GCTL during the March 2022 sampling event.

During the March 2023 and February 2024 sampling events, no 4-isopropyltoluene was detected in the samples from the wells. Since isopropylbenzene is the only remaining contaminant, an organoleptic closure is appropriate.

REQUEST FOR NO FURTHER ACTION WITHOUT CONDITIONS

Based on assessment and monitoring data previously obtained at this site and discussed above, the site qualifies for a No Further Action without Conditions in accordance with Chapter 62-780.680, FAC, (1) RMO Level I considering the organoleptic exception. Specifically, the required conditions are met as follows:

1. No free product is present at this site, as shown in **Table 4**.

2. Vadose zone soil contamination does not exist at the site. Moderate to very strong citrus-type odors and elevated net OVA readings were noted in vadose zone soil samples (to a depth of 12 feet bls) from borings TH-1 through TH-5 and from borings HAB-3 and HAB-4 during 2011 soil assessment. Eight soil samples were collected for laboratory analysis. TPH was detected in soil sample TH-3-12 at a concentration of 370 mg/Kg, which exceeded the leachability-based soil cleanup target level (LSCTL); however, since the soil sample was obtained at a depth of 12 feet bls, it is not considered vadose zone soil contamination (the top of the smear zone was estimated to be at a

depth of 12 feet). No COCs were detected above soil cleanup target levels (SCTLs) in samples HAB-3-4, HAB-4-4, TH-4-, TH-5-10 and TH-7-6 and no vadose zone soil contamination appeared to exist in the area of investigation.

3. Groundwater contamination is present but meets requirements for RMO I under organoleptic exception. The isopropylbenzene-groundwater plume is shown on **Figure 6. Table 4** summarizes contaminant concentrations from 2014 through February 2024. The isopropylbenzene plume is isolated to the property, present only at monitoring wells MW-1R, 2R and 13R and concentrations have been stable over the last few years.

   The February 2, 2017 revision of Chapter 62-780.680, FAC, No Further Action, Risk Management Option 1, states that groundwater can exceed the GCTLs derived from organoleptic considerations if the following additional criteria are met. The additional criteria states that 1) concentrations of all other contaminants have to meet all applicable health-based GCTLs provided in Chapter 62-777, FAC, Table 1, and Chapter 62-780, FAC, Table F, 2) a minimum of one year of groundwater monitoring data indicates that groundwater concentrations at the property boundary do not and will not exceed GCTLs, 3) the property has access to and is connected to an off-site water supply for domestic purposes and private wells are not used for domestic purposes and 4) the real property owner does not object to the No Further Action Proposal to the Department.

   Relative to additional criteria 1, all other contaminants are below detection levels and GCTLs. In addition, the health-based GCTL for isopropylbenzene is 700 µg/L. The highest groundwater concentration of isopropylbenzene at well MW-2R was 48 µg/L in February 2024, which is far below the health-based standard. Relative to additional criteria 2, groundwater monitoring has been conducted on a semi-annual or annual basis since 2014. Sufficient data is available to show that contaminant concentrations will not exceed GCTLs at the property boundary. Relative to additional criteria 3, the property utilizes City water and no potable wells are located on the property. Relative to additional criteria 4, the real property owner, Coca-Cola Co., does not object to the No Further Action Proposal.

4. Contaminated surface water is not present. No surface water is present on the property.

5. Contaminated sediment is not present. No contaminated sediment is present as no surface water features are present on the property.

Since all criteria have been met for RMO I, Ardaman recommends that a No Further Action without Conditions be approved for this site. Once approved, existing monitoring wells will be properly abandoned.

CLOSURE

This report has been prepared for the exclusive use of The Coca-Cola Company for specific application to this project in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made.

The analyses and conclusions submitted in this report are based upon the data obtained during our exploration. This study is a focus study limited to the specific methods of investigation. The results of the groundwater testing would only be applicable to the sample locations.

Our findings do not warrant the study area against any conditions unrelated to the analytes tested for. Ardaman appreciates the opportunity to assist The Coca-Cola Company, with this project. Should you have any questions, or if you would like to discuss this report, please contact us.

Very truly yours,
ARDAMAN & ASSOCIATES, INC.
Florida Registry 5950

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Geologist

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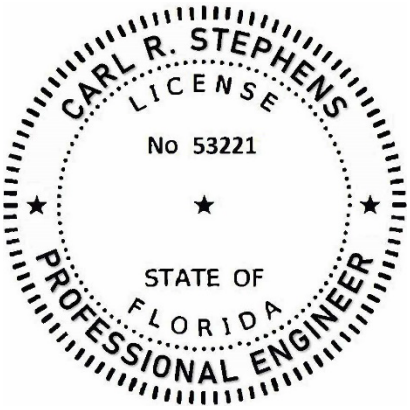

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THIS SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THIS SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ARDAMAN & ASSOCIATES, INC.
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CARL R. STEPHENS, P.E. NO 53221

KBM/CRS/kbm
10-6687A Well Samp Mar 2023.docx (Env 2010)

cc: Tracey Brown – Coca-Cola
Mauricio Avalos – Coca-Cola

TABLE 1: MONITORING WELL CONSTRUCTION SUMMARY

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758
Facility Address: 2501 West Orange Avenue, Apopka, Florida

Well No.	Date Installed	Installation Method	Top of Casing Elev. (Approx NGVD ft.)	New Top of Casing Elev. (Approx NGVD ft.)*	New Top of Casing Elev. (Approx NGVD ft.)***	A/G Riser Length (ft.), If Applicable	Well Diameter (inches)	Silica Sand Filter Pack Size	Total Well Depth (ft.)	Screened Interval (ft.)	Lithology of Screened Interval
PZ-1**	1/28/2011	hand auger	98.34	-	-	0.1	2	20-30	15.3	5-15	
PZ-2**	1/28/2011	hand auger	101.51	-	-	3.4	2	20-30	20.3	10-20	
PZ-3**	1/28/2011	hand auger	100.91	102.68	-	3.1	2	20-30	20.3	10-20	
TMW-1	11/6/2010	hand auger	not surveyed	not surveyed	-	0.3	2	N/A	15.6	5-15	
MW-1**	4/29/2011	hollow stem auger	97.94	99.69	-	---	2	30-65	20.3	10-20	
MW-1R	11/7/2014	hollow stem auger	-	-	96.45	---	2	30-45	20.4	10.1-20.1	
MW-2 **	4/29/2011	hollow stem auger	97.54	99.29	-	---	2	30-65	20.3	10-20	
MW-2R	11/7/2014	hollow stem auger	-	-	96.81	---	2	30-45	20.4	10.1-20.1	
MW-3**	4/29/2011	hollow stem auger	97.07	98.82	-	---	2	30-65	21.3	11-21	
MW-4**	8/29/2011	hollow stem auger	98.92	98.67	-	---	2	30-45	20.0	9.7-19.7	
MW-17	11/7/2014	hollow stem auger	-	-	96.79	---	2	30-45	20.0	9.7-19.7	
MW-5**	8/29/2011	hollow stem auger	99.66	99.38	-	---	2	30-45	19.7	9.4-19.4	
MW-5R	11/7/2014	hollow stem auger	-	-	96.49	---	2	30-45	20.0	9.7-19.7	
MW-6**	8/29/2011	hollow stem auger	99.45	99.50	-	---	2	30-45	20.4	10.1-20.1	
MW-6R	11/7/2014	hollow stem auger	-	-	97.38	---	2	30-45	20.0	9.7-19.7	
MW-7**	8/28/2011	hollow stem auger	98.06	99.80	-	---	2	30-45	19.9	9.6-19.6	
MW-7R	11/7/2014	hollow stem auger	-	-	96.76	---	2	30-45	20.0	9.7-19.7	
MW-8D**	8/29/2011	mud rotary	99.47	99.47	-	---	2	30-45	35.0	29.7-34.7	
MW-8D-R	11/7/2014	mud rotary	-	-	96.54	---	2	30-45	35.4	30.1-35.1	
MW-9**	11/15/2011	hollow stem auger	99.25	99.25	-	---	2	30-45	20.4	10.1-20.1	
MW-9R	11/7/2014	hollow stem auger	-	-	97.00	---	2	30-45	20.0	9.7-19.7	
MW-10**	11/15/2011	hollow stem auger	99.49	99.48	-	---	2	30-45	19.7	9.4-19.4	
MW-10R	11/7/2014	hollow stem auger	-	-	97.76	---	2	30-45	20.0	9.7-19.7	
MW-11**	11/14/2011	hollow stem auger	99.26	98.99	-	---	2	30-45	19.9	9.6-19.6	
MW-12**	10/20/2011	hollow stem auger	98.09	99.81	-	---	2	30-45	20.4	10.1-20.1	
MW-12R	11/7/2014	hollow stem auger	-	-	96.39	---	2	30-45	20.0	9.7-19.7	
MW-13**	12/2/2012	hollow stem auger	-	99.85	-	---	2	30-45	22.0	11.5-21.5	
MW-13R	11/7/2014	hollow stem auger	-	-	96.31	---	2	30-45	20.0	9.7-19.7	
MW-14**	12/2/2012	hollow stem auger	-	99.21	-	---	2	30-45	22.0	11.5-21.5	
MW-14R	11/7/2014	hollow stem auger	-	-	97.72	---	2	30-45	20.0	9.7-19.7	
MW-15	11/7/2014	hollow stem auger	-	-	97.75	---	2	30-45	20.0	9.7-19.7	
MW-16	11/7/2014	hollow stem auger	-	-	96.57	---	2	30-45	20.0	9.7-19.7	
MW-18	9/1/2015	hollow stem auger	-	-	96.34	---	2	30-45	20.0	9.7-19.7	
MW-19	9/1/2015	hollow stem auger	-	-	96.16	---	2	30-45	20.0	9.7-19.7	
MW-20	9/1/2015	hollow stem auger	-	-	95.98	---	2	30-45	20.0	9.7-19.7	
MW-21	9/1/2015	hollow stem auger	-	-	96.16	---	2	30-45	20.0	9.7-19.7	
MW-22	4/30/2021	hollow stem auger	-	-	-	---	2	30-45	20.0	9.7-19.7	

* - All TOC elevations in piezometer PZ-3 and wells MW-1 through 7, 8D and 9 through 12 were resurveyed on May 7, 2012.

** - All piezometer and wells were abandoned on February 2, 2014, prior to site demolition.

*** - Former wells MW-1 through 7, 8D, 9, 10 and 12 though 14 were reinstalled after construction activities were completed as MW-1R through 7R, 8D-R, 9R, 10R and 12R through 14R. The TOC elevations of these wells and newly installed wells MW-15 and MW-16 were surveyed on April 9, 2015.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	TMW-1	MW-1[2]										62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	5-15	10-20											
	Date Sampled	11/06/10	05/05/11	06/01/11										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	2 U	**2.7**	**11**									1	100
	Toluene	**9.2**	0.56 U	**1.3**									40	400
	Ethylbenzene	**11**	0.42 U	0.69 U									30	300
	Xylenes, total	**4**	1.30 U	1.80 U									20	200
	Methyl tert-butyl ether (MTBE)	1.3 U	0.46 U	0.60 U									20	200
	Acenaphthene	13 U	0.092 U	NS									20	200
	Acenaphthylene	15 U	0.065 U	NS									210	2,100
	Anthracene	7.0 U	0.056 U	NS									2,100	21,000
	Benzo(a)anthracene	5.5 U	0.033 U	NS									0.05	5
	Benzo(a)pyrene	5.0 U	0.065 U	NS									0.2	20
	Benzo(b)fluoranthene	7.0 U	0.046 U	NS									0.05	5
	Benzo(ghi)perylene	8.5 U	0.062 U	NS									210	2,100
	Benzo(k)fluoranthene	6.5 U	0.050 U	NS									0.5	50
	Chrysene	6.5 U	0.035 U	NS									4.8	480
	Dibenz(ah)anthracene	8.0 U	0.054 U	NS									0.005	0.5
	Fluoranthene	6.5 U	0.032 U	NS									280	2,800
	Fluorene	13 U	0.071 U	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	7.5 U	0.10 U	NS									0.05	5
	Naphthalene	17 U	0.076 U	NS									14	140
	1-Methyl Naphthalene	14 U	0.17 U	NS									28	280
	2-Methyl Naphthalene	*13* U	0.17 U	NS									28	280
	Phenanthrene	7.5 U	0.13 U	NS									210	2,100
	Pyrene	7.0 U	0.032 U	NS									210	2,100
	TRPH[1]	**27,000**	**5,700**	**11,000**									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS									3	300
OTHER	Acetone	**82**	**47**	**65**									6,300	63,000
	Chloroethane	3.3 U	1.2 U	0.98 U									12	1,200
	1,1-Dichloroethane	2.2 U	0.42 U	0.57 U									70	700
	1,1-Dichloroethene	2.5 U	0.60 U	0.94 U									7	700
	4-methyl-2-pentanone	**26 U**	1.0 U	**9.8**									560	5,600
	Tetrachloroethene	2.2 U	1.6 U	0.76 U									3	300
	Trichloroethene	2.0 U	0.72 U	0.55 U									3	300
	1,1,1-Trichloroethane	2.0 U	0.78 U	0.59 U									200	2,000
	Vinyl Chloride	2.4 U	0.80 U	0.71 U									1	100
	cis-1,2-Dichloroethene	2.0 U	0.56 U	0.49 U									70	700
	trans-1,2-Dichloroethene	2.4 U	0.80 U	0.72 U									100	1,000
	4-Isopropyltoluene (Cymene)	**5,200**	**310**	**600**									660	6,600
	Isopropylbenzene (Cumene)	**250**	**1.3** I	**2.3**									0.8	8
	Chloroform	NA	NA	0.54 U									70	700
	2-Butanone (MEK)	NA	NA	4.5 U									*	*
	Bromodichloromethane	NA	NA	0.49 U									0.6	60
	Dibromochloromethane	NA	NA	0.44 U									0.4	40
	1,2,4-Trimethylbenzene	1.9 U	0.52 U	**2.8**									10	100
	1,3,5-Trimethylbenzene	2.2 U	0.42 U	0.49 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	11/13/14	03/03/15	09/01/15	05/10/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19	01/24/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	3.6 U	3.6 U	**1.8**	**2.1**	3.6 U	**1.4**	0.71 U	0.71 U	**0.85 I**	0.71 U	**1.0**	0.71 U	1	100
	Toluene	3.6 U	3.6 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**5.1**	3.4 U	**4.3**	**9.9**	**6.4**	**9.4**	**5.0**	**3.2**	**4.4**	**1.8**	**1.7**	**0.78 I**	30	300
	Xylenes, total	6.5 U	6.5 U	1.3 U	1.30 U	6.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	3.0 U	3.0 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Acetone	25 U	25.0 U	**24**	**48**	50 U	**28**	**120**	**100**	**19 I**	10 U	10 U	10 U	6,300	63,000
	Chloroethane	4.9 U	4.9 U	0.98 U	2.0 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	3.1 U	3.1 U	0.57 U	1.2 U	3.1 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	4.7 U	4.7 U	0.94 U	1.9 U	4.7 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	4-methyl-2-pentanone	4.0 U	**8.0** I	0.79 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	560	5,600
	Tetrachloroethene	3.8 U	3.8 U	0.76 U	1.5 U	3.8 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	4.4 U	4.4 U	0.55 U	1.8 U	4.4 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	4.0 U	4.0 U	0.59 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	3.6 U	3.6 U	0.71 U	1.4 U	3.6 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	2.6 U	2.6 U	0.49 U	1.1 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	3.6 U	3.6 U	0.72 U	1.5 U	3.6 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	4-Isopropyltoluene (Cymene)	**560**	**270**	**2.7**	**23**	**8.0**	**12**	**7.9**	**1.1**	**2.2**	0.80 U	**1.3**	**1.4**	660	6,600
	Isopropylbenzene (Cumene)	**7.0**	**10**	**9.0**	**11**	**10**	**16**	**11**	**6.2**	**9.3**	**5.0**	**12**	**8.8**	0.8	8
	Chloroform	4.0 U	4.0 U	0.54 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	22 U	3.8 U	4.5 U	9.0 U	22 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	Bromodichloromethane	2.6 U	2.6 U	0.49 U	1.0 U	2.6 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	2.2 U	2.2 U	0.44 U	0.88 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	3.4 U	3.4 U	**2.8**	1.4 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	2.9 U	2.9 U	0.49 U	1.2 U	2.9 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	02/12/21	11/09/21	03/01/23	02/08/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.82 I**	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Acetone	10 U	10 U	25 U	25 U									6,300	63,000
	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	4-methyl-2-pentanone	2.5 U	2.5 U	2.5 U	2.5 U									560	5,600
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	4-Isopropyltoluene (Cymene)	**2.5**	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	**15**	**9.5**	**14**	**15**									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2[2]		MW-2R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10-20		10.1-20.1											
	Date Sampled	05/05/11	06/01/11	11/13/14	03/03/15	09/03/15	05/11/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.48 U	**0.6**	14 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	Toluene	**2.1**	**3.0**	14 U	36 U	72 U	36 U	72 U	72 U	72 U	72 U	360 U	18 U	40	400
	Ethylbenzene	**2.6**	**3.8**	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	30	300
	Xylenes, total	1.3 U	1.8 U	26 U	65 U	130 U	65 U	130 U	130 U	130 U	130 U	650 U	32 U	20	200
	Methyl tert-butyl ether (MTBE)	0.65 U	0.60 U	12 U	30 U	60 U	30 U	60 U	60 U	60 U	60 U	300 U	15 U	20	200
	Acenaphthene	0.092 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	**0.12** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	0.033 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	0.046 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	0.062 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	0.050 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	0.035 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	0.054 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	**0.078** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	0.10 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.076 U	NS	NS	41 U	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	**0.19** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	**0.18** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	**0.66**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**6,500**	**18,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	39 U	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	32 U	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	**84**	**88**	100 U	49 U	98 U	49 U	98 U	98 U	98 U	98 U	490 U	24 U	12	1,200
	1,1-Dichloroethane	1.2 U	0.98 U	20 U	31 U	62 U	31 U	62 U	62 U	62 U	62 U	310 U	16 U	70	700
	1,1-Dichloroethene	0.42 U	0.57 U	12 U	47 U	94 U	47 U	94 U	94 U	94 U	94 U	470 U	24 U	7	700
	Tetrachloroethene	0.60 U	0.94 U	19 U	38 U	76 U	38 U	76 U	76 U	76 U	76 U	380 U	19 U	3	300
	Trichloroethene	1.0 U	**14.0**	16 U	44 U	89 U	44 U	89 U	89 U	89 U	89 U	440 U	22 U	3	300
	1,1,1-Trichloroethane	1.6 U	0.76 U	15 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	200	2,000
	Vinyl Chloride	0.72 U	0.55 U	18 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	cis-1,2-Dichloroethene	0.78 U	0.59 U	16 U	26 U	53 U	26 U	53 U	53 U	53 U	53 U	260 U	13 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.71 U	14 U	36 U	73 U	36 U	73 U	73 U	73 U	73 U	360 U	18 U	100	1,000
	Acetone	0.56 U	0.49 U	11 U	250 U	500 U	250 U	1000 U	1000 U	1000 U	1000 U	5000 U	250 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,300**	**2,200**	**5,700**	**7600**	**7300**	**7500**	**13000**	**11000**	**34000**	**8900**	**86000**	**3300**	660	6,600
	Isopropylbenzene (Cumene)	**26**	**30**	**34**	**34 U**	**67 U**	**45** I	**78** I	**67 U**	**67 U**	**67 U**	**340 U**	**45**	0.8	8
	Chloroform	NA	0.54 U	16 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	70	700
	2-Butanone (MEK)	NA	0.54 U	16 U	220 U	450 U	220 U	450 U	450 U	450 U	450 U	2200 U	110 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA	**7.4**	90 U	40 U	79 U	40 U	79 U	79 U	79 U	79 U	400 U	20 U	*	*
	Bromodichloromethane	NA	0.49 U	10 U	26 U	52 U	26 U	52 U	52 U	52 U	52 U	260 U	13 U	0.6	60
	Dibromochloromethane	NA	0.44 U	8.8 U	22 U	44 U	22 U	44 U	44 U	44 U	44 U	220 U	11 U	0.4	40
	1,2,4-Trimethylbenzene	0.52 U	0.56 U	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.49 U	12 U	29 U	58 U	29 U	58 U	58 U	58 U	58 U	290 U	14 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2R										MW-3[2]	MW-4[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1										10-20	9.7-19.7		
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24					05/05/11	09/19/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					**1**	**1**	1	100
	Toluene	72 U	72 U	1.8 U	1.2	0.72 U	**1.3**					0.28 U	0.26 U	40	400
	Ethylbenzene	69 U	69 U	1.7 U	1.2	0.69 U	**2.9**					0.21 U	0.33 U	30	300
	Xylenes, total	130 U	130 U	3.2 U	1.3 U	1.3 U	1.3 U					0.64 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	60 U	60 U	1.5 U	0.60 U	0.60 U	0.60 U					0.23 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS					**0.19** I	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS					0.065 U	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS					0.056 U	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS					0.033 U	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS					0.065 U	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS					0.046 U	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS					0.062 U	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS					0.050 U	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS					0.035 U	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS					0.054 U	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS					0.032 U	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS					0.094 U	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS					0.10 U	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS					**0.13** I	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.047 U	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.052 U	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS					0.068 U	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS					0.032 U	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS					**180**	**190** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS					NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS					NS	NS	3	300
OTHER	Chloroethane	98 U	98 U	2.4 U	0.98 U	0.98 U	0.98 U					**5.7**	2.4 U	12	1,200
	1,1-Dichloroethane	62 U	62 U	1.6 U	0.62 U	0.62 U	0.62 U					0.58 U	0.25 U	70	700
	1,1-Dichloroethene	94 U	94 U	2.4 U	0.94 U	0.94 U	0.94 U					0.21 U	0.46 U	7	700
	Tetrachloroethene	76 U	76 U	1.9 U	0.76 U	0.76 U	0.76 U					0.30 U	0.35 U	3	300
	Trichloroethene	89 U	89 U	2.2 U	0.89 U	0.89 U	0.89 U					0.51 U	0.81 U	3	300
	1,1,1-Trichloroethane	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.82 U	1.0 U	200	2,000
	Vinyl Chloride	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					0.36 U	0.87 U	1	100
	cis-1,2-Dichloroethene	53 U	53 U	1.3 U	0.53 U	0.53 U	0.53 U					0.39 U	0.30 U	70	700
	trans-1,2-Dichloroethene	73 U	73 U	1.8 U	0.73 U	0.73 U	0.73 U					0.40 U	0.37 U	100	1,000
	Acetone	1000 U	1000 U	25 U	86	25 U	**30 I**					0.28 U	0.61 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**7100**	**6100**	**240**	**12**	**1.5 I**	**32**					0.40 U	2.4 U	660	6,600
	Isopropylbenzene (Cumene)	**67 U**	**67 U**	**14**	**22**	**7.7**	**48**					**26**	8.60 U	0.8	8
	Chloroform	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.25 U	0.38 U	70	700
	2-Butanone (MEK)	450 U	450 U	11 U	4.5 U	4.5 U	4.5 U					NA	0.47 U	*	*
	4-Methyl-2-pentanone (MIBK)	79 U	79 U	6.2 U	8.9	5.0 U	NA					NA	0.89 U	*	*
	Bromodichloromethane	52 U	52 U	1.3 U	0.52 U	0.52 U	0.52 U					NA	0.78 U	0.6	60
	Dibromochloromethane	44 U	44 U	1.2 U	0.50 U	0.50 U	0.50 U					NA	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	69 U	69 U	1.7 U	0.69 U	0.69 U	0.69 U					0.26 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	58 U	58 U	1.4 U	0.58 U	0.58 U	0.58 U					0.21 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result
* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.7** I	10 U	**14** I	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**1.4**	**1.1**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	**5.5**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/11/21	11/08/21	03/01/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5[2]	MW-5R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.4-19.4	9.7-19.7											
	Date Sampled	09/19/11	11/10/14	03/03/15	09/03/15	05/09/16	11/16/16	06/27/17	01/12/18	07/23/18	01/21/19	07/23/19	01/23/20	
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.84 I**	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	Toluene	**0.43 I**	3.6 U	14 U	3.4 U	3.4 U	3.6 U	1.4 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.33 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	6.5 U	26 U	6.5 U	6.5 U	6.5 U	2.6 U	1.3 U	1.3 U	6.5 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	1.1 U	3.0 U	12 U	3.0 U	3.0 U	3.0 U	1.2 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**16,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.25 U	4.9 U	20 U	4.9 U	4.9 U	4.9 U	2.0 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.46 U	3.1 U	12 U	3.1 U	3.1 U	3.1 U	1.2 U	0.62 U	0.62 U	3.1 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.35 U	4.7 U	19 U	4.7 U	4.7 U	4.7 U	1.9 U	0.94 U	0.94 U	4.7 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.81 U	3.8 U	15 U	3.8 U	3.8 U	3.8 U	1.5 U	0.76 U	0.76 U	3.8 U	0.76 U	0.76 U	3	300
	Trichloroethene	1.0 U	4.4 U	18 U	4.4 U	4.4 U	4.4 U	1.8 U	0.89 U	0.89 U	4.4 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.87 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.30 U	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.37 U	2.6 U	11 U	2.6 U	2.6 U	2.6 U	1.1 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.61 U	3.6 U	15 U	3.6 U	3.6 U	3.6 U	1.5 U	0.73 U	0.73 U	3.6 U	0.73 U	0.73 U	100	1,000
	Acetone	**140**	25.0 U	100 U	25 U	**64**	50 U	56	**34**	10 U	50 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	550 U	**2,100**	**1,800**	**770**	**25**	**170**	**23**	**13**	**2.9**	**34**	**3.4**	**6.4**	660	6,600
	Isopropylbenzene (Cumene)	0.38 U	3.4 U	13 U	3.4 U	3.4 U	3.4 U	1.3 U	0.67 U	0.67 U	3.4 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.47 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	**21**	22 U	90 U	22 U	22 U	22 U	9.0 U	4.5 U	4.5 U	22 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.67 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.78 U	2.6 U	10 U	2.6 U	2.6 U	2.6 U	1.0 U	0.52 U	0.52 U	2.6 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.84 U	2.2 U	8.8 U	2.2 U	2.2 U	2.2 U	0.88 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	8.0 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.54 U	2.9 U	12 U	2.9 U	2.9 U	2.9 U	1.2 U	0.58 U	0.58 U	2.9 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5R							MW-6[2]	MW-6R				62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							10.1-20.1	9.7-19.7					
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24			09/19/11	11/13/14	03/02/15	09/02/15	02/28/23		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.22 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U			**0.86** I	3.6 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			**1.0**	3.4 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U			**2.6**	6.5 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U			1.1 U	3.0 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS			**2,000**	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U			0.25 U	4.9 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U			0.46 U	3.1 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U			0.35 U	4.7 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U			0.81 U	3.8 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U			1.0 U	4.4 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.87 U	4.0 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.30 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U			0.37 U	2.6 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U			0.61 U	3.6 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U			**10**	25 U	**32**	**36**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.4**	**1.5**	0.80 U	0.80 U	0.80 U			**1,700**	**250**	**35**	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U			0.38 U	3.4 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.47 U	4.0 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U			0.89 U	22 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA			0.67 U	4.0 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U			0.78 U	2.6 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U			0.84 U	2.2 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			0.74 U	3.4 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U			**1.5**	2.9 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-6R		MW-7[2]	MW-7R									62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7		9.6-19.6	9.7-19.7										
	Date Sampled	02/07/24		09/19/11	11/13/14	03/03/15	09/01/15	05/09/16	11/15/16	06/28/17	01/12/18	07/23/18	01/22/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U		**0.51** I	**1.2**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U		0.26 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U		0.33 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U		1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U		1.1 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS		**390**	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U		0.25 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U		0.46 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U		0.35 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U		0.81 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U		1.0 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U		0.87 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U		0.30 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U		0.37 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U		0.61 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	25 U		2.4 U	5.0 U	5.0 U	**7.6** I	**15**	10 U	**31**	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U		**16**	**2.1**	**1.3**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U		0.38 U	**0.94** I	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U		0.47 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U		0.89 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U		0.78 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U		0.84 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U		0.74 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U		0.54 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-7R								MW-8D[2]	MW-8D-R		MW-9[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7								29.7-34.7	30.1-35.1		10.1-20.1		
	Date Sampled	07/22/19	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		09/19/11	11/13/14	03/03/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.22 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U		0.26 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.33 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U		1.2 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U		1.1 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS		**250** I	NS	NS	97 U	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U		0.25 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U		0.46 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U		0.35 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U		0.81 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U		1.0 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.87 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.30 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U		0.37 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U		0.61 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	10 U	10 U	10 U	10 U	10 U	25 U	25 U		2.4 U	5.0 U	5.0 U	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		**330** J4	11	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U		0.38 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.72 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U		0.89 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U		0.78 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U		0.84 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.74 U	0.69 U	0.70 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U		0.54 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result
* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7												
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20	
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	**33**	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	**6500**	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R							MW-10[2]	MW-10R			MW-11[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							9.4-19.4	9.7-19.7			9.6-19.6		
	Date Sampled	09/04/20	02/11/21	11/08/21	03/17/22	02/28/23	02/07/24		11/21/11	11/13/14	03/02/15	09/02/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.22 U	0.71 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	7.2 U	14 U	3.6 U	NA	0.72 U	3.6 U		0.26 U	0.72 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.5 U		0.33 U	0.69 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	13 U	26 U	6.5 U	NA	1.3 U	6.5 U		1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	6.0 U	12 U	3.0 U	NA	0.60 U	3.0 U		1.1 U	0.60 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS		97 U	NS	NS	NS	**130** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	9.8 U	20 U	4.9 U	NA	0.98 U	4.9 U		0.25 U	0.98 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	6.2 U	12 U	3.1 U	NA	0.62 U	3.1 U		0.46 U	0.62 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	9.4 U	19 U	4.7 U	NA	0.94 U	4.7 U		0.35 U	0.94 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	7.6 U	15 U	3.8 U	NA	0.76 U	3.8 U		0.81 U	0.76 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	8.9 U	18 U	4.4 U	NA	0.89 U	4.5 U		1.0 U	0.89 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	8.0 U	16 U	4.0 U	NA	0.80 U	4.0 U		0.87 U	0.80 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.30 U	0.71 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	5.3 U	**18 I**	2.6 U	NA	0.53 U	2.7 U		0.37 U	0.53 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	7.3 U	15 U	3.6 U	NA	0.73 U	3.7 U		0.61 U	0.73 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	100 U	200 U	50 U	NA	25 U	130 U		2.4 U	5.0 U	5.0 U	10	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**990**	**7700**	**450**	**3900**	**15**	**460**		0.63 U	0.88 I	0.80 U	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	6.7 U	13 U	3.4 U	NA	0.67 U	3.4 U		0.38 U	0.67 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	8.0 U	16 U	4.0 U	NA	**0.89 I**	4.0 U		0.47 U	0.80 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	45 U	90 U	22 U	NA	4.5 U	23 U		0.89 U	4.5 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	25 U	50 U	12 U	NA	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	5.2 U	10 U	2.6 U	NA	0.52 U	2.6 U		0.78 U	0.52 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	5.0 U	10 U	2.5 U	NA	0.44 U	2.5 U		0.84 U	0.44 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.4 U		0.74 U	0.69 U	0.69 U	0.69 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	5.8 U	12 U	2.9 U	NA	0.58 U	2.9 U		0.54 U	0.58 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12[2]	MW-12R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1	9.7-19.7											
	Date Sampled	10/21/11	11/10/14	03/03/15	09/01/15	05/09/16	11/15/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1** I	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.56 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**1.1** I	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.64 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**2,200**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	1.2 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.42 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.58 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	1.2 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.72 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.58 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.74 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.56 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	6.6 U	**13**	**18**	**10**	**16**	10 U	**20**	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.8**	**6.8**	**3.6**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.50 U	**2.4**	**2.8**	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.52 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	1.9 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	1.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.66 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.50 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

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100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/08/24									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U								20	200
	Acenaphthene	NS	NS	NS	NS	NS								20	200
	Acenaphthylene	NS	NS	NS	NS	NS								210	2,100
	Anthracene	NS	NS	NS	NS	NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS								0.5	50
	Chrysene	NS	NS	NS	NS	NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS								0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS								280	2,800
	Fluorene	NS	NS	NS	NS	NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS								0.05	5
	Naphthalene	NS	NS	NS	NS	NS								14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	Phenanthrene	NS	NS	NS	NS	NS								210	2,100
	Pyrene	NS	NS	NS	NS	NS								210	2,100
	TRPH[1]	NS	NS	NS	NS	NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U								100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result
* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13[2]	MW-13R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7 - 19.7												
	Date Sampled	12/07/12	11/10/14	03/03/15	09/01/15	05/10/16	11/15/16	06/28/17	01/11/18	07/23/18	01/22/19	07/23/19	01/24/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1**	**5.0**	36 U	71 U	7.1 U	14 U	71 U	14 U	**2.2 I**	36 U	**1.7**	**2.2 I**	1	100
	Toluene	**2.6**	**5.9**	36 U	72 U	**8.0 I**	14 U	72 U	14 U	**2.9**	36 U	0.72 U	**1.8 I**	40	400
	Ethylbenzene	**22**	**25**	34 U	69 U	**66**	**42**	69 U	14 U	**7.9**	34 U	**0.79 I**	**6.9**	30	300
	Xylenes, total	1.3 U	6.5 U	65 U	130 U	13 U	26 U	130 U	26 U	3.2 U	65 U	1.3 U	3.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	3.0 U	30 U	60 U	6.0 U	12 U	60 U	12 U	1.5 U	30 U	0.60 U	1.5 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	4.9 U	49 U	98 U	9.8 U	20 U	98 U	20 U	2.4 U	49 U	0.98 U	2.4 U	12	1,200
	1,1-Dichloroethane	0.62 U	3.1 U	31 U	62 U	6.2 U	12 U	62 U	12 U	1.6 U	31 U	0.62 U	1.6 U	70	700
	1,1-Dichloroethene	0.94 U	4.7 U	47 U	94 U	9.4 U	19 U	94 U	19 U	2.4 U	47 U	0.94 U	2.4 U	7	700
	Tetrachloroethene	0.76 U	3.8 U	38 U	76 U	7.6 U	15 U	76 U	15 U	1.9 U	38 U	0.76 U	1.9 U	3	300
	Trichloroethene	0.89 U	4.4 U	44 U	89 U	8.9 U	18 U	89 U	18 U	2.2 U	44 U	0.89 U	2.2 U	3	300
	1,1,1-Trichloroethane	0.80 U	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	200	2,000
	Vinyl Chloride	0.71 U	3.6 U	36 U	71 U	7.1 U	14 U	71 U	14 U	1.8 U	36 U	0.71 U	1.8 U	1	100
	cis-1,2-Dichloroethene	0.53 U	2.6 U	26 U	53 U	5.3 U	11 U	53 U	11 U	1.3 U	26 U	0.53 U	1.3 U	70	700
	trans-1,2-Dichloroethene	0.73 U	3.6 U	36 U	73 U	7.3 U	15 U	73 U	15 U	1.8 U	36 U	0.73 U	1.8 U	100	1,000
	Acetone	**310**	25 U	250 U	500 U	50.0 U	200 U	1000 U	200 U	25.0 U	500 U	**13 I**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**3,600**	**8,400**	**7,800**	**6,100**	**700**	**1,600**	**540**	**1,300**	**130**	**180**	**18**	**300**	660	6,600
	Isopropylbenzene (Cumene)	**3.0**	3.4 U	34 U	67 U	**16**	**13 U**	**67 U**	**13 U**	**8.5**	**34 U**	**9.8**	**11**	0.8	8
	Chloroform	**4.7**	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	70	700
	2-Butanone (MEK)	**6.3**	22 U	220 U	450 U	45 U	90 U	450 U	90 U	11 U	220 U	4.5 U	11 U	*	*
	4-Methyl-2-pentanone (MIBK)	**6.3**	4.0 U	40 U	79 U	7.9 U	16 U	79 U	16 U	2.0 U	40 U	0.79 U	2.0 U	*	*
	Bromodichloromethane	**0.91 I**	2.6 U	26 U	52 U	5.2 U	10 U	52 U	10 U	1.3 U	26 U	0.52 U	1.3 U	0.6	60
	Dibromochloromethane	**0.56 I**	2.2 U	22 U	44 U	4.4 U	8.8 U	44 U	8.8 U	1.1 U	22 U	0.44 U	1.1 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	**11**	35 U	69 U	6.9 U	14 U	69 U	14 U	1.7 U	34 U	0.69 U	1.7 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	2.9 U	29 U	58 U	5.8 U	12 U	58 U	12 U	1.4 U	29 U	0.58 U	1.4 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.79 I**	1.4 U	**1.1**	**0.77 I**	**0.84 I**								1	100
	Toluene	**0.96 I**	1.4 U	0.72 U	0.72 U	0.72 U								40	400
	Ethylbenzene	**9.4**	**4.8**	**1.6**	0.69 U	0.69 U								30	300
	Xylenes, total	1.3 U	2.6 U	1.3 U	1.3 U	1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	1.2 U	0.60 U	0.60 U	0.60 U								20	200
	Acenaphthene	NS	NS	NS	NS	NS								20	200
	Acenaphthylene	NS	NS	NS	NS	NS								210	2,100
	Anthracene	NS	NS	NS	NS	NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS								0.5	50
	Chrysene	NS	NS	NS	NS	NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS								0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS								280	2,800
	Fluorene	NS	NS	NS	NS	NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS								0.05	5
	Naphthalene	NS	NS	NS	NS	NS								14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	Phenanthrene	NS	NS	NS	NS	NS								210	2,100
	Pyrene	NS	NS	NS	NS	NS								210	2,100
	TRPH[1]	NS	NS	NS	NS	NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS								3	300
OTHER	Chloroethane	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	1.2 U	0.62 U	0.62 U	0.62 U								70	700
	1,1-Dichloroethene	0.94 U	1.9 U	0.94 U	0.94 U	0.94 U								7	700
	Tetrachloroethene	0.76 U	1.5 U	0.76 U	0.76 U	0.76 U								3	300
	Trichloroethene	0.89 U	1.8 U	0.89 U	0.89 U	0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U								200	2,000
	Vinyl Chloride	0.71 U	1.4 U	0.71 U	0.71 U	0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	1.5 U	0.73 U	0.73 U	0.73 U								100	1,000
	Acetone	**18 I**	20 U	**70**	25 U	**36 I**								6,300	63,000
	4-Isopropyltoluene (Cymene)	**490**	**64**	**1.4**	**0.86 I**	**10**								660	6,600
	Isopropylbenzene (Cumene)	**12**	**14**	**19**	**31**	**26**								0.8	8
	Chloroform	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U								70	700
	2-Butanone (MEK)	4.5 U	9.0 U	4.5 U	4.5 U	4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	5.0 U	2.5 U	5.0 U	NA								*	*
	Bromodichloromethane	0.52 U	1.0 U	0.52 U	0.52 U	0.52 U								0.6	60
	Dibromochloromethane	0.44 U	1.0 U	0.50 U	0.50 U	0.50 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	1.2 U	0.58 U	0.58 U	0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result
2. Well Abandoned
* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-14[2]	MW-14R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7-19.7											
	Date Sampled	12/07/12	11/14/14	03/02/15	09/02/15	05/09/16	11/15/16							
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	Toluene	**1.4**	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U						40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U						20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U						20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS						20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS						210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS						2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS						0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS						210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS						0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS						4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS						0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS						280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS						280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS						0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS						14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS						210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS						210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS						5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS						0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS						3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U						12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U						70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U						7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U						3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U						3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U						70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U						100	1,000
	Acetone	**92**	5.0 U	5.0 U	5.0 U	**6.5** I	10 U						6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,900**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U						0.8	8
	Chloroform	**5.8**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U						*	*
	4-Methyl-2-pentanone (MIBK)	**2.5** I	0.79 U	0.79 U	0.79 U	0.79 U	5.0 U						*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U						0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U						0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U						10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-15												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U								20	200
	Acenaphthene	NS	NS	NS	NS	NS								20	200
	Acenaphthylene	NS	NS	NS	NS	NS								210	2,100
	Anthracene	NS	NS	NS	NS	NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS								0.5	50
	Chrysene	NS	NS	NS	NS	NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS								0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS								280	2,800
	Fluorene	NS	NS	NS	NS	NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS								0.05	5
	Naphthalene	NS	NS	NS	NS	NS								14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	Phenanthrene	NS	NS	NS	NS	NS								210	2,100
	Pyrene	NS	NS	NS	NS	NS								210	2,100
	TRPH[1]	NS	NS	NS	NS	NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U								100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	10 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U								0.8	8
	Chloroform	**7.2**	**4.7**	**0.88 I**	0.80 U	0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U								*	*
	Bromodichloromethane	**1.3**	0.52 U	0.52 U	0.52 U	0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44	0.44 U	0.44 U	0.44 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.9** I	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/12/21	11/09/21	03/02/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL
100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	09/03/15	05/10/16	11/14/16	06/27/16	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20	02/11/21	11/08/21		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	**2.4** I	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18									MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7									9.7-19.7				
	Date Sampled	03/02/23	02/09/24								09/03/15				
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U								0.71 U			1	100
	Toluene	0.72 U	0.72 U								0.72 U			40	400
	Ethylbenzene	0.69 U	0.69 U								0.69 U			30	300
	Xylenes, total	1.3 U	1.3 U								1.3 U			20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U								0.60 U			20	200
	Acenaphthene	NS	NS								NS			20	200
	Acenaphthylene	NS	NS								NS			210	2,100
	Anthracene	NS	NS								NS			2,100	21,000
	Benzo(a)anthracene	NS	NS								NS			0.05	5
	Benzo(a)pyrene	NS	NS								NS			0.2	20
	Benzo(b)fluoranthene	NS	NS								NS			0.05	5
	Benzo(ghi)perylene	NS	NS								NS			210	2,100
	Benzo(k)fluoranthene	NS	NS								NS			0.5	50
	Chrysene	NS	NS								NS			4.8	480
	Dibenz(ah)anthracene	NS	NS								NS			0.005	0.5
	Fluoranthene	NS	NS								NS			280	2,800
	Fluorene	NS	NS								NS			280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS								NS			0.05	5
	Naphthalene	NS	NS								NS			14	140
	1-Methyl Naphthalene	NS	NS								NS			28	280
	2-Methyl Naphthalene	NS	NS								NS			28	280
	Phenanthrene	NS	NS								NS			210	2,100
	Pyrene	NS	NS								NS			210	2,100
	TRPH[1]	NS	NS								NS			5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS								NS			0.02	2
	1,2-Dichloroethane	NS	NS								NS			3	300
OTHER	Chloroethane	0.98 U	0.98 U								0.98 U			12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U								0.62 U			70	700
	1,1-Dichloroethene	0.94 U	0.94 U								0.94 U			7	700
	Tetrachloroethene	0.76 U	0.76 U								0.76 U			3	300
	Trichloroethene	0.89 U	0.89 U								0.89 U			3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U								0.80 U			200	2,000
	Vinyl Chloride	0.71 U	0.71 U								0.71 U			1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U								0.53 U			70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U								0.73 U			100	1,000
	Acetone	25 U	25 U								5.0 U			6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U								0.80 U			660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U								0.67 U			0.8	8
	Chloroform	0.80 U	0.80 U								0.80 U			70	700
	2-Butanone (MEK)	4.5 U	4.5 U								4.5 U			*	*
	4-Methyl-2-pentanone (MIBK)	5.0 U	NA								0.79 U			*	*
	Bromodichloromethane	0.52 U	0.52 U								0.52 U			0.6	60
	Dibromochloromethane	0.44 U	0.44 U								0.44 U			0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U								0.69 U			10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U								0.58 U			10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-20				MW-21								62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7				9.7-19.7									
	Date Sampled	09/03/15	05/09/16	11/14/16		09/03/15									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U		0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U		1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U		0.60 U								20	200
	Acenaphthene	NS	NS	NS		NS								20	200
	Acenaphthylene	NS	NS	NS		NS								210	2,100
	Anthracene	NS	NS	NS		NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS		NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS		NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS		NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS		NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS		NS								0.5	50
	Chrysene	NS	NS	NS		NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS		NS								0.005	0.5
	Fluoranthene	NS	NS	NS		NS								280	2,800
	Fluorene	NS	NS	NS		NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS		NS								0.05	5
	Naphthalene	NS	NS	NS		NS								14	140
	1-Methyl Naphthalene	NS	NS	NS		NS								28	280
	2-Methyl Naphthalene	NS	NS	NS		NS								28	280
	Phenanthrene	NS	NS	NS		NS								210	2,100
	Pyrene	NS	NS	NS		NS								210	2,100
	TRPH[1]	NS	NS	NS		NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS		NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS		NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U		0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U		0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U		0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U		0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U		0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U		0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U		0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U		0.73 U								100	1,000
	Acetone	5.0 U	**8.3** I	10 U		5.0 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U		0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U		0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U		0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U		4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U		0.79 U								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U		0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U		0.44 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U		0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-22												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration
	Screened Interval	9.7-19.7													
	Date Sampled	05/20/21	11/08/21	03/01/23	02/07/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758
Facility Address: 2501 West Orange Avenue, Apopka, Florida

Results= µg/L
NS= Not sampled
ND= Not detected

	Sample Location	MW-1R							MW-2R								62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1							10.1-20.1									
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24				
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs		0.0	0.0						0.0	0.0							
	Limonene	ND			ND	ND	ND		ND			ND	ND	ND				
	Ethanol	ND			ND	15 I J3	ND		ND			ND	11 I J3	ND				
	Isopropyl alcohol	ND			ND	6.3 I V	ND		ND			ND	5.9 I V	ND				
	Isobutyl alcohol	ND			ND	25 I	ND		ND			ND	170	ND				
	trans-1,4-Dichloro-2-butene	ND			ND	2.6	ND		ND			ND	ND	ND				
	Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	ND			ND	ND	ND		ND			ND	65 N	ND				
	Cyclohexane, 3-methyl-6-(1-methylethyl)-	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, endo-	ND			ND	ND	ND		ND			ND	12 N	ND				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-	ND			ND	6.8 N	ND		ND			ND	ND	14 N				
	1-Methyl-4-(1-methylethyl)-cyclohexane	ND			ND	ND	ND		ND			ND	18 N	ND				
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	ND			ND	100 N	18 N		N			ND	23 N	880 N				
	1-Methyl-4-(1-methylethyl)-cyc	30 N			ND	ND	ND		ND			17 N	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	330 N			ND	ND	ND		510 N			ND	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	8.4 N			ND	ND	ND		ND			ND	ND	ND				
	Tert-amyl methyl ether	ND			ND	ND	ND		ND			ND	ND	ND				
	Methyl methacrylate	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentane, methyl-	7.9 N			5.3 N	ND	ND		ND			63 N	ND	51 N				
	Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	ND			ND	ND	ND		ND			ND	ND	10 N				
	Furan, tetrahydro-2,2-dimethyl	13 N			6.3 N	ND	ND		ND			ND	ND	ND				
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-	ND			ND	11 N	11 N		ND			ND	ND	ND				
	Octane, 2, 6-dimethyl-	16 N			ND	ND	ND		ND			5.0 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-	ND			ND	ND	ND		650 N			170 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methyleth	ND			ND	ND	ND		ND			ND	ND	370 N				
	Eucalyptol	ND			ND	ND	ND		600 N			140 N	ND	ND				
	L-Fenchone	ND			42 N	ND	ND		1300 N			270 N	ND	ND				
	Camphor	ND			ND	ND	ND		ND			92 N	ND	ND				
	Carbon Dioxide	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, decamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, octamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Sulfur Dioxide	ND			ND	ND	23 N		ND			ND	ND	29 N				
	(1R)-2,6,6-trimethylbicyclo[3.1.1]hept-2-ene	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	(+)-2-Bornanone	ND			ND	ND	ND		ND			ND	ND	300 N				
	Hexane	ND			ND	ND	ND		ND			35 N	10	ND				
	Nonane, 3-methyl-	ND			ND	ND	ND		ND			ND	ND	ND				

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-17										MW-5R					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7										9.7-19.7						
	Date Sampled	01/22/20	08/03/20	02/11/21	11/08/21	03/01/23	02/09/24					01/23/20	08/03/20	02/11/21	11/08/21	03/02/23		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0						0.0	0.0	0.0			
	Limonene					ND						ND				ND		
	Isopropyl alcohol					4.8 I V												
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						85 N				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-					ND						ND				16 N		
	Cyclopentane, methyl-					ND						ND				ND		
	Furan, tetrahydro-2,2-dimethyl					ND						ND				ND		
	Isopropyl alcohol					ND						ND				3.9 I V		
	Tert-amyl methyl ether					0.98 I						ND				1.0 I		
	Methyl methacrylate					0.79 I						ND				ND		
	Octane, 2, 6-dimethyl-					ND						ND				ND		
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						17 N				ND		
	Eucalyptol					ND						ND				ND		
	L-Fenchone					ND						ND				ND		
	Carbon Dioxide					ND						ND				ND		
	Cyclopentasiloxane, decamet…					ND						ND				ND		
	Cyclopentasiloxane, octamet…					ND						ND				ND		
	Nonane, 3-methyl-					ND						ND				ND		

	Sample Location	MW-5R		MW-6R						MW-7R							62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7		9.7-19.7						9.7-19.7								
	Date Sampled	02/09/24		1/22-24/20	8/3-8/4/20	2/11-2/12/21	02/28/23	02/07/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs			NS	NS	NS				0.0	0.0	0.0	0.0					
	Limonene	ND					ND	ND						ND	ND			
	1-Methyl-4-(1-methylethyl)-cyc	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	29 N					ND	ND						ND	ND			
	Cyclopentane, methyl-	ND					ND	ND						ND	ND			
	Furan, tetrahydro-2,2-dimethyl	ND					ND	ND						ND	ND			
	Isopropyl alcohol	ND					3.8 I V	ND						4.2 I V	ND			
	Tert-amyl methyl ether	ND					0.94 I	ND						1.0 I	ND			
	Methyl methacrylate	ND					1.1 I	ND						ND	ND			
	Octane, 2, 6-dimethyl-	ND					ND	ND						ND	ND			
	7-Oxabicyclo[2.2.1]heptane, 1-	ND					ND	ND						ND	ND			
	Eucalyptol	ND					ND	ND						ND	ND			
	L-Fenchone	ND					ND	ND						ND	ND			
	Carbon Dioxide	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, decamet…	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, octamet…	ND					ND	ND						ND	ND			
	Sulfur Dioxide	11 N					ND	17 N						ND	13 N			
	Nonane, 3-methyl-	ND					ND	ND						ND	ND			

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-8D-R			MW-9R						MW-10R			MW-12R			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	30.1-35.1			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/22/20	08/03/20	02/11/21	11/08/21	02/28/23	02/07/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/23/20	08/03/20	02/11/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS	0.0	0.0	0.0			0.0	NS	NS	NS	0.0	0.0	0.0		
	D-Limonene							ND	ND									
	Ethanol							ND	ND									
	Isobutyl alcohol							ND	ND									
	Isopropyl alcohol							ND	6.1 IV									
	(+)-2-Bornanone							ND	ND									
	1-Methyl-4-(1-methylethyl)-cyclohexane							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (01)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (02)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-							ND	ND									
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethylidene)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-							ND	ND									
	Cyclopentane, methyl-							ND	ND									
	Furan, tetrahydro-2,2-dimethyl							ND	ND									
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-							ND	ND									
	Octane, 2, 6-dimethyl-							ND	ND									
	7-Oxabicyclo[2.2.1]heptane, 1-							ND	ND									
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-							ND	ND									
	Eucalyptol							ND	ND									
	L-Fenchone							43 N	ND									
	Camphor							ND	ND									
	Carbon Dioxide							ND	ND									
	Cyclopentasiloxane, decamet…							ND	ND									
	Cyclopentasiloxane, octamet…							ND	ND									
	Nonane, 3-methyl-							ND	ND									

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-12R			MW-13R						MW-14R			MW-15			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	11/08/21	03/02/23	02/08/24	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	1/22-24/2020	8/3-8/4/20	2/11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0				0.0					NS	NS	NS	NS	NS	NS		
	Limonene		ND	ND	ND		39 N	ND	ND	ND								
	Ethanol		3.9 I J3	ND	ND			ND	47 I J3	ND								
	Isopropyl alcohol		3.0 I V	ND	ND			ND	ND	ND								
	Isobutyl alcohol		ND	ND	ND			ND	40 I	ND								
	(+)-2-Bornanone		ND	ND	ND			ND	82 N	ND								
	Tert-amyl methyl ether		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyc		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyclohexane		ND	ND	110 N			ND	50 N	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (01)		ND	ND	800 N			400 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (02)		ND	ND	470 N			91 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-		ND	ND	ND			ND	1300 N	1100 N								
	Bicyclo[2.2.1]heptan-2-one,1,7,7-trimethyl-(1S)-		ND	ND	ND			ND	ND	93 N								
	Bicyclo[2.2.1]heptane,2,2,3-trimethyl-		ND	ND	ND			ND	ND	12 N								
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-		ND	ND	ND			ND	32 N	ND								
	Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)-		ND	ND	ND			ND	ND	25 N								
	Cyclohexane,1-methyl-4-(1-methylethylidene)-		ND	ND	ND			45 N	ND	ND								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-		ND	ND	ND			ND	100 N	99 N								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, cis-		ND	ND	ND			ND	ND	180 N								
	Cyclopentane, methyl-		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-		ND	ND	ND			ND	64 N	ND								
	Napthalene,decahydro-1,8a-dimethyl-7-(1-methylethyl)-,[1R		ND	ND	ND			ND	ND	11 N								
	Octane, 2, 6-dimethyl-		ND	ND	ND			ND	ND	21 N								
	7-Oxabicyclo[2.2.1]heptane, 1-		ND	ND	230 N			ND	ND	ND								
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-		ND	ND	ND			ND	30 N	ND								
	7-Oxabicyclo[2.2.1]heptane,1-methyl-4-(1-methylethyl)-		ND	ND	ND			ND	ND	11 N								
	Eucalyptol		ND	ND	1100 N			320 N	260 N	ND								
	L-Fenchone		ND	ND	700 N			250 N	ND	ND								
	Camphor		ND	ND	ND			150 N	ND	ND								
	Carbon Dioxide		ND	ND	67 N			ND	ND	ND								
	Sulfur Dioxide		ND	7.0 N	ND			ND	ND	15 N								
	Cyclopentasiloxane, decamet…		ND	ND	250 N			ND	ND	ND								
	Cyclopentasiloxane, octamet…		ND	ND	430 N			ND	ND	ND								
	Nonane, 3-methyl-		ND	ND	32 N			ND	ND	ND								

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-16						MW-18						MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7						9.7-19.7						9.7-19.7				
	Date Sampled	01/23/20	08/04/20	02/12/21	11/09/21	03/02/23	02/09/24	01/22/20	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24	1/22-24/20	8/3-8/4/20	11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	NS	NS	NS		
	Limonene					ND						ND						
	2-Methyl-2-propanol					ND						ND						
	Ethanol					5.7 I J3						ND						
	Isopropyl alcohol					2.8 I V						4.9 I V						
	Tert-amyl methyl ether					ND						1.1 I						
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND						
	Cyclopentane, methyl-					ND						ND						
	Furan, tetrahydro-2,2-dimethyl					ND						ND						
	Octane, 2, 6-dimethyl-					ND						ND						
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						ND						
	Eucalyptol					ND						ND						
	L-Fenchone					ND						ND						
	Carbon Dioxide					ND						ND						
	Cyclopentasiloxane, decamet…					ND						ND						
	Cyclopentasiloxane, octamet…					ND						ND						
	Nonane, 3-methyl-					ND						ND						

	Sample Location	MW-20					MW-21					MW-22					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7					9.7-19.7					9.7-19.7						
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21			1/22-24/20	8/3-8/4/20	2/11-2/12/21			05/20/21	11/08/21	03/01/23	02/07/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS			NS	NS	NS			0.0	0.0		0.0			
	Limonene													ND				
	2-Methyl-2-propanol													100				
	1-Methyl-4-(1-methylethyl)-cyc													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)													ND				
	Cyclopentane, methyl-													ND				
	Furan, tetrahydro-2,2-dimethyl													ND				
	Octane, 2, 6-dimethyl-													ND				
	7-Oxabicyclo[2.2.1]heptane, 1-													ND				
	Eucalyptol													ND				
	L-Fenchone													ND				
	Carbon Dioxide													ND				
	Cyclopentasiloxane, decamet…													ND				
	Cyclopentasiloxane, octamet…													ND				
	Nonane, 3-methyl-													ND				

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).

U= Compound was analyzed for but not detected.

N= Presumptive evidence of presence of material.

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.	PZ-1*			PZ-2*			PZ-3			MW-1			MW-2			MW-3			MW-4		
DIAMETER (in.)	2			2			2			2			**2**			**2**			**2**		
WELL DEPTH (ft.)	15.3			20.3			20.3			20.3			**20.3**			**21.3**			**20**		
SCREEN INTERVAL (ft.)	5-15			10-20			10-20			10-20			10-20			11-21			**9.7-19.7**		
TOC ELEVATION (feet)	98.34			101.51			100.91			97.94			97.54			97.07			98.92		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/31/2011	83.64	14.70	14.60	84.78	16.73		85.96	14.95													
2/19/2011		dry		84.09	17.42		82.22	18.69													
4/4/2011		dry		85.79	15.72		88.14	12.77													
5/5/2011				84.91	16.60		85.35	15.56		83.87	14.07		84.17	13.37		84.12	12.95				
6/1/2011										83.41	14.53		83.71	13.83							
9/19/2011				85.21	16.30		86.57	14.34		84.01	13.93		84.33	13.21		84.38	12.69		85.68	13.24	
10/21/2011																					
11/21/2011							85.41	15.50		84.35	13.59			covered			covered		85.94	12.98	
3/9/2012							82.32	18.59		80.35	17.59		81.09	16.45		80.56	16.51		81.82	17.10	
TOC ELEVATION (feet)**								102.68			99.69			99.29			98.82			98.67	
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
5/7/2012							83.65	19.03		80.26	19.43		80.64	18.65		80.45	18.37		79.70	18.97	
12/7/2012																					
1/26/2013								destroyed		83.12	16.57			covered		83.27	15.55		83.00	15.67	

* - Piezometers PZ-1 and PZ-2 were removed and monitoring wells MW-1 and MW-10, respectively, were installed at those locations.
** - All TOC elevations in wells were resurveyed on May 7, 2012.
*** - All of these wells were abandoned in February, 2014 prior to site redevelopment.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.	MW-5			MW-6			MW-7			MW-8D			MW-9			MW-10			MW-11		
DIAMETER (in.)	2			2			2			2			2			2			2		
WELL DEPTH (ft.)	19.7			20.4			19.9			35			20.4			19.7			19.9		
SCREEN INTERVAL (ft.)	9.4-19.4			10.1-20.1			9.6-19.6			29.7-34.7			10.1-20.1			9.4-19.4			9.6-19.6		
TOC ELEVATION (feet)	99.66			99.45			98.06			99.47			99.25			99.49			99.26		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
9/19/2011	85.15	14.51		86.23	13.22		84.24	13.82		85.78	13.69										
10/21/2011																					
11/21/2011	85.87	13.79		86.28	13.17		no access			86.04	13.43		86.97	12.28		87.08	12.41		85.16	14.10	
3/9/2012	83.13	16.53		82.45	17.00		81.75	16.31		82.25	17.22		82.85	16.40		82.86	16.63		81.67	17.59	
TOC ELEVATION (feet)**	99.38			99.50			99.80			99.47			99.25			99.48			98.99		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
5/7/2012	81.84	17.54		80.66	18.84		82.36	17.44		80.27	19.20		81.02	18.23		81.05	18.43		79.58	19.41	
12/7/2012																					
1/26/2013	83.45	15.93		83.53	15.97		84.20	15.60		83.21	16.26		84.16	15.09		84.50	14.98		82.45	16.54	

** - All TOC elevations in wells were resurveyed on May 7, 2012.
*** - All of these wells were abandoned in February, 2014 prior to site redevelopment.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.	MW-12			MW-13			MW-14														
DIAMETER (in.)	2			2			2														
WELL DEPTH (ft.)	20.4			22.0			22.0														
SCREEN INTERVAL (ft.)	10.1-20.1			11.5-21.5			11.5-21.5														
TOC ELEVATION (feet)	98.09																				
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
10/21/2011	83.47	14.62																			
11/21/2011	no access																				
3/9/2012	80.95	17.14																			
TOC ELEVATION (feet)**	99.81			99.85			99.21														
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
5/7/2012	81.48	18.33																			
12/7/2012				87.18	12.67		85.46	13.75													
1/26/2013	83.25	16.56		83.85	16.00		83.76	15.45													

** - All TOC elevations in wells were resurveyed on May 7, 2012.
*** - All of these wells were abandoned in February, 2014 prior to site redevelopment.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.****	MW-1R			MW-2R			MW-17			MW-5R			MW-6R			MW-7R			MW-8D-R		
DIAMETER (in.)	2			2			2			2			2			2			2		
WELL DEPTH (ft.)	20.4			20.4			20.0			20.0			20.0			20.0			35.4		
SCREEN INTERVAL (ft.)	10.1-20.1			10.1-20.1			9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7			30.1-35.1		
TOC ELEVATION (feet)	96.65			97.01			96.98			96.69			97.58			96.94			96.74		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/10/2014										85.41	11.28	-									
11/13/2014	85.90	10.75	-	85.05	11.96	-	84.88	12.10	-				84.91	12.67	-	85.47	11.47	-	84.62	12.12	-
12/29/2014	86.30	10.35	-	85.89	11.12	-	85.45	11.53	-	85.75	10.94	-	85.65	11.93	-	86.07	10.87	-	85.24	11.50	-
TOC ELEVATION (feet)	96.45			96.81			96.79			96.49			97.38			96.76			96.54		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
3/3/2015	85.87	10.58	-	85.34	11.47	-	84.83	11.96	-	85.26	11.23	-	84.97	12.41	-	85.48	11.28	-	84.89	11.65	-
4/9/2015	84.88	11.57	-	84.23	12.58	-	83.86	12.93	-	84.28	12.21	-	84.01	13.37	-	84.53	12.23	-	83.60	12.94	-
9/1/15-9/3/15	87.82	8.63	-			1/4"	87.12	9.67	-	87.65	8.84	-	87.12	10.26	-	87.49	9.27	-			
5/9/16-5/11/16	83.06	13.39	-			1/4"	81.88	14.91	-	82.24	14.25	-				82.65	14.11	-			
11/14/16-11/16/16	85.49	10.96	-	84.21	12.60	mod film	84.79	12.00	-	85.15	11.34	-				85.14	11.62	-			
6/28/2017	83.57	12.88	-	82.25	14.56	slight film	81.47	15.32	-	82.56	13.93	-	81.82	15.56	-	82.40	14.36	-			
1/11/2018	85.12	11.33	-	84.01	12.80	slight film	84.62	12.17	-	84.54	11.95	-	84.98	12.40	-	84.81	11.95	-			
7/23/2018	86.68	9.77	-	87.03	9.78	-	86.51	10.28	-	86.39	10.10	-	87.13	10.25	-	86.62	10.14	-			
1/21/2019	86.62	9.83	-	85.75	11.06	heavy film	86.58	10.21	-	86.33	10.16	-	86.70	10.68	-	86.39	10.37	-			
7/22/2019	86.11	10.34	-			heavy film	85.74	11.05	-	85.74	10.75	-	86.31	11.07	-	85.95	10.81	-			
1/24/2020	86.10	10.35	-	85.77	11.04	-	85.77	11.02	-	85.69	10.80	-	86.10	11.28	-	85.94	10.82	-			
8/3/2020	86.17	10.28	-	85.57	11.24	-	85.54	11.25	-	85.69	10.80	-				85.70	11.06	-			
2/12/2021	85.95	10.50	-	85.81	11.00	-	85.78	11.01	-	85.62	10.87	-	86.11	11.27	-	85.86	10.90	-			
11/9/2021	86.85	9.60	-				86.40	10.39	-	86.40	10.09	-	86.93	10.45	-	86.77	9.99	-			
3/17/2022	86.25	10.20	-	85.18	11.63	-	85.40	11.39	-	85.55	10.94	-	85.75	11.63	-	86.10	10.66	-	84.65	11.89	-
3/1/2023	86.76	9.69	-	86.91	9.90	-	86.39	10.40	-	86.40	10.09	-	87.15	10.23	-	86.74	10.02	-			
2/7/2024	85.56	10.89	-	85.03	11.78	-	84.94	11.85	-	85.03	11.46	-	85.36	12.02	-	85.36	11.40	-			

**** - Site redevelopment was conducted in 2014 and the majority of the previous wells were reinstalled and new TOC elevations were obtained.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.****	MW-9R			MW-10R			MW-12R			MW-13R			MW-14R			MW-15			MW-16		
DIAMETER (in.)	2			2			2			2			2			2			2		
WELL DEPTH (ft.)	20.0			20.0			20.0			20.0			20.0			20.0			20.0		
SCREEN INTERVAL (ft.)	9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7		
TOC ELEVATION (feet)	97.20			97.96			96.59			96.51			97.93			97.96			96.78		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/10/2014							85.28	11.31	-	85.56	10.95	-									
11/13/2014	85.24	11.96	-	85.53	12.43	-															
11/14/2014													85.45	12.48	-	85.33	12.63	-	85.16	11.62	-
12/29/2014	85.95	11.25	-	86.06	11.90	-	85.73	10.86	-	86.06	10.45	-	86.12	11.81	-	86.03	11.93	-	85.92	10.86	-
TOC ELEVATION (feet)	97.00			97.76			96.39			96.31			97.72			97.75			96.57		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
3/3/2015	85.32	11.68	-	85.22	12.54	-	85.32	11.07	-	85.56	10.75	-	85.40	12.32	-	85.33	12.42	-	85.12	11.45	-
4/9/2015	84.32	12.68	-	84.55	13.21	-	84.23	12.16	-	84.54	11.77	-	84.54	13.18	-	84.39	13.36	-	84.24	12.33	-
9/1/15-9/3/15	87.50	9.50	-	86.08	11.68	-	87.45	8.94	-	87.70	8.61	-	87.02	10.70	-	86.86	10.89	-	87.17	9.40	-
5/9/16-5/11/16	83.60	13.40	-				82.39	14.00	-	82.32	13.99	-	82.59	15.13	-	82.45	15.30	-	82.36	14.21	-
11/14/16-11/16/16	84.80	12.20	-				85.06	11.33	-	85.36	10.95	-	85.06	12.66	-	85.00	12.75	-	85.02	11.55	-
6/28/2017	83.10	13.90	-	82.44	15.32	-	82.55	13.84	-	82.51	13.80	-	82.56	15.16	-	82.37	15.38	-	81.88	14.69	-
1/11/2018	85.05	11.95	-				84.45	11.94	-	84.86	11.45	-	84.99	12.73	-	84.84	12.91	-	84.64	11.93	-
7/23/2018	87.10	9.90	-				86.50	9.89	-	86.61	9.70	-	86.88	10.84	-	86.74	11.01	-	86.47	10.10	-
1/21/2019	86.66	10.34	-				86.24	10.15	-	86.46	9.85	-	86.52	11.20	-	86.39	11.36	-	86.27	10.30	-
7/22/2019	86.31	10.69	-				85.74	10.65	-	85.97	10.34	-	86.09	11.63	-	85.96	11.79	-	85.77	10.80	-
1/24/2020	86.07	10.93	-				85.67	10.72	-	85.99	10.32	-	86.00	11.72	-	85.93	11.82	-	85.79	10.78	-
8/3/2020	86.08	10.92	-				85.69	10.70	-	85.89	10.42	-	85.62	12.10	-	85.55	12.20	-	85.55	11.02	-
2/12/2021	86.27	10.73	-				85.53	10.86	-	85.84	10.47	-	86.02	11.70	-	85.93	11.82	-	85.69	10.88	-
11/9/2021	87.02	9.98	-	86.67	11.09	-				86.37	9.94	-	86.62	11.10	-	86.57	11.18	-	86.62	9.95	-
3/17/2022	86.59	10.41	-				86.05	10.34	-	85.71	10.60	-	85.50	12.22	-	85.41	12.34	-	85.57	11.00	-
3/1/2023	87.09	9.91	-				86.41	9.98	-	86.48	9.83	-							86.72	9.85	-
2/7/2024	85.29	11.71	-				85.11	11.28	-	85.51	10.80	-							85.31	11.26	-

**** - Site redevelopment was conducted in 2014 and the majority of the previous wells were reinstalled and new TOC elevations were obtained.

TABLE 4: RESULTS OF GROUNDWATER TABLE ELEVATION SURVEYS

Facility Name: Coca-Cola, Special Products Division-Tank #306
Facility Address: 2501 West Orange Avenue, Apopka, Florida
WCU Site ID: ERIC_12758

No Data = Blank

WELL NO.****	MW-18			MW-19			MW-20			MW-21			MW-22								
DIAMETER (in.)	2			2			2			2			2								
WELL DEPTH (ft.)	20.0			20.0			20.0			20.0			20.0								
SCREEN INTERVAL (ft.)	9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7			9.7-19.7								
TOC ELEVATION (feet)	96.34			96.16			95.98			96.16			96.45								
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
9/3/2015	87.30	9.04	-	87.22	8.94	-	87.48	8.50	-	87.43	8.73	-									
5/9/16-5/11/16	82.01	14.33	-				81.76	14.22	-												
11/14/16-11/16/16	85.14	11.20	-				85.17	10.81	-												
6/28/2017	82.19	14.15	-	82.08	14.08	-	82.18	13.80	-	82.08	14.08	-									
1/11/2018	84.44	11.90	-	84.43	11.73	-	84.39	11.59	-	84.62	11.54	-									
7/23/2018	86.50	9.84	-	86.54	9.62	-	86.57	9.41	-	86.58	9.58	-									
1/21/2019	86.21	10.13	-	86.35	9.81	-	86.21	9.77	-	86.33	9.83	-									
7/22/2019	85.69	10.65	-	85.75	10.41	-	85.82	10.16	-	85.95	10.21	-									
1/24/2020	85.59	10.75	-	85.63	10.53	-	85.62	10.36	-	85.81	10.35	-									
8/3/2020	85.62	10.72	-				85.81	10.17	-	85.89	10.27	-									
2/12/2021	85.43	10.91	-	85.41	10.75	-	85.41	10.57	-	85.63	10.53	-									
11/9/2021	86.38	9.96	-	86.45	9.71	-	86.55	9.43	-	86.77	9.39	-	86.85	9.60	-						
3/17/2022	85.25	11.09	-	85.46	10.70	-	85.48	10.50	-	85.75	10.41	-	86.13	10.32	-						
3/1/2023	86.23	10.11	-										86.94	9.51	-						
2/7/2024	84.91	11.43	-										85.19	11.26	-						

**** - Site redevelopment was conducted in 2014 and the majority of the previous wells were reinstalled and new TOC elevations were obtained.



SECTION 6
TOWNSHIP 21 SOUTH
RANGE 28 EAST

OBTAINED FROM SURE!MAPS RASTER U.S.G.S. QUAD MAP: APOPKA, FLORIDA 1980

N

0 1000 2000

APPROXIMATE SCALE: 1"=2000'



QUADRANGLE LOCATION

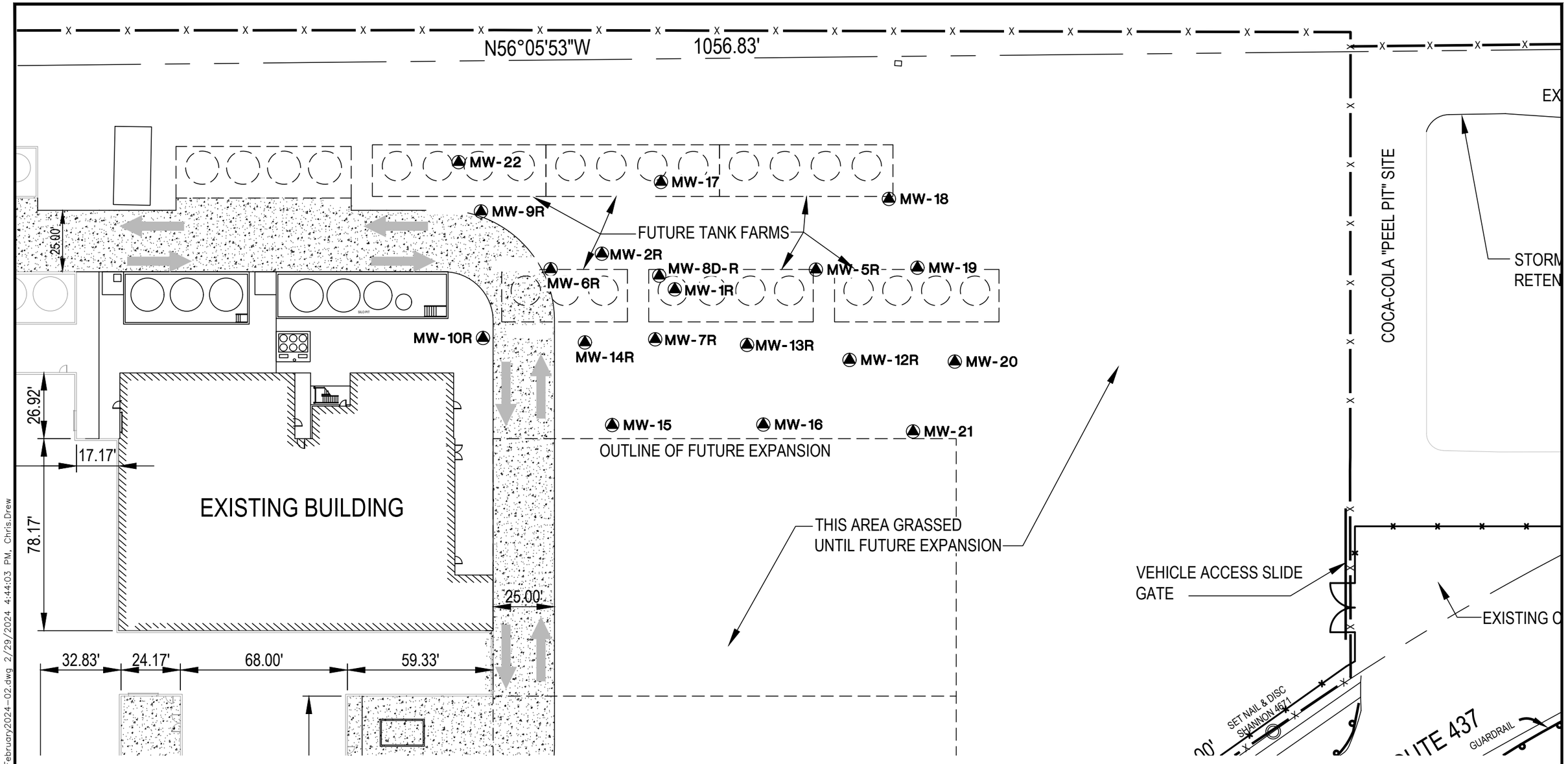
SITE LOCATION MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 1

T:\Orlando\10_10-6687A\February 2024\106687A-February2024-01.dwg 2/29/2024 4:43:54 PM, Chris.Drew



LEGEND

MW — MONITORING WELL LOCATIONS

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

WELL LOCATION PLAN

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 2

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GROUNDWATER CONCENTRATIONS

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 3

LEGEND

MW MONITORING WELL LOCATIONS

NOTES:
1. THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, PRINTED 07/12/21.
2. SOME SAMPLES HAD TO BE DILUTED MAKING DETECTION LIMITS HIGHER THAN GCTLs.

(I) CONCENTRATION DETECTED BETWEEN MDL AND PQL

U COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

SCALE: 1"=40'

0 20 40

N

DATE OF SAMPLE
11/13/14
BENZENE (µg/L)
1
4-ISOPROPYLTOLUENE (µg/L)
660
ISOPROPYLBENZENE (µg/L)
0.8

100 CONCENTRATION ABOVE GCTL

200 CONCENTRATION ABOVE NADC

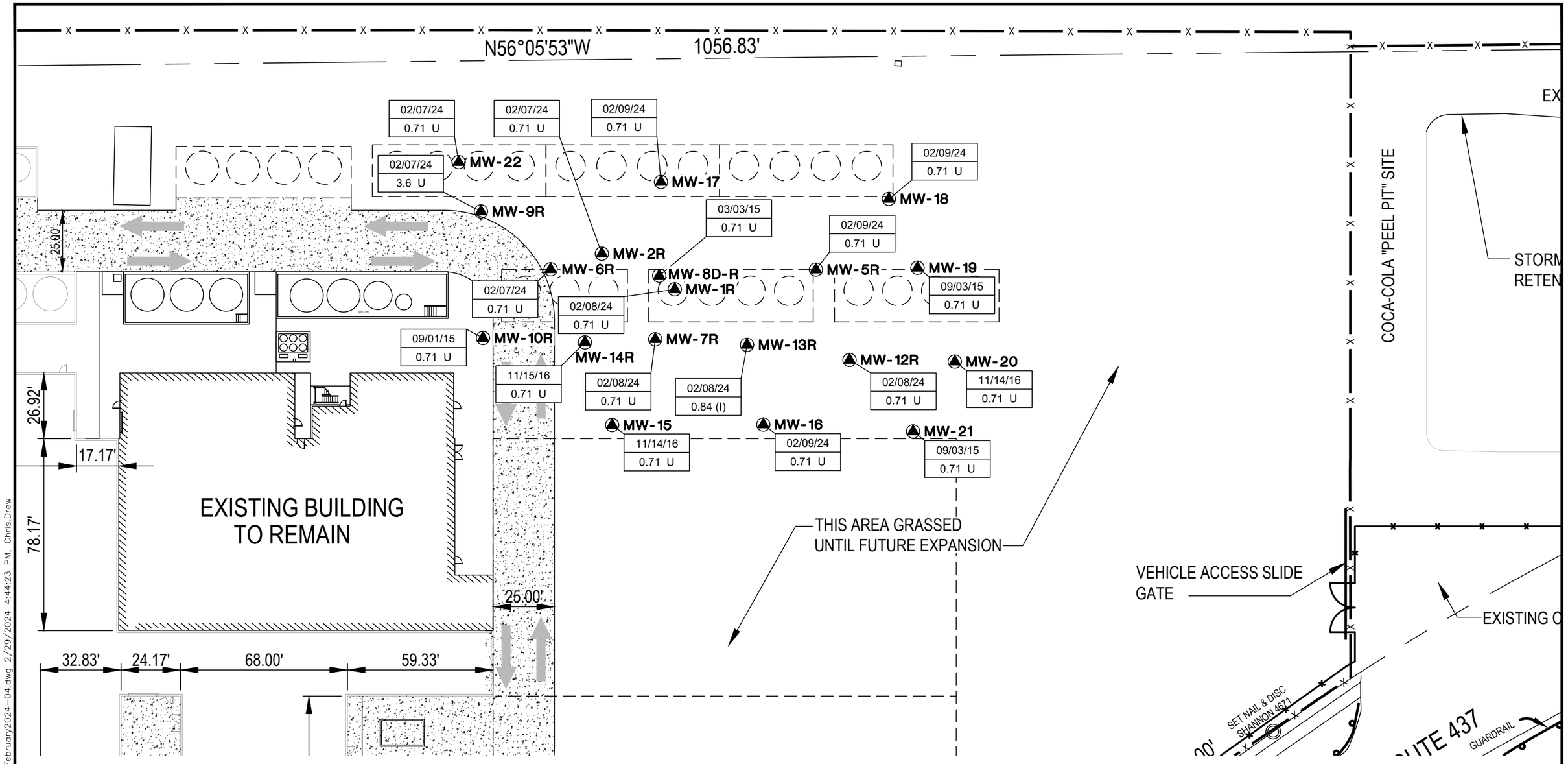
EXTENT OF CONCENTRATIONS GREATER THAN GCTLS

PROPOSED BUILDING LOCATION

30' OFFSET LINE FOR H-2 BLDG

50' OFFSET LINE FOR PROCESS AREA BUILDING/FILLING

| | | |



LEGEND

MW	MONITORING WELL LOCATIONS
03/03/15 / 1	DATE OF SAMPLE / BENZENE (µg/L)
660	CONCENTRATION ABOVE GCTL
6,600	CONCENTRATION ABOVE NADC
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40
SCALE: 1"=40'

BENZENE ISOCONTOUR MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 4

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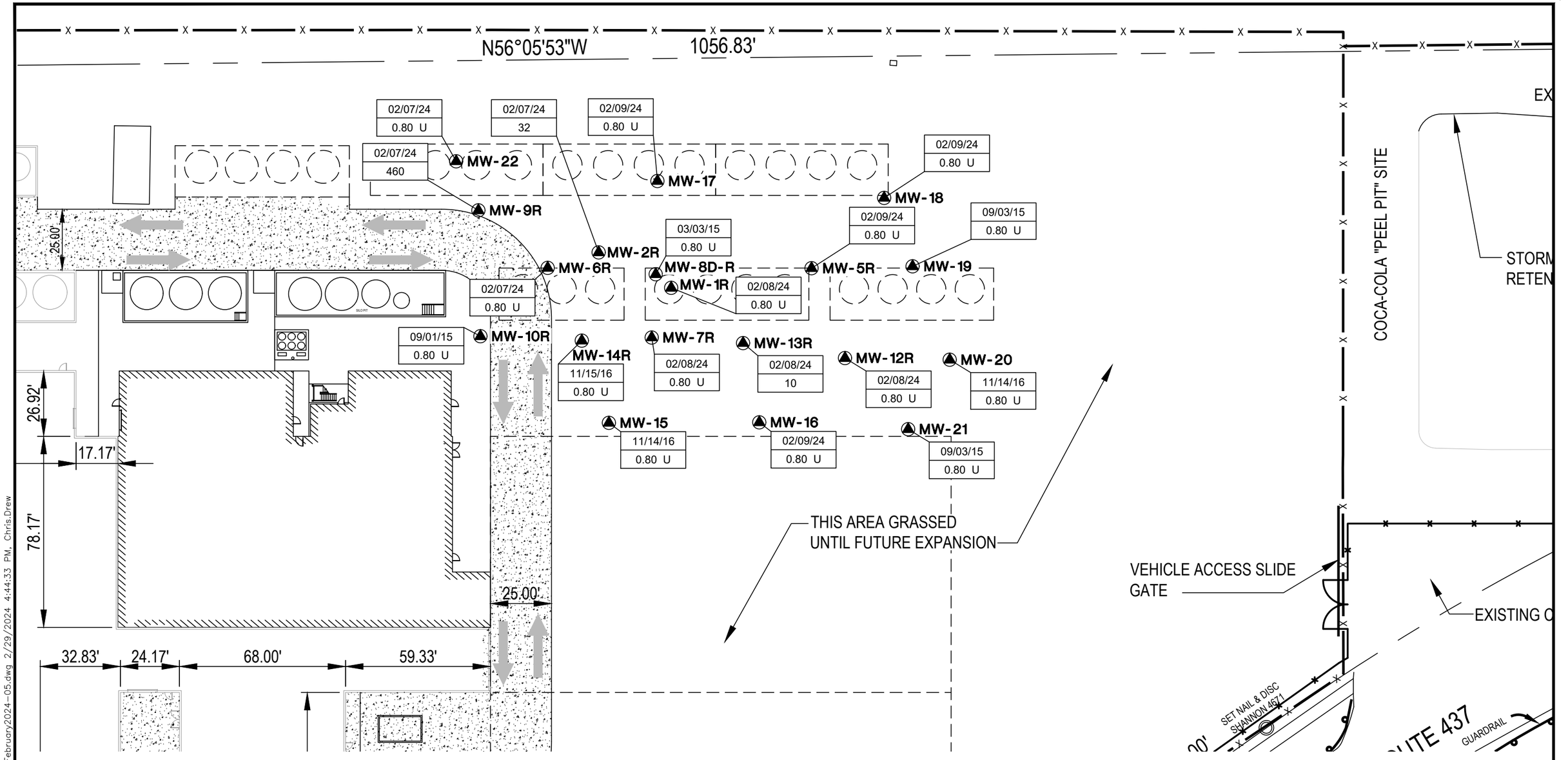

LEGEND

MW	MONITORING WELL LOCATIONS
02/11/21 660	DATE OF SAMPLE 4-ISOPROPYLTOLUENE (µg/L)
660	CONCENTRATION ABOVE GCTL
6,600	CONCENTRATION ABOVE NADC

U COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40
SCALE: 1"=40'

4-ISOPROPYLTOLUENE ISOCONTOUR MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 5

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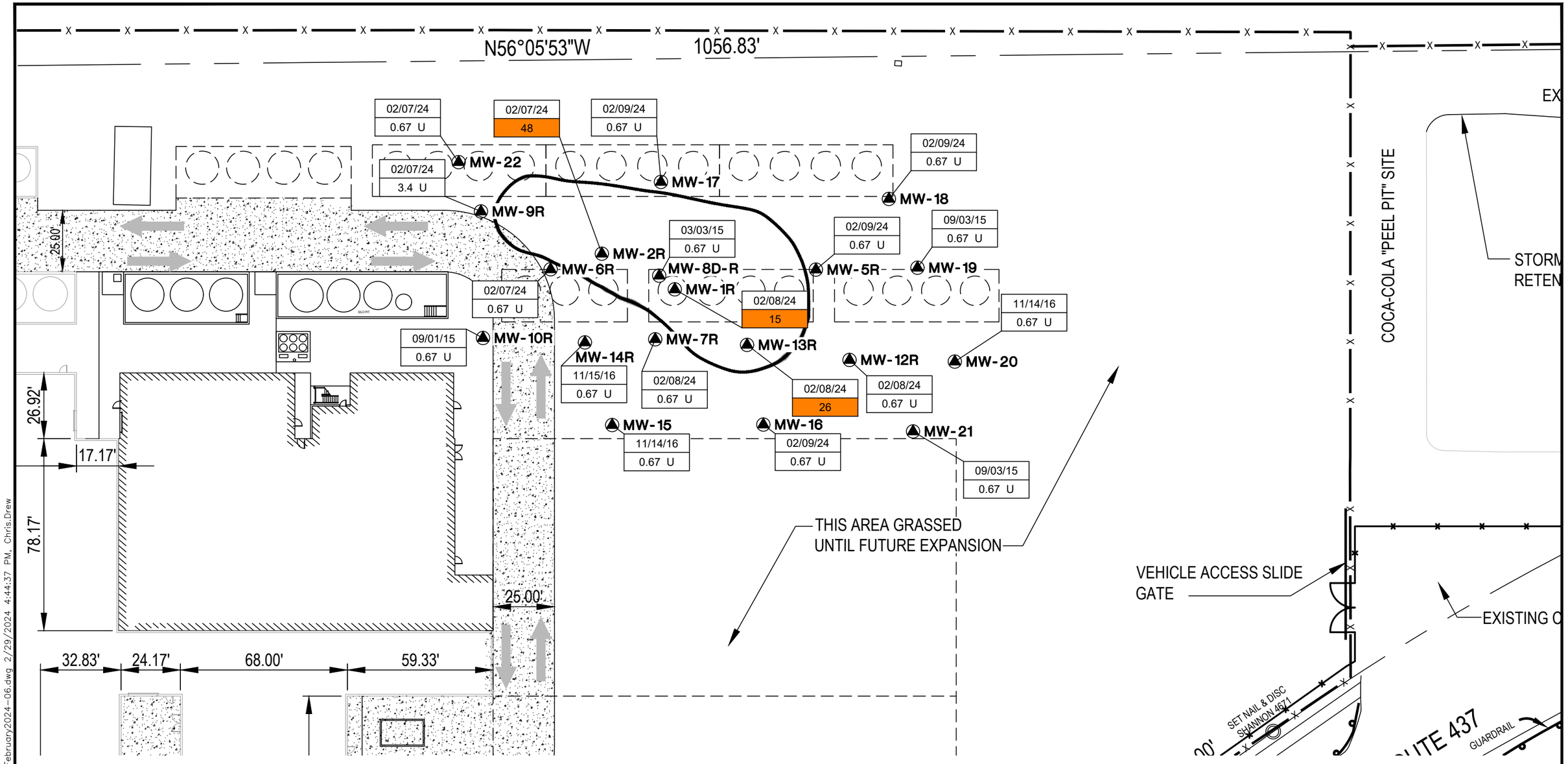

LEGEND

MW	MONITORING WELL LOCATIONS
03/03/15 / 0.8	DATE OF SAMPLE / ISOPROPYLBENZENE (µg/L)
0.8	CONCENTRATION ABOVE GCTL
8	CONCENTRATION ABOVE NADC
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
	ESTIMATED EXTENT OF ISOPROPYLBENZENE CONTAMINATION (DASHED WHERE INFERRED)

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40

SCALE: 1"=40'

ISOPROPYLBENZENE CONCENTRATION MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 6

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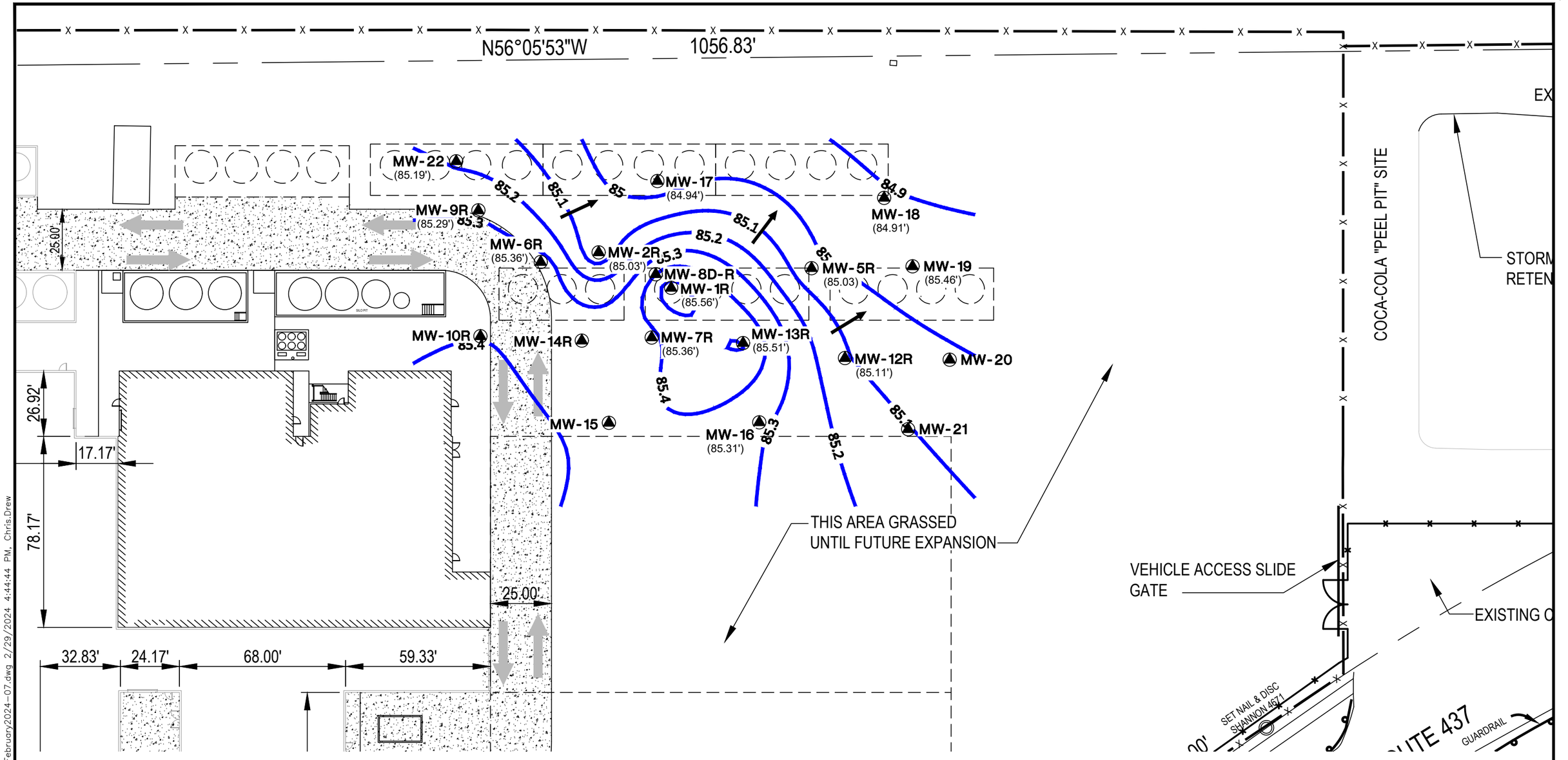

LEGEND

MW	MONITORING WELL LOCATIONS
(86.00')	RELATIVE GROUNDWATER ELEVATION BASED ON 02/07/24 DATA
86.00	RELATIVE GROUNDWATER ELEVATION CONTOUR BASED ON 02/07/24 DATA USING SURFER VERSION 16
	ESTIMATED GROUNDWATER FLOW DIRECTION

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40
SCALE: 1"=40'

GROUNDWATER TABLE ELEVATION SURVEY (02/07/24)

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 7

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APPENDIX I

Groundwater Analytical Reports
Sampling Logs
Calibration Logs

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Katie Minter
Ardaman & Associates Inc.
8008 South Orange Avenue
PO BOX 593003
Orlando, Florida 32809

Generated 2/15/2024 8:23:43 AM

JOB DESCRIPTION

Coca Cola

JOB NUMBER

670-34531-1

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs FL 32701

See page two for job notes and contact information.

Job Notes

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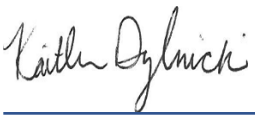
Authorization



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Definitions/Glossary

Client: Ardaman & Associates Inc.
Job ID: 670-34531-1
Project/Site: Coca Cola

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.
U	Indicates that the compound was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
N	Presumptive evidence of material.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
670-34531-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

GC/MS VOA
Method 8260D: Unless noted under *Tentatively Identified Compounds,* limonene (CAS No. 138-86-3) was not detected in the reported samples.

Receipt
The samples were received on 2/9/2024 4:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 670-75820 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-75820/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-75820 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 670-75820 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-9R (670-34531-2). Elevated reporting limits (RLs) are provided.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 670-75820 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-76003 recovered above the upper control limit for Acetone, Chloroethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-76003/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-76003 recovered outside acceptance criteria, low biased, for Acrolein. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 670-76003 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-22 — Lab Sample ID: 670-34531-1

No Detections.

Client Sample ID: MW-9R — Lab Sample ID: 670-34531-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene - DL	460		10	4.0	ug/L	5		8260D	Total/NA

Client Sample ID: MW-2R — Lab Sample ID: 670-34531-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	32		2.0	0.80	ug/L	1		8260D	Total/NA
Acetone	30	I	50	25	ug/L	1		8260D	Total/NA
Ethylbenzene	2.9		1.0	0.69	ug/L	1		8260D	Total/NA
Isopropylbenzene	48		2.0	0.67	ug/L	1		8260D	Total/NA
o-Xylene	0.57	I	1.0	0.53	ug/L	1		8260D	Total/NA
Toluene	1.3		1.0	0.72	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6R — Lab Sample ID: 670-34531-4

No Detections.

Client Sample ID: MW-1R — Lab Sample ID: 670-34531-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	15		2.0	0.67	ug/L	1		8260D	Total/NA
o-Xylene	0.54	I	1.0	0.53	ug/L	1		8260D	Total/NA

Client Sample ID: MW-7R — Lab Sample ID: 670-34531-6

No Detections.

Client Sample ID: MW-13R — Lab Sample ID: 670-34531-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	10		2.0	0.80	ug/L	1		8260D	Total/NA
Acetone	36	I	50	25	ug/L	1		8260D	Total/NA
Benzene	0.84	I	1.0	0.71	ug/L	1		8260D	Total/NA
Isopropylbenzene	26		2.0	0.67	ug/L	1		8260D	Total/NA
o-Xylene	0.97	I	1.0	0.53	ug/L	1		8260D	Total/NA

Client Sample ID: MW-12R — Lab Sample ID: 670-34531-8

No Detections.

Client Sample ID: MW-16 — Lab Sample ID: 670-34531-9

No Detections.

Client Sample ID: MW-5R — Lab Sample ID: 670-34531-10

No Detections.

Client Sample ID: MW-18 — Lab Sample ID: 670-34531-11

No Detections.

Client Sample ID: MW-17 — Lab Sample ID: 670-34531-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-22
Date Collected: 02/07/24 11:12
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 15:07	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 15:07	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 15:07	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 15:07	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 15:07	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 15:07	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 15:07	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 15:07	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 15:07	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 15:07	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 15:07	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 15:07	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 15:07	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 15:07	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 15:07	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 15:07	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 15:07	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 15:07	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 15:07	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 15:07	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 15:07	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 15:07	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 15:07	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 15:07	1
Acetone	25	U	50	25	ug/L			02/14/24 15:07	1
Acrolein	10	U	20	10	ug/L			02/14/24 15:07	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 15:07	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 15:07	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 15:07	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 15:07	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:07	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 15:07	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 15:07	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 15:07	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 15:07	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 15:07	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 15:07	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 15:07	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 15:07	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 15:07	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 15:07	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 15:07	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 15:07	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 15:07	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 15:07	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 15:07	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 15:07	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 15:07	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 15:07	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-22

Lab Sample ID: 670-34531-1

Date Collected: 02/07/24 11:12

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 15:07	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 15:07	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:07	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 15:07	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 15:07	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 15:07	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 15:07	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 15:07	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 15:07	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 15:07	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 15:07	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 15:07	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 15:07	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 15:07	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 15:07	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 15:07	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 15:07	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 15:07	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 15:07	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 15:07	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 15:07	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 15:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 15:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*40 - 146*		*02/14/24 15:07*	*1*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*		*02/14/24 15:07*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 146*		*02/14/24 15:07*	*1*

Client Sample ID: MW-9R

Lab Sample ID: 670-34531-2

Date Collected: 02/07/24 12:19

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	3.1	U	5.0	3.1	ug/L			02/14/24 11:34	5
1,1,1-Trichloroethane	4.0	U	5.0	4.0	ug/L			02/14/24 11:34	5
1,1,2,2-Tetrachloroethane	2.7	U	5.0	2.7	ug/L			02/14/24 11:34	5
1,1,2-Trichloroethane	3.8	U	10	3.8	ug/L			02/14/24 11:34	5
1,1-Dichloroethane	3.1	U	5.0	3.1	ug/L			02/14/24 11:34	5
1,1-Dichloroethene	4.7	U	5.0	4.7	ug/L			02/14/24 11:34	5
1,1-Dichloropropene	3.7	U	5.0	3.7	ug/L			02/14/24 11:34	5
1,2,3-Trichlorobenzene	4.3	U	10	4.3	ug/L			02/14/24 11:34	5
1,2,3-Trichloropropane	3.2	U	10	3.2	ug/L			02/14/24 11:34	5
1,2,4-Trichlorobenzene	3.5	U	10	3.5	ug/L			02/14/24 11:34	5
1,2,4-Trimethylbenzene	3.5	U	10	3.5	ug/L			02/14/24 11:34	5
1,2-Dibromo-3-Chloropropane	4.8	U	50	4.8	ug/L			02/14/24 11:34	5
1,2-Dibromoethane (EDB)	3.9	U	60	3.9	ug/L			02/14/24 11:34	5

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-9R
Date Collected: 02/07/24 12:19
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	3.2	U	5.0	3.2	ug/L			02/14/24 11:34	5
1,2-Dichloropropane	4.0	U	5.0	4.0	ug/L			02/14/24 11:34	5
1,3,5-Trimethylbenzene	2.9	U	10	2.9	ug/L			02/14/24 11:34	5
1,3-Dichloropropane	3.0	U	5.0	3.0	ug/L			02/14/24 11:34	5
2,2-Dichloropropane	3.3	U	25	3.3	ug/L			02/14/24 11:34	5
2-Butanone (MEK)	23	U	50	23	ug/L			02/14/24 11:34	5
2-Chloroethyl vinyl ether	13	U J3	25	13	ug/L			02/14/24 11:34	5
2-Chlorotoluene	3.4	U	5.0	3.4	ug/L			02/14/24 11:34	5
2-Hexanone	13	U	100	13	ug/L			02/14/24 11:34	5
4-Chlorotoluene	3.3	U	10	3.3	ug/L			02/14/24 11:34	5
4-Isopropyltoluene	**460**		10	4.0	ug/L			02/14/24 11:34	5
Acetone	130	U	250	130	ug/L			02/14/24 11:34	5
Acrolein	50	U	100	50	ug/L			02/14/24 11:34	5
Acrylonitrile	25	U	50	25	ug/L			02/14/24 11:34	5
Allyl chloride	3.3	U	50	3.3	ug/L			02/14/24 11:34	5
Benzene	3.6	U	5.0	3.6	ug/L			02/14/24 11:34	5
Benzyl chloride	10	U	50	10	ug/L			02/14/24 11:34	5
Bromobenzene	3.9	U	5.0	3.9	ug/L			02/14/24 11:34	5
Bromochloromethane	4.7	U	10	4.7	ug/L			02/14/24 11:34	5
Bromodichloromethane	2.6	U	5.0	2.6	ug/L			02/14/24 11:34	5
Bromoform	3.8	U	5.0	3.8	ug/L			02/14/24 11:34	5
Bromomethane	4.8	U	10	4.8	ug/L			02/14/24 11:34	5
Carbon disulfide	13	U	25	13	ug/L			02/14/24 11:34	5
Carbon tetrachloride	4.7	U	5.0	4.7	ug/L			02/14/24 11:34	5
Chlorobenzene	3.6	U	5.0	3.6	ug/L			02/14/24 11:34	5
Chloroethane	4.9	U	10	4.9	ug/L			02/14/24 11:34	5
Chloroform	4.0	U	25	4.0	ug/L			02/14/24 11:34	5
Chloromethane	4.1	U	10	4.1	ug/L			02/14/24 11:34	5
Chloroprene	3.3	U	50	3.3	ug/L			02/14/24 11:34	5
cis-1,2-Dichloroethene	2.7	U	5.0	2.7	ug/L			02/14/24 11:34	5
cis-1,3-Dichloropropene	3.0	U	5.0	3.0	ug/L			02/14/24 11:34	5
Dibromochloromethane	2.5	U	5.0	2.5	ug/L			02/14/24 11:34	5
Dibromomethane	4.2	U	5.0	4.2	ug/L			02/14/24 11:34	5
Dichlorodifluoromethane	3.7	U	5.0	3.7	ug/L			02/14/24 11:34	5
Ethylbenzene	3.5	U	5.0	3.5	ug/L			02/14/24 11:34	5
Hexachlorobutadiene	3.5	U	5.0	3.5	ug/L			02/14/24 11:34	5
Isopropylbenzene	3.4	U	10	3.4	ug/L			02/14/24 11:34	5
m,p-Xylenes	6.5	U	10	6.5	ug/L			02/14/24 11:34	5
m-Dichlorobenzene	3.9	U	5.0	3.9	ug/L			02/14/24 11:34	5
Methyl tert-butyl ether	3.0	U	10	3.0	ug/L			02/14/24 11:34	5
Methylene Chloride	25	U	50	25	ug/L			02/14/24 11:34	5
Naphthalene	4.1	U	10	4.1	ug/L			02/14/24 11:34	5
n-Butylbenzene	3.5	U	5.0	3.5	ug/L			02/14/24 11:34	5
N-Propylbenzene	2.5	U	5.0	2.5	ug/L			02/14/24 11:34	5
o-Dichlorobenzene	3.7	U	5.0	3.7	ug/L			02/14/24 11:34	5
o-Xylene	2.7	U	5.0	2.7	ug/L			02/14/24 11:34	5
para-Dichlorobenzene	3.8	U	5.0	3.8	ug/L			02/14/24 11:34	5
sec-Butylbenzene	3.7	U	10	3.7	ug/L			02/14/24 11:34	5
Styrene	3.1	U	5.0	3.1	ug/L			02/14/24 11:34	5

Client Sample ID: MW-9R

Date Collected: 02/07/24 12:19
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	3.2	U	10	3.2	ug/L			02/14/24 11:34	5
Tetrachloroethene	3.8	U	5.0	3.8	ug/L			02/14/24 11:34	5
Toluene	3.6	U	5.0	3.6	ug/L			02/14/24 11:34	5
trans-1,2-Dichloroethene	3.7	U	5.0	3.7	ug/L			02/14/24 11:34	5
trans-1,3-Dichloropropene	3.7	U	5.0	3.7	ug/L			02/14/24 11:34	5
Trichloroethene	4.5	U	5.0	4.5	ug/L			02/14/24 11:34	5
Trichlorofluoromethane	4.7	U	5.0	4.7	ug/L			02/14/24 11:34	5
Vinyl chloride	3.6	U	5.0	3.6	ug/L			02/14/24 11:34	5
Xylenes, Total	6.5	U	10	6.5	ug/L			02/14/24 11:34	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*		*ug/L*		*2.48*	*N/A*		*02/13/24 13:27*	*20*
Unknown	*430*		*ug/L*		*4.00*	*N/A*		*02/13/24 13:27*	*20*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 11:34*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*40 - 146*		*02/13/24 13:27*	*20*
Toluene-d8 (Surr)	*99*		*40 - 146*		*02/14/24 11:34*	*5*
4-Bromofluorobenzene (Surr)	*97*		*41 - 142*		*02/13/24 13:27*	*20*
4-Bromofluorobenzene (Surr)	*99*		*41 - 142*		*02/14/24 11:34*	*5*
Dibromofluoromethane (Surr)	*104*		*53 - 146*		*02/13/24 13:27*	*20*
Dibromofluoromethane (Surr)	*100*		*53 - 146*		*02/14/24 11:34*	*5*

Client Sample ID: MW-2R

Date Collected: 02/07/24 14:05
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 15:25	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 15:25	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 15:25	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 15:25	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 15:25	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 15:25	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 15:25	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 15:25	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 15:25	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 15:25	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 15:25	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 15:25	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 15:25	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 15:25	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 15:25	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 15:25	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 15:25	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 15:25	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 15:25	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 15:25	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 15:25	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-2R
Date Collected: 02/07/24 14:05
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 15:25	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 15:25	1
4-Isopropyltoluene	**32**		2.0	0.80	ug/L			02/14/24 15:25	1
Acetone	**30**	**I**	50	25	ug/L			02/14/24 15:25	1
Acrolein	10	U	20	10	ug/L			02/14/24 15:25	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 15:25	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 15:25	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 15:25	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 15:25	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:25	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 15:25	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 15:25	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 15:25	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 15:25	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 15:25	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 15:25	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 15:25	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 15:25	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 15:25	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 15:25	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 15:25	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 15:25	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 15:25	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 15:25	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 15:25	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 15:25	1
Ethylbenzene	**2.9**		1.0	0.69	ug/L			02/14/24 15:25	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 15:25	1
Isopropylbenzene	**48**		2.0	0.67	ug/L			02/14/24 15:25	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 15:25	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:25	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 15:25	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 15:25	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 15:25	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 15:25	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 15:25	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 15:25	1
o-Xylene	**0.57**	**I**	1.0	0.53	ug/L			02/14/24 15:25	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 15:25	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 15:25	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 15:25	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 15:25	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 15:25	1
Toluene	**1.3**		1.0	0.72	ug/L			02/14/24 15:25	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 15:25	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 15:25	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 15:25	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 15:25	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 15:25	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-2R

Lab Sample ID: 670-34531-3

Date Collected: 02/07/24 14:05

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 15:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*29*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 15:25*	*1*
Cyclopentane, methyl-	*51*	*N*	*ug/L*		*2.10*	*96-37-7*		*02/14/24 15:25*	*1*
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-	*14*	*N*	*ug/L*		*5.47*	*473-19-8*		*02/14/24 15:25*	*1*
7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methylethyl)-	*370*	*N*	*ug/L*		*5.80*	*470-67-7*		*02/14/24 15:25*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	*880*	*N*	*ug/L*		*6.63*	*1195-79-5*		*02/14/24 15:25*	*1*
Cyclohexene, 3-methyl-6-(1-methylethyl)-	*8.3*	*N*	*ug/L*		*6.75*	*5256-65-5*		*02/14/24 15:25*	*1*
Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	*10*	*N*	*ug/L*		*6.92*	*74764-47-9*		*02/14/24 15:25*	*1*
(+)-2-Bornanone	*300*	*N*	*ug/L*		*7.01*	*464-49-3*		*02/14/24 15:25*	*1*
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	*8.3*	*N*	*ug/L*		*7.08*	*7785-70-8*		*02/14/24 15:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*40 - 146*		*02/14/24 15:25*	*1*
4-Bromofluorobenzene (Surr)	*105*		*41 - 142*		*02/14/24 15:25*	*1*
Dibromofluoromethane (Surr)	*101*		*53 - 146*		*02/14/24 15:25*	*1*

Client Sample ID: MW-6R

Lab Sample ID: 670-34531-4

Date Collected: 02/07/24 15:25

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 15:43	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 15:43	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 15:43	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 15:43	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 15:43	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 15:43	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 15:43	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 15:43	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 15:43	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 15:43	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 15:43	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 15:43	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 15:43	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 15:43	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 15:43	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 15:43	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 15:43	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 15:43	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 15:43	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 15:43	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 15:43	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 15:43	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-6R
Date Collected: 02/07/24 15:25
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 15:43	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 15:43	1
Acetone	25	U	50	25	ug/L			02/14/24 15:43	1
Acrolein	10	U	20	10	ug/L			02/14/24 15:43	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 15:43	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 15:43	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 15:43	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 15:43	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:43	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 15:43	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 15:43	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 15:43	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 15:43	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 15:43	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 15:43	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 15:43	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 15:43	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 15:43	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 15:43	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 15:43	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 15:43	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 15:43	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 15:43	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 15:43	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 15:43	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 15:43	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 15:43	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 15:43	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 15:43	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 15:43	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 15:43	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 15:43	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 15:43	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 15:43	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 15:43	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 15:43	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 15:43	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 15:43	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 15:43	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 15:43	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 15:43	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 15:43	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 15:43	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 15:43	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 15:43	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 15:43	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 15:43	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 15:43	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 15:43	1

Client Sample ID: MW-6R

Lab Sample ID: 670-34531-4

Date Collected: 02/07/24 15:25

Matrix: Water

Date Received: 02/09/24 16:23

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Sulfur dioxide	17	N	ug/L		0.97	7446-09-5		02/14/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		40 - 146		02/14/24 15:43	1
4-Bromofluorobenzene (Surr)	103		41 - 142		02/14/24 15:43	1
Dibromofluoromethane (Surr)	99		53 - 146		02/14/24 15:43	1

Client Sample ID: MW-1R

Lab Sample ID: 670-34531-5

Date Collected: 02/08/24 10:49

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 16:01	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 16:01	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 16:01	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 16:01	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 16:01	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 16:01	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 16:01	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 16:01	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 16:01	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 16:01	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 16:01	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 16:01	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 16:01	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 16:01	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 16:01	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 16:01	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 16:01	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 16:01	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 16:01	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 16:01	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 16:01	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 16:01	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 16:01	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 16:01	1
Acetone	25	U	50	25	ug/L			02/14/24 16:01	1
Acrolein	10	U	20	10	ug/L			02/14/24 16:01	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 16:01	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 16:01	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 16:01	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 16:01	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:01	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 16:01	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 16:01	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 16:01	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 16:01	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 16:01	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 16:01	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 16:01	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-1R
Date Collected: 02/08/24 10:49
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 16:01	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 16:01	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 16:01	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 16:01	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 16:01	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 16:01	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 16:01	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 16:01	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 16:01	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 16:01	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 16:01	1
Isopropylbenzene	**15**		2.0	0.67	ug/L			02/14/24 16:01	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 16:01	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:01	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 16:01	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 16:01	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 16:01	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 16:01	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 16:01	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 16:01	1
o-Xylene	**0.54**	**I**	1.0	0.53	ug/L			02/14/24 16:01	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 16:01	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 16:01	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 16:01	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 16:01	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 16:01	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 16:01	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 16:01	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 16:01	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 16:01	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 16:01	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 16:01	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 16:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*23*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 16:01*	*1*
Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-	*11*	*N*	*ug/L*		*5.50*	*33978-70-0*		*02/14/24 16:01*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	*18*	*N*	*ug/L*		*6.63*	*1195-79-5*		*02/14/24 16:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 16:01*	*1*
4-Bromofluorobenzene (Surr)	*104*		*41 - 142*		*02/14/24 16:01*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 146*		*02/14/24 16:01*	*1*

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-7R
Date Collected: 02/08/24 12:15
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 16:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 16:19	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 16:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 16:19	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 16:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 16:19	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 16:19	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 16:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 16:19	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 16:19	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 16:19	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 16:19	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 16:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 16:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 16:19	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 16:19	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 16:19	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 16:19	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 16:19	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 16:19	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 16:19	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 16:19	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 16:19	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 16:19	1
Acetone	25	U	50	25	ug/L			02/14/24 16:19	1
Acrolein	10	U	20	10	ug/L			02/14/24 16:19	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 16:19	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 16:19	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 16:19	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 16:19	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:19	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 16:19	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 16:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 16:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 16:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 16:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 16:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 16:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 16:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 16:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 16:19	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 16:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 16:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 16:19	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 16:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 16:19	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 16:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 16:19	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 16:19	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-7R

Lab Sample ID: 670-34531-6

Date Collected: 02/08/24 12:15

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 16:19	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 16:19	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:19	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 16:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 16:19	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 16:19	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 16:19	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 16:19	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 16:19	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 16:19	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 16:19	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 16:19	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 16:19	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 16:19	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 16:19	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 16:19	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 16:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 16:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 16:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 16:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 16:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 16:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*13*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 16:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*40 - 146*		*02/14/24 16:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*41 - 142*		*02/14/24 16:19*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 146*		*02/14/24 16:19*	*1*

Client Sample ID: MW-13R

Lab Sample ID: 670-34531-7

Date Collected: 02/08/24 14:02

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 16:37	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 16:37	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 16:37	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 16:37	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 16:37	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 16:37	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 16:37	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 16:37	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 16:37	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 16:37	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 16:37	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 16:37	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 16:37	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-13R
Date Collected: 02/08/24 14:02
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 16:37	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 16:37	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 16:37	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 16:37	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 16:37	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 16:37	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 16:37	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 16:37	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 16:37	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 16:37	1
4-Isopropyltoluene	**10**		2.0	0.80	ug/L			02/14/24 16:37	1
Acetone	**36**	**I**	50	25	ug/L			02/14/24 16:37	1
Acrolein	10	U	20	10	ug/L			02/14/24 16:37	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 16:37	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 16:37	1
Benzene	**0.84**	**I**	1.0	0.71	ug/L			02/14/24 16:37	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 16:37	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:37	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 16:37	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 16:37	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 16:37	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 16:37	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 16:37	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 16:37	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 16:37	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 16:37	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 16:37	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 16:37	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 16:37	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 16:37	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 16:37	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 16:37	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 16:37	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 16:37	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 16:37	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 16:37	1
Isopropylbenzene	**26**		2.0	0.67	ug/L			02/14/24 16:37	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 16:37	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:37	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 16:37	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 16:37	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 16:37	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 16:37	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 16:37	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 16:37	1
o-Xylene	**0.97**	**I**	1.0	0.53	ug/L			02/14/24 16:37	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 16:37	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 16:37	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 16:37	1

Client Sample ID: MW-13R

Lab Sample ID: 670-34531-7

Date Collected: 02/08/24 14:02

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 16:37	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 16:37	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 16:37	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 16:37	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 16:37	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 16:37	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 16:37	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 16:37	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 16:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*15*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 16:37*	*1*
Octane, 2,6-dimethyl-	*21*	*N*	*ug/L*		*4.93*	*2051-30-1*		*02/14/24 16:37*	*1*
Cyclohexane, 1-methyl-4-(1-methylethyl)-, cis-	*180*	*N*	*ug/L*		*5.39*	*6069-98-3*		*02/14/24 16:37*	*1*
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-	*12*	*N*	*ug/L*		*5.47*	*473-19-8*		*02/14/24 16:37*	*1*
Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	*99*	*N*	*ug/L*		*5.50*	*1678-82-6*		*02/14/24 16:37*	*1*
7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methylethyl)-	*11*	*N*	*ug/L*		*5.79*	*470-67-7*		*02/14/24 16:37*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	*1100*	*N*	*ug/L*		*6.63*	*1195-79-5*		*02/14/24 16:37*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-	*93*	*N*	*ug/L*		*7.00*	*464-48-2*		*02/14/24 16:37*	*1*
Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)-	*25*	*N*	*ug/L*		*7.08*	*2867-05-2*		*02/14/24 16:37*	*1*
Naphthalene, decahydro-1,8a-dimethyl-7-(1-methylethyl)-, [1R	*11*	*N*	*ug/L*		*7.95*	*15404-63-4*		*02/14/24 16:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 16:37*	*1*
4-Bromofluorobenzene (Surr)	*104*		*41 - 142*		*02/14/24 16:37*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 146*		*02/14/24 16:37*	*1*

Client Sample ID: MW-12R

Lab Sample ID: 670-34531-8

Date Collected: 02/08/24 15:27

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 16:55	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 16:55	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 16:55	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 16:55	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 16:55	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 16:55	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 16:55	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 16:55	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 16:55	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 16:55	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 16:55	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-12R
Date Collected: 02/08/24 15:27
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 16:55	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 16:55	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 16:55	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 16:55	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 16:55	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 16:55	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 16:55	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 16:55	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 16:55	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 16:55	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 16:55	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 16:55	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 16:55	1
Acetone	25	U	50	25	ug/L			02/14/24 16:55	1
Acrolein	10	U	20	10	ug/L			02/14/24 16:55	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 16:55	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 16:55	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 16:55	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 16:55	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:55	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 16:55	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 16:55	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 16:55	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 16:55	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 16:55	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 16:55	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 16:55	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 16:55	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 16:55	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 16:55	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 16:55	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 16:55	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 16:55	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 16:55	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 16:55	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 16:55	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 16:55	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 16:55	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 16:55	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 16:55	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 16:55	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 16:55	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 16:55	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 16:55	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 16:55	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 16:55	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 16:55	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 16:55	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 16:55	1

Client Sample ID: MW-12R

Lab Sample ID: 670-34531-8

Date Collected: 02/08/24 15:27

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 16:55	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 16:55	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 16:55	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 16:55	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 16:55	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 16:55	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 16:55	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 16:55	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 16:55	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 16:55	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 16:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*7.0*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 16:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 16:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*		*02/14/24 16:55*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 146*		*02/14/24 16:55*	*1*

Client Sample ID: MW-16

Lab Sample ID: 670-34531-9

Date Collected: 02/09/24 10:41

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 17:12	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 17:12	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 17:12	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 17:12	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 17:12	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 17:12	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 17:12	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 17:12	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 17:12	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 17:12	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 17:12	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 17:12	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 17:12	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 17:12	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 17:12	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 17:12	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 17:12	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 17:12	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 17:12	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 17:12	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 17:12	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 17:12	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 17:12	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 17:12	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-16
Date Collected: 02/09/24 10:41
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	50	25	ug/L			02/14/24 17:12	1
Acrolein	10	U	20	10	ug/L			02/14/24 17:12	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 17:12	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 17:12	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 17:12	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 17:12	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:12	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 17:12	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 17:12	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 17:12	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 17:12	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 17:12	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 17:12	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 17:12	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 17:12	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 17:12	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 17:12	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 17:12	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 17:12	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 17:12	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 17:12	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 17:12	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 17:12	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 17:12	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 17:12	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 17:12	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 17:12	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:12	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 17:12	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 17:12	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 17:12	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 17:12	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 17:12	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 17:12	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 17:12	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 17:12	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 17:12	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 17:12	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 17:12	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 17:12	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 17:12	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 17:12	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 17:12	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 17:12	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 17:12	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 17:12	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 17:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 17:12*	*1*

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-16

Lab Sample ID: 670-34531-9

Date Collected: 02/09/24 10:41
Matrix: Water
Date Received: 02/09/24 16:23

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*40 - 146*		*02/14/24 17:12*	*1*
4-Bromofluorobenzene (Surr)	*101*		*41 - 142*		*02/14/24 17:12*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 146*		*02/14/24 17:12*	*1*

Client Sample ID: MW-5R

Lab Sample ID: 670-34531-10

Date Collected: 02/09/24 12:21
Matrix: Water
Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 17:30	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 17:30	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 17:30	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 17:30	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 17:30	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 17:30	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 17:30	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 17:30	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 17:30	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 17:30	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 17:30	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 17:30	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 17:30	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 17:30	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 17:30	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 17:30	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 17:30	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 17:30	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 17:30	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 17:30	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 17:30	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 17:30	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 17:30	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 17:30	1
Acetone	25	U	50	25	ug/L			02/14/24 17:30	1
Acrolein	10	U	20	10	ug/L			02/14/24 17:30	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 17:30	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 17:30	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 17:30	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 17:30	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:30	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 17:30	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 17:30	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 17:30	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 17:30	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 17:30	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 17:30	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 17:30	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 17:30	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 17:30	1

Client Sample ID: MW-5R

Lab Sample ID: 670-34531-10

Date Collected: 02/09/24 12:21

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 17:30	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 17:30	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 17:30	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 17:30	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 17:30	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 17:30	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 17:30	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 17:30	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 17:30	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 17:30	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 17:30	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:30	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 17:30	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 17:30	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 17:30	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 17:30	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 17:30	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 17:30	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 17:30	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 17:30	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 17:30	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 17:30	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 17:30	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 17:30	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 17:30	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 17:30	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 17:30	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 17:30	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 17:30	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 17:30	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 17:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Sulfur dioxide	*11*	*N*	*ug/L*		*0.97*	*7446-09-5*		*02/14/24 17:30*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	*29*	*N*	*ug/L*		*6.63*	*1195-79-5*		*02/14/24 17:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 17:30*	*1*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*		*02/14/24 17:30*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 146*		*02/14/24 17:30*	*1*

Client Sample ID: MW-18

Lab Sample ID: 670-34531-11

Date Collected: 02/09/24 14:01

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 17:48	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 17:48	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 17:48	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-18
Date Collected: 02/09/24 14:01
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 17:48	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 17:48	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 17:48	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 17:48	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 17:48	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 17:48	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 17:48	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 17:48	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 17:48	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 17:48	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 17:48	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 17:48	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 17:48	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 17:48	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 17:48	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 17:48	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 17:48	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 17:48	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 17:48	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 17:48	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 17:48	1
Acetone	25	U	50	25	ug/L			02/14/24 17:48	1
Acrolein	10	U	20	10	ug/L			02/14/24 17:48	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 17:48	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 17:48	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 17:48	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 17:48	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:48	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 17:48	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 17:48	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 17:48	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 17:48	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 17:48	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 17:48	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 17:48	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 17:48	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 17:48	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 17:48	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 17:48	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 17:48	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 17:48	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 17:48	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 17:48	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 17:48	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 17:48	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 17:48	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 17:48	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 17:48	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 17:48	1

Client Sample ID: MW-18

Lab Sample ID: 670-34531-11

Date Collected: 02/09/24 14:01

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 17:48	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 17:48	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 17:48	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 17:48	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 17:48	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 17:48	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 17:48	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 17:48	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 17:48	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 17:48	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 17:48	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 17:48	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 17:48	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 17:48	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 17:48	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 17:48	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 17:48	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 17:48	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 17:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 17:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 17:48*	*1*
4-Bromofluorobenzene (Surr)	*102*		*41 - 142*		*02/14/24 17:48*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 146*		*02/14/24 17:48*	*1*

Client Sample ID: MW-17

Lab Sample ID: 670-34531-12

Date Collected: 02/09/24 15:41

Matrix: Water

Date Received: 02/09/24 16:23

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 18:06	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 18:06	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 18:06	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 18:06	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 18:06	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 18:06	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 18:06	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 18:06	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 18:06	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 18:06	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 18:06	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 18:06	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 18:06	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 18:06	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 18:06	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 18:06	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-17
Date Collected: 02/09/24 15:41
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 18:06	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 18:06	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 18:06	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 18:06	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 18:06	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 18:06	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 18:06	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 18:06	1
Acetone	25	U	50	25	ug/L			02/14/24 18:06	1
Acrolein	10	U	20	10	ug/L			02/14/24 18:06	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 18:06	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 18:06	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 18:06	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 18:06	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 18:06	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 18:06	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 18:06	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 18:06	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 18:06	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 18:06	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 18:06	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 18:06	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 18:06	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 18:06	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 18:06	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 18:06	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 18:06	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 18:06	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 18:06	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 18:06	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 18:06	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 18:06	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 18:06	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 18:06	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 18:06	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 18:06	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 18:06	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 18:06	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 18:06	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 18:06	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 18:06	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 18:06	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 18:06	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 18:06	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 18:06	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 18:06	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 18:06	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 18:06	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 18:06	1

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-17
Date Collected: 02/09/24 15:41
Date Received: 02/09/24 16:23

Lab Sample ID: 670-34531-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 18:06	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 18:06	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 18:06	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 18:06	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 18:06	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 18:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 18:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*40 - 146*		*02/14/24 18:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*41 - 142*		*02/14/24 18:06*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 146*		*02/14/24 18:06*	*1*

Surrogate Summary

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(40-146)	(41-142)	(53-146)
670-34531-1	MW-22	97	101	99
670-34531-2 - DL	MW-9R	105	97	104
670-34531-2 - DL	MW-9R	99	99	100
670-34531-2 MS - DL	MW-9R	101	94	99
670-34531-2 MS	MW-9R	98	103	100
670-34531-2 MSD - DL	MW-9R	101	99	98
670-34531-2 MSD	MW-9R	98	103	98
670-34531-3	MW-2R	98	105	101
670-34531-4	MW-6R	96	103	99
670-34531-5	MW-1R	96	104	97
670-34531-6	MW-7R	97	100	98
670-34531-7	MW-13R	96	104	98
670-34531-8	MW-12R	96	101	98
670-34531-9	MW-16	97	101	98
670-34531-10	MW-5R	96	103	97
670-34531-11	MW-18	96	102	97
670-34531-12	MW-17	96	100	99
LCS 670-75820/4	Lab Control Sample	101	99	96
LCS 670-76003/4	Lab Control Sample	92	103	97
MB 670-75820/7	Method Blank	103	107	106
MB 670-76003/7	Method Blank	97	93	99

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 670-75820/7
Matrix: Water
Analysis Batch: 75820

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/13/24 12:39	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/13/24 12:39	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/13/24 12:39	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/13/24 12:39	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/13/24 12:39	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/13/24 12:39	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/13/24 12:39	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/13/24 12:39	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/13/24 12:39	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/13/24 12:39	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/13/24 12:39	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/13/24 12:39	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/13/24 12:39	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/13/24 12:39	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/13/24 12:39	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/13/24 12:39	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/13/24 12:39	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/13/24 12:39	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/13/24 12:39	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/13/24 12:39	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/13/24 12:39	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/13/24 12:39	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/13/24 12:39	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/13/24 12:39	1
Acetone	25	U	50	25	ug/L			02/13/24 12:39	1
Acrolein	10	U	20	10	ug/L			02/13/24 12:39	1
Acrylonitrile	5.0	U	10	5.0	ug/L			02/13/24 12:39	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/13/24 12:39	1
Benzene	0.71	U	1.0	0.71	ug/L			02/13/24 12:39	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/13/24 12:39	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/13/24 12:39	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/13/24 12:39	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/13/24 12:39	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/13/24 12:39	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/13/24 12:39	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/13/24 12:39	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/13/24 12:39	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/13/24 12:39	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/13/24 12:39	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/13/24 12:39	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/13/24 12:39	1
Chloroprene	0.66	U	10	0.66	ug/L			02/13/24 12:39	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/13/24 12:39	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/13/24 12:39	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/13/24 12:39	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/13/24 12:39	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/13/24 12:39	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/13/24 12:39	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-75820/7
Matrix: Water
Analysis Batch: 75820

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/13/24 12:39	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/13/24 12:39	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/13/24 12:39	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/13/24 12:39	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/13/24 12:39	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/13/24 12:39	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/13/24 12:39	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/13/24 12:39	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/13/24 12:39	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/13/24 12:39	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/13/24 12:39	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/13/24 12:39	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/13/24 12:39	1
Styrene	0.61	U	1.0	0.61	ug/L			02/13/24 12:39	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/13/24 12:39	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/13/24 12:39	1
Toluene	0.72	U	1.0	0.72	ug/L			02/13/24 12:39	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/13/24 12:39	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/13/24 12:39	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/13/24 12:39	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/13/24 12:39	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/13/24 12:39	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/13/24 12:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/13/24 12:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*40 - 146*		*02/13/24 12:39*	*1*
4-Bromofluorobenzene (Surr)	*107*		*41 - 142*		*02/13/24 12:39*	*1*
Dibromofluoromethane (Surr)	*106*		*53 - 146*		*02/13/24 12:39*	*1*

Lab Sample ID: LCS 670-75820/4
Matrix: Water
Analysis Batch: 75820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.7		ug/L		98	54 - 141
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	57 - 148
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	60 - 139
1,1,2-Trichloroethane	20.0	18.8		ug/L		94	57 - 141
1,1-Dichloroethane	20.0	20.0		ug/L		100	57 - 142
1,1-Dichloroethene	20.0	21.6		ug/L		108	47 - 139
1,1-Dichloropropene	20.0	19.5		ug/L		98	56 - 137
1,2,3-Trichlorobenzene	20.0	20.8		ug/L		104	43 - 168
1,2,3-Trichloropropane	20.0	19.5		ug/L		97	57 - 141
1,2,4-Trichlorobenzene	20.0	22.1		ug/L		111	52 - 159
1,2,4-Trimethylbenzene	20.0	18.3		ug/L		92	59 - 142

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-75820/4
Matrix: Water
Analysis Batch: 75820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	48 - 150
1,2-Dibromoethane (EDB)	20.0	18.8		ug/L		94	57 - 140
1,2-Dichloroethane	20.0	20.0		ug/L		100	50 - 156
1,2-Dichloropropane	20.0	20.5		ug/L		103	61 - 133
1,3,5-Trimethylbenzene	20.0	18.5		ug/L		93	61 - 137
1,3-Dichloropropane	20.0	19.5		ug/L		97	50 - 148
2,2-Dichloropropane	20.0	20.7		ug/L		104	54 - 146
2-Butanone (MEK)	200	151		ug/L		76	10 - 180
2-Chloroethyl vinyl ether	40.0	32.7		ug/L		82	10 - 180
2-Chlorotoluene	20.0	20.7		ug/L		103	64 - 133
2-Hexanone	200	145		ug/L		72	12 - 180
4-Chlorotoluene	20.0	19.8		ug/L		99	62 - 138
4-Isopropyltoluene	20.0	21.2		ug/L		106	67 - 153
Acetone	200	149		ug/L		75	10 - 180
Acrolein	100	116		ug/L		116	10 - 180
Acrylonitrile	200	187		ug/L		93	35 - 180
Allyl chloride	20.0	20.9		ug/L		105	61 - 140
Benzene	20.0	20.8		ug/L		104	56 - 136
Benzyl chloride	20.0	17.9		ug/L		89	50 - 150
Bromobenzene	20.0	20.8		ug/L		104	59 - 147
Bromochloromethane	20.0	22.8		ug/L		114	54 - 141
Bromodichloromethane	20.0	19.7		ug/L		99	58 - 135
Bromoform	20.0	18.3		ug/L		91	46 - 148
Bromomethane	20.0	33.4		ug/L		167	10 - 173
Carbon disulfide	20.0	22.2		ug/L		111	43 - 153
Carbon tetrachloride	20.0	19.5		ug/L		98	54 - 156
Chlorobenzene	20.0	20.5		ug/L		103	51 - 139
Chloroethane	20.0	25.9		ug/L		129	27 - 180
Chloroform	20.0	20.3		ug/L		101	58 - 139
Chloromethane	20.0	17.7		ug/L		89	33 - 154
Chloroprene	20.0	21.9		ug/L		110	48 - 150
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	56 - 128
cis-1,3-Dichloropropene	20.0	17.3		ug/L		87	64 - 128
Dibromochloromethane	20.0	19.3		ug/L		96	50 - 140
Dibromomethane	20.0	20.1		ug/L		101	59 - 143
Dichlorodifluoromethane	20.0	37.6		ug/L		188	10 - 180
Ethylbenzene	20.0	21.0		ug/L		105	63 - 133
Hexachlorobutadiene	20.0	17.9		ug/L		89	57 - 162
Isopropylbenzene	20.0	18.9		ug/L		94	60 - 132
m,p-Xylenes	20.0	20.4		ug/L		102	64 - 133
m-Dichlorobenzene	20.0	21.5		ug/L		107	66 - 129
Methyl tert-butyl ether	20.0	18.4		ug/L		92	51 - 145
Methylene Chloride	20.0	20.3		ug/L		102	43 - 142
Naphthalene	20.0	20.1		ug/L		100	40 - 172
n-Butylbenzene	20.0	20.1		ug/L		101	59 - 148
N-Propylbenzene	20.0	18.6		ug/L		93	63 - 135
o-Dichlorobenzene	20.0	20.4		ug/L		102	63 - 131
o-Xylene	20.0	19.5		ug/L		98	61 - 129
para-Dichlorobenzene	20.0	20.2		ug/L		101	65 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-75820/4
Matrix: Water
Analysis Batch: 75820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	20.0	17.5		ug/L		88	63 - 137
Styrene	20.0	21.1		ug/L		106	59 - 136
tert-Butylbenzene	20.0	17.5		ug/L		87	61 - 136
Tetrachloroethene	20.0	20.8		ug/L		104	60 - 147
Toluene	20.0	19.9		ug/L		100	64 - 131
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	54 - 134
trans-1,3-Dichloropropene	20.0	20.7		ug/L		103	65 - 149
Trichloroethene	20.0	20.4		ug/L		102	62 - 135
Trichlorofluoromethane	20.0	22.8		ug/L		114	56 - 155
Vinyl chloride	20.0	24.6		ug/L		123	20 - 167
Xylenes, Total	40.0	39.9		ug/L		100	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*40 - 146*
4-Bromofluorobenzene (Surr)	*99*		*41 - 142*
Dibromofluoromethane (Surr)	*96*		*53 - 146*

Lab Sample ID: MB 670-76003/7
Matrix: Water
Analysis Batch: 76003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			02/14/24 11:17	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			02/14/24 11:17	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			02/14/24 11:17	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			02/14/24 11:17	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			02/14/24 11:17	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			02/14/24 11:17	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			02/14/24 11:17	1
1,2,3-Trichlorobenzene	0.86	U	2.0	0.86	ug/L			02/14/24 11:17	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			02/14/24 11:17	1
1,2,4-Trichlorobenzene	0.70	U	2.0	0.70	ug/L			02/14/24 11:17	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			02/14/24 11:17	1
1,2-Dibromo-3-Chloropropane	0.96	U	10	0.96	ug/L			02/14/24 11:17	1
1,2-Dibromoethane (EDB)	0.78	U	12	0.78	ug/L			02/14/24 11:17	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			02/14/24 11:17	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			02/14/24 11:17	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			02/14/24 11:17	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			02/14/24 11:17	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			02/14/24 11:17	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			02/14/24 11:17	1
2-Chloroethyl vinyl ether	2.5	U	5.0	2.5	ug/L			02/14/24 11:17	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			02/14/24 11:17	1
2-Hexanone	2.5	U	20	2.5	ug/L			02/14/24 11:17	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			02/14/24 11:17	1
4-Isopropyltoluene	0.80	U	2.0	0.80	ug/L			02/14/24 11:17	1
Acetone	25	U	50	25	ug/L			02/14/24 11:17	1
Acrolein	10	U	20	10	ug/L			02/14/24 11:17	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-76003/7
Matrix: Water
Analysis Batch: 76003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	5.0	U	10	5.0	ug/L			02/14/24 11:17	1
Allyl chloride	0.66	U	10	0.66	ug/L			02/14/24 11:17	1
Benzene	0.71	U	1.0	0.71	ug/L			02/14/24 11:17	1
Benzyl chloride	2.0	U	10	2.0	ug/L			02/14/24 11:17	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 11:17	1
Bromochloromethane	0.94	U	2.0	0.94	ug/L			02/14/24 11:17	1
Bromodichloromethane	0.52	U	1.0	0.52	ug/L			02/14/24 11:17	1
Bromoform	0.75	U	1.0	0.75	ug/L			02/14/24 11:17	1
Bromomethane	0.95	U	2.0	0.95	ug/L			02/14/24 11:17	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			02/14/24 11:17	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			02/14/24 11:17	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			02/14/24 11:17	1
Chloroethane	0.98	U	2.0	0.98	ug/L			02/14/24 11:17	1
Chloroform	0.80	U	5.0	0.80	ug/L			02/14/24 11:17	1
Chloromethane	0.82	U	2.0	0.82	ug/L			02/14/24 11:17	1
Chloroprene	0.66	U	10	0.66	ug/L			02/14/24 11:17	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			02/14/24 11:17	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			02/14/24 11:17	1
Dibromochloromethane	0.50	U	1.0	0.50	ug/L			02/14/24 11:17	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			02/14/24 11:17	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			02/14/24 11:17	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			02/14/24 11:17	1
Hexachlorobutadiene	0.70	U	1.0	0.70	ug/L			02/14/24 11:17	1
Isopropylbenzene	0.67	U	2.0	0.67	ug/L			02/14/24 11:17	1
m,p-Xylenes	1.3	U	2.0	1.3	ug/L			02/14/24 11:17	1
m-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			02/14/24 11:17	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			02/14/24 11:17	1
Methylene Chloride	5.0	U	10	5.0	ug/L			02/14/24 11:17	1
Naphthalene	0.82	U	2.0	0.82	ug/L			02/14/24 11:17	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			02/14/24 11:17	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			02/14/24 11:17	1
o-Dichlorobenzene	0.73	U	1.0	0.73	ug/L			02/14/24 11:17	1
o-Xylene	0.53	U	1.0	0.53	ug/L			02/14/24 11:17	1
para-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			02/14/24 11:17	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			02/14/24 11:17	1
Styrene	0.61	U	1.0	0.61	ug/L			02/14/24 11:17	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			02/14/24 11:17	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			02/14/24 11:17	1
Toluene	0.72	U	1.0	0.72	ug/L			02/14/24 11:17	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			02/14/24 11:17	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			02/14/24 11:17	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			02/14/24 11:17	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			02/14/24 11:17	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			02/14/24 11:17	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			02/14/24 11:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/14/24 11:17*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-76003/7
Matrix: Water
Analysis Batch: 76003

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		40 - 146		02/14/24 11:17	1
4-Bromofluorobenzene (Surr)	93		41 - 142		02/14/24 11:17	1
Dibromofluoromethane (Surr)	99		53 - 146		02/14/24 11:17	1

Lab Sample ID: LCS 670-76003/4
Matrix: Water
Analysis Batch: 76003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.8		ug/L		104	54 - 141
1,1,1-Trichloroethane	20.0	20.4		ug/L		102	57 - 148
1,1,2,2-Tetrachloroethane	20.0	22.1		ug/L		110	60 - 139
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	57 - 141
1,1-Dichloroethane	20.0	19.5		ug/L		97	57 - 142
1,1-Dichloroethene	20.0	18.9		ug/L		94	47 - 139
1,1-Dichloropropene	20.0	20.8		ug/L		104	56 - 137
1,2,3-Trichlorobenzene	20.0	19.5		ug/L		98	43 - 168
1,2,3-Trichloropropane	20.0	22.4		ug/L		112	57 - 141
1,2,4-Trichlorobenzene	20.0	18.6		ug/L		93	52 - 159
1,2,4-Trimethylbenzene	20.0	17.9		ug/L		89	59 - 142
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	48 - 150
1,2-Dibromoethane (EDB)	20.0	19.9		ug/L		100	57 - 140
1,2-Dichloroethane	20.0	20.0		ug/L		100	50 - 156
1,2-Dichloropropane	20.0	20.4		ug/L		102	61 - 133
1,3,5-Trimethylbenzene	20.0	21.6		ug/L		108	61 - 137
1,3-Dichloropropane	20.0	17.8		ug/L		89	50 - 148
2,2-Dichloropropane	20.0	20.8		ug/L		104	54 - 146
2-Butanone (MEK)	200	207		ug/L		104	10 - 180
2-Chloroethyl vinyl ether	40.0	49.8		ug/L		125	10 - 180
2-Chlorotoluene	20.0	20.7		ug/L		103	64 - 133
2-Hexanone	200	185		ug/L		93	12 - 180
4-Chlorotoluene	20.0	21.1		ug/L		106	62 - 138
4-Isopropyltoluene	20.0	22.4		ug/L		112	67 - 153
Acetone	200	186		ug/L		93	10 - 180
Acrolein	100	83.1		ug/L		83	10 - 180
Acrylonitrile	200	222		ug/L		111	35 - 180
Allyl chloride	20.0	18.1		ug/L		91	61 - 140
Benzene	20.0	20.0		ug/L		100	56 - 136
Benzyl chloride	20.0	20.3		ug/L		101	50 - 150
Bromobenzene	20.0	21.2		ug/L		106	59 - 147
Bromochloromethane	20.0	21.6		ug/L		108	54 - 141
Bromodichloromethane	20.0	19.6		ug/L		98	58 - 135
Bromoform	20.0	19.7		ug/L		99	46 - 148
Bromomethane	20.0	16.1		ug/L		80	10 - 173
Carbon disulfide	20.0	17.3		ug/L		87	43 - 153
Carbon tetrachloride	20.0	21.5		ug/L		108	54 - 156
Chlorobenzene	20.0	21.1		ug/L		106	51 - 139
Chloroethane	20.0	21.1		ug/L		106	27 - 180

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-76003/4
Matrix: Water
Analysis Batch: 76003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	20.0	23.1		ug/L		115	58 - 139
Chloromethane	20.0	18.4		ug/L		92	33 - 154
Chloroprene	20.0	19.5		ug/L		98	48 - 150
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	56 - 128
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	64 - 128
Dibromochloromethane	20.0	19.2		ug/L		96	50 - 140
Dibromomethane	20.0	21.2		ug/L		106	59 - 143
Dichlorodifluoromethane	20.0	18.9		ug/L		94	10 - 180
Ethylbenzene	20.0	20.3		ug/L		102	63 - 133
Hexachlorobutadiene	20.0	17.2		ug/L		86	57 - 162
Isopropylbenzene	20.0	22.0		ug/L		110	60 - 132
m,p-Xylenes	20.0	17.2		ug/L		86	64 - 133
m-Dichlorobenzene	20.0	21.3		ug/L		106	66 - 129
Methyl tert-butyl ether	20.0	20.3		ug/L		102	51 - 145
Methylene Chloride	20.0	17.6		ug/L		88	43 - 142
Naphthalene	20.0	19.5		ug/L		97	40 - 172
n-Butylbenzene	20.0	20.1		ug/L		100	59 - 148
N-Propylbenzene	20.0	21.7		ug/L		109	63 - 135
o-Dichlorobenzene	20.0	19.9		ug/L		100	63 - 131
o-Xylene	20.0	20.3		ug/L		101	61 - 129
para-Dichlorobenzene	20.0	17.9		ug/L		90	65 - 133
sec-Butylbenzene	20.0	20.5		ug/L		103	63 - 137
Styrene	20.0	19.6		ug/L		98	59 - 136
tert-Butylbenzene	20.0	21.7		ug/L		109	61 - 136
Tetrachloroethene	20.0	21.3		ug/L		106	60 - 147
Toluene	20.0	18.1		ug/L		90	64 - 131
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	54 - 134
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	65 - 149
Trichloroethene	20.0	22.2		ug/L		111	62 - 135
Trichlorofluoromethane	20.0	19.0		ug/L		95	56 - 155
Vinyl chloride	20.0	19.5		ug/L		98	20 - 167
Xylenes, Total	40.0	37.5		ug/L		94	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*40 - 146*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*
Dibromofluoromethane (Surr)	*97*		*53 - 146*

Lab Sample ID: 670-34531-2 MS
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	3.1	U	100	121		ug/L		121	54 - 141
1,1,1-Trichloroethane	4.0	U	100	126		ug/L		126	57 - 148
1,1,2,2-Tetrachloroethane	2.7	U	100	127		ug/L		127	60 - 139
1,1,2-Trichloroethane	3.8	U	100	126		ug/L		126	57 - 141
1,1-Dichloroethane	3.1	U	100	129		ug/L		129	57 - 142

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-34531-2 MS
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	4.7	U	100	122		ug/L		122	49 - 139
1,1-Dichloropropene	3.7	U	100	132		ug/L		132	56 - 137
1,2,3-Trichlorobenzene	4.3	U	100	112		ug/L		112	43 - 168
1,2,3-Trichloropropane	3.2	U	100	129		ug/L		129	57 - 141
1,2,4-Trichlorobenzene	3.5	U	100	109		ug/L		109	52 - 159
1,2,4-Trimethylbenzene	3.5	U	100	109		ug/L		109	59 - 142
1,2-Dibromo-3-Chloropropane	4.8	U	100	121		ug/L		121	48 - 150
1,2-Dibromoethane (EDB)	3.9	U	100	118		ug/L		118	50 - 150
1,2-Dichloroethane	3.2	U	100	108		ug/L		108	50 - 156
1,2-Dichloropropane	4.0	U	100	124		ug/L		124	61 - 133
1,3,5-Trimethylbenzene	2.9	U	100	125		ug/L		125	61 - 137
1,3-Dichloropropane	3.0	U	100	113		ug/L		113	50 - 148
2,2-Dichloropropane	3.3	U	100	128		ug/L		128	54 - 146
2-Butanone (MEK)	23	U	1000	1310		ug/L		131	10 - 180
2-Chloroethyl vinyl ether	13	U J3	200	13	U J3	ug/L		0	50 - 150
2-Chlorotoluene	3.4	U	100	114		ug/L		114	64 - 133
2-Hexanone	13	U	1000	1190		ug/L		119	12 - 180
4-Chlorotoluene	3.3	U	100	123		ug/L		123	62 - 138
4-Isopropyltoluene	460		100	559	L	ug/L		99	67 - 153
Acetone	130	U	1000	1090		ug/L		109	10 - 180
Acrolein	50	U	500	556		ug/L		111	50 - 150
Acrylonitrile	25	U	1000	1430		ug/L		143	50 - 150
Allyl chloride	3.3	U	100	125		ug/L		125	50 - 150
Benzene	3.6	U	100	127		ug/L		127	56 - 136
Benzyl chloride	10	U	100	119		ug/L		119	50 - 150
Bromobenzene	3.9	U	100	116		ug/L		116	59 - 147
Bromochloromethane	4.7	U	100	121		ug/L		121	50 - 150
Bromodichloromethane	2.6	U	100	116		ug/L		116	58 - 135
Bromoform	3.8	U	100	117		ug/L		117	46 - 148
Bromomethane	4.8	U	100	76.4		ug/L		76	10 - 173
Carbon disulfide	13	U	100	122		ug/L		122	43 - 153
Carbon tetrachloride	4.7	U	100	132		ug/L		132	54 - 156
Chlorobenzene	3.6	U	100	125		ug/L		125	51 - 139
Chloroethane	4.9	U	100	101		ug/L		101	27 - 180
Chloroform	4.0	U	100	127		ug/L		127	59 - 139
Chloromethane	4.1	U	100	119		ug/L		119	33 - 154
Chloroprene	3.3	U	100	134		ug/L		134	50 - 150
cis-1,2-Dichloroethene	2.7	U	100	122		ug/L		122	56 - 128
cis-1,3-Dichloropropene	3.0	U	100	116		ug/L		116	64 - 128
Dibromochloromethane	2.5	U	100	114		ug/L		114	50 - 150
Dibromomethane	4.2	U	100	123		ug/L		123	59 - 143
Dichlorodifluoromethane	3.7	U	100	112		ug/L		112	10 - 180
Ethylbenzene	3.5	U	100	124		ug/L		124	63 - 133
Hexachlorobutadiene	3.5	U	100	103		ug/L		103	57 - 162
Isopropylbenzene	3.4	U	100	126		ug/L		126	60 - 132
m,p-Xylenes	6.5	U	100	109		ug/L		109	64 - 133
m-Dichlorobenzene	3.9	U	100	119		ug/L		119	66 - 129
Methyl tert-butyl ether	3.0	U	100	126		ug/L		126	50 - 150
Methylene Chloride	25	U	100	109		ug/L		109	43 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-34531-2 MS
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	4.1	U	100	115		ug/L		115	40 - 172
n-Butylbenzene	3.5	U	100	122		ug/L		122	59 - 148
N-Propylbenzene	2.5	U	100	127		ug/L		127	63 - 135
o-Dichlorobenzene	3.7	U	100	120		ug/L		120	63 - 131
o-Xylene	2.7	U	100	117		ug/L		117	61 - 129
para-Dichlorobenzene	3.8	U	100	104		ug/L		104	65 - 133
sec-Butylbenzene	3.7	U	100	128		ug/L		128	63 - 137
Styrene	3.1	U	100	117		ug/L		117	59 - 136
tert-Butylbenzene	3.2	U	100	128		ug/L		128	61 - 136
Tetrachloroethene	3.8	U	100	125		ug/L		125	60 - 147
Toluene	3.6	U	100	116		ug/L		116	64 - 131
trans-1,2-Dichloroethene	3.7	U	100	124		ug/L		124	54 - 134
trans-1,3-Dichloropropene	3.7	U	100	120		ug/L		120	65 - 149
Trichloroethene	4.5	U	100	129		ug/L		129	62 - 135
Trichlorofluoromethane	4.7	U	100	90.3		ug/L		90	56 - 155
Vinyl chloride	3.6	U	100	113		ug/L		113	20 - 167
Xylenes, Total	6.5	U	200	226		ug/L		113	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*40 - 146*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*
Dibromofluoromethane (Surr)	*100*		*53 - 146*

Lab Sample ID: 670-34531-2 MSD
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	3.1	U	100	117		ug/L		117	54 - 141	4	21
1,1,1-Trichloroethane	4.0	U	100	123		ug/L		123	57 - 148	3	25
1,1,2,2-Tetrachloroethane	2.7	U	100	126		ug/L		126	60 - 139	0	17
1,1,2-Trichloroethane	3.8	U	100	120		ug/L		120	57 - 141	4	16
1,1-Dichloroethane	3.1	U	100	123		ug/L		123	57 - 142	5	24
1,1-Dichloroethene	4.7	U	100	122		ug/L		122	49 - 139	0	16
1,1-Dichloropropene	3.7	U	100	128		ug/L		128	56 - 137	3	25
1,2,3-Trichlorobenzene	4.3	U	100	117		ug/L		117	43 - 168	5	26
1,2,3-Trichloropropane	3.2	U	100	125		ug/L		125	57 - 141	3	19
1,2,4-Trichlorobenzene	3.5	U	100	112		ug/L		112	52 - 159	2	24
1,2,4-Trimethylbenzene	3.5	U	100	109		ug/L		109	59 - 142	0	25
1,2-Dibromo-3-Chloropropane	4.8	U	100	128		ug/L		128	48 - 150	6	21
1,2-Dibromoethane (EDB)	3.9	U	100	119		ug/L		119	50 - 150	0	16
1,2-Dichloroethane	3.2	U	100	105		ug/L		105	50 - 156	4	18
1,2-Dichloropropane	4.0	U	100	117		ug/L		117	61 - 133	6	26
1,3,5-Trimethylbenzene	2.9	U	100	124		ug/L		124	61 - 137	1	24
1,3-Dichloropropane	3.0	U	100	111		ug/L		111	50 - 148	2	16
2,2-Dichloropropane	3.3	U	100	126		ug/L		126	54 - 146	2	19
2-Butanone (MEK)	23	U	1000	1310		ug/L		131	10 - 180	0	29
2-Chloroethyl vinyl ether	13	U J3	200	13	U J3	ug/L		0	50 - 150	NC	35

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-34531-2 MSD
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorotoluene	3.4	U	100	120		ug/L		120	64 - 133	4	22
2-Hexanone	13	U	1000	1180		ug/L		118	12 - 180	1	28
4-Chlorotoluene	3.3	U	100	125		ug/L		125	62 - 138	1	22
4-Isopropyltoluene	460		100	551	L	ug/L		91	67 - 153	1	25
Acetone	130	U	1000	1100		ug/L		110	10 - 180	0	19
Acrolein	50	U	500	577		ug/L		115	50 - 150	4	30
Acrylonitrile	25	U	1000	1390		ug/L		139	50 - 150	3	30
Allyl chloride	3.3	U	100	124		ug/L		124	50 - 150	1	30
Benzene	3.6	U	100	124		ug/L		124	56 - 136	2	14
Benzyl chloride	10	U	100	119		ug/L		119	50 - 150	1	30
Bromobenzene	3.9	U	100	118		ug/L		118	59 - 147	1	23
Bromochloromethane	4.7	U	100	120		ug/L		120	50 - 150	1	18
Bromodichloromethane	2.6	U	100	113		ug/L		113	58 - 135	3	19
Bromoform	3.8	U	100	115		ug/L		115	46 - 148	1	18
Bromomethane	4.8	U	100	79.9		ug/L		80	10 - 173	4	29
Carbon disulfide	13	U	100	124		ug/L		124	43 - 153	1	26
Carbon tetrachloride	4.7	U	100	129		ug/L		129	54 - 156	2	27
Chlorobenzene	3.6	U	100	122		ug/L		122	51 - 139	3	13
Chloroethane	4.9	U	100	98.1		ug/L		98	27 - 180	3	22
Chloroform	4.0	U	100	122		ug/L		122	59 - 139	3	17
Chloromethane	4.1	U	100	116		ug/L		116	33 - 154	3	31
Chloroprene	3.3	U	100	128		ug/L		128	50 - 150	4	30
cis-1,2-Dichloroethene	2.7	U	100	118		ug/L		118	56 - 128	4	17
cis-1,3-Dichloropropene	3.0	U	100	114		ug/L		114	64 - 128	1	20
Dibromochloromethane	2.5	U	100	114		ug/L		114	50 - 150	0	18
Dibromomethane	4.2	U	100	123		ug/L		123	59 - 143	0	20
Dichlorodifluoromethane	3.7	U	100	111		ug/L		111	10 - 180	1	26
Ethylbenzene	3.5	U	100	122		ug/L		122	63 - 133	1	18
Hexachlorobutadiene	3.5	U	100	106		ug/L		106	57 - 162	3	23
Isopropylbenzene	3.4	U	100	127		ug/L		127	60 - 132	1	23
m,p-Xylenes	6.5	U	100	107		ug/L		107	64 - 133	2	18
m-Dichlorobenzene	3.9	U	100	121		ug/L		121	66 - 129	1	23
Methyl tert-butyl ether	3.0	U	100	125		ug/L		125	50 - 150	2	22
Methylene Chloride	25	U	100	109		ug/L		109	43 - 142	1	23
Naphthalene	4.1	U	100	119		ug/L		119	40 - 172	3	35
n-Butylbenzene	3.5	U	100	122		ug/L		122	59 - 148	1	25
N-Propylbenzene	2.5	U	100	126		ug/L		126	63 - 135	1	21
o-Dichlorobenzene	3.7	U	100	120		ug/L		120	63 - 131	0	25
o-Xylene	2.7	U	100	115		ug/L		115	61 - 129	2	16
para-Dichlorobenzene	3.8	U	100	105		ug/L		105	65 - 133	1	23
sec-Butylbenzene	3.7	U	100	127		ug/L		127	63 - 137	1	23
Styrene	3.1	U	100	118		ug/L		118	59 - 136	1	32
tert-Butylbenzene	3.2	U	100	129		ug/L		129	61 - 136	1	25
Tetrachloroethene	3.8	U	100	121		ug/L		121	60 - 147	3	21
Toluene	3.6	U	100	112		ug/L		112	64 - 131	3	16
trans-1,2-Dichloroethene	3.7	U	100	120		ug/L		120	54 - 134	3	20
trans-1,3-Dichloropropene	3.7	U	100	117		ug/L		117	65 - 149	3	17
Trichloroethene	4.5	U	100	126		ug/L		126	62 - 135	3	20
Trichlorofluoromethane	4.7	U	100	89.5		ug/L		90	56 - 155	1	22

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 670-34531-2 MSD
Matrix: Water
Analysis Batch: 76003

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	3.6	U	100	110		ug/L		110	20 - 167	3	24
Xylenes, Total	6.5	U	200	222		ug/L		111	50 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*40 - 146*
4-Bromofluorobenzene (Surr)	*103*		*41 - 142*
Dibromofluoromethane (Surr)	*98*		*53 - 146*

Method: 8260D - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 670-34531-2 MS
Matrix: Water
Analysis Batch: 75820

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane - DL	12	U	400	417		ug/L		104	54 - 141
1,1,1-Trichloroethane - DL	16	U	400	454		ug/L		113	57 - 148
1,1,2,2-Tetrachloroethane - DL	11	U	400	391		ug/L		98	60 - 139
1,1,2-Trichloroethane - DL	15	U	400	409		ug/L		102	57 - 141
1,1-Dichloroethane - DL	12	U	400	435		ug/L		109	57 - 142
1,1-Dichloroethene - DL	19	U	400	491		ug/L		123	49 - 139
1,1-Dichloropropene - DL	15	U	400	439		ug/L		110	56 - 137
1,2,3-Trichlorobenzene - DL	17	U	400	428		ug/L		107	43 - 168
1,2,3-Trichloropropane - DL	13	U	400	400		ug/L		100	57 - 141
1,2,4-Trichlorobenzene - DL	14	U	400	460		ug/L		115	52 - 159
1,2,4-Trimethylbenzene - DL	14	U	400	386		ug/L		96	59 - 142
1,2-Dibromo-3-Chloropropane - DL	19	U	400	319		ug/L		80	48 - 150
1,2-Dibromoethane (EDB) - DL	16	U	400	403		ug/L		101	50 - 150
1,2-Dichloroethane - DL	13	U	400	426		ug/L		107	50 - 156
1,2-Dichloropropane - DL	16	U	400	437		ug/L		109	61 - 133
1,3,5-Trimethylbenzene - DL	12	U	400	393		ug/L		98	61 - 137
1,3-Dichloropropane - DL	12	U	400	418		ug/L		104	50 - 148
2,2-Dichloropropane - DL	13	U	400	448		ug/L		112	54 - 146
2-Butanone (MEK) - DL	90	U	4000	3230		ug/L		81	10 - 180
2-Chloroethyl vinyl ether - DL	50	U J3	800	449		ug/L		56	50 - 150
2-Chlorotoluene - DL	14	U	400	424		ug/L		106	64 - 133
2-Hexanone - DL	50	U	4000	3090		ug/L		77	12 - 180
4-Chlorotoluene - DL	13	U	400	412		ug/L		103	62 - 138
4-Isopropyltoluene - DL	390		400	865		ug/L		119	67 - 153
Acetone - DL	500	U	4000	2940		ug/L		73	10 - 180
Acrolein - DL	200	U	2000	2480		ug/L		124	50 - 150
Acrylonitrile - DL	100	U	4000	3980		ug/L		100	50 - 150
Allyl chloride - DL	13	U	400	467		ug/L		117	50 - 150
Benzene - DL	14	U	400	461		ug/L		115	56 - 136
Benzyl chloride - DL	40	U	400	332		ug/L		83	50 - 150
Bromobenzene - DL	15	U	400	425		ug/L		106	59 - 147
Bromochloromethane - DL	19	U	400	478		ug/L		119	50 - 150
Bromodichloromethane - DL	10	U	400	428		ug/L		107	58 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 670-34531-2 MS
Matrix: Water
Analysis Batch: 75820

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform - DL	15	U	400	382		ug/L		95	46 - 148
Bromomethane - DL	19	U J3	400	746	J3	ug/L		186	10 - 173
Carbon disulfide - DL	50	U	400	500		ug/L		125	43 - 153
Carbon tetrachloride - DL	19	U	400	444		ug/L		111	54 - 156
Chlorobenzene - DL	14	U	400	443		ug/L		111	51 - 139
Chloroethane - DL	20	U	400	544		ug/L		136	27 - 180
Chloroform - DL	16	U	400	448		ug/L		112	59 - 139
Chloromethane - DL	16	U	400	363		ug/L		91	33 - 154
Chloroprene - DL	13	U	400	476		ug/L		119	50 - 150
cis-1,2-Dichloroethene - DL	11	U	400	425		ug/L		106	56 - 128
cis-1,3-Dichloropropene - DL	12	U	400	357		ug/L		89	64 - 128
Dibromochloromethane - DL	10	U	400	410		ug/L		102	50 - 150
Dibromomethane - DL	17	U	400	416		ug/L		104	59 - 143
Dichlorodifluoromethane - DL	15	U J3	400	870	J3	ug/L		218	10 - 180
Ethylbenzene - DL	14	U	400	464		ug/L		116	63 - 133
Hexachlorobutadiene - DL	14	U	400	389		ug/L		97	57 - 162
Isopropylbenzene - DL	13	U	400	399		ug/L		100	60 - 132
m,p-Xylenes - DL	26	U	400	433		ug/L		108	64 - 133
m-Dichlorobenzene - DL	15	U	400	449		ug/L		112	66 - 129
Methyl tert-butyl ether - DL	12	U	400	385		ug/L		96	50 - 150
Methylene Chloride - DL	100	U	400	435		ug/L		109	43 - 142
Naphthalene - DL	16	U	400	404		ug/L		101	40 - 172
n-Butylbenzene - DL	14	U	400	429		ug/L		107	59 - 148
N-Propylbenzene - DL	10	U	400	399		ug/L		100	63 - 135
o-Dichlorobenzene - DL	15	U	400	419		ug/L		105	63 - 131
o-Xylene - DL	11	U	400	409		ug/L		102	61 - 129
para-Dichlorobenzene - DL	15	U	400	416		ug/L		104	65 - 133
sec-Butylbenzene - DL	15	U	400	375		ug/L		94	63 - 137
Styrene - DL	12	U	400	449		ug/L		112	59 - 136
tert-Butylbenzene - DL	13	U	400	380		ug/L		95	61 - 136
Tetrachloroethene - DL	15	U	400	462		ug/L		116	60 - 147
Toluene - DL	14	U	400	432		ug/L		108	64 - 131
trans-1,2-Dichloroethene - DL	15	U	400	419		ug/L		105	54 - 134
trans-1,3-Dichloropropene - DL	15	U	400	435		ug/L		109	65 - 149
Trichloroethene - DL	18	U	400	453		ug/L		113	62 - 135
Trichlorofluoromethane - DL	19	U	400	538		ug/L		134	56 - 155
Vinyl chloride - DL	14	U	400	571		ug/L		143	20 - 167
Xylenes, Total - DL	26	U	800	842		ug/L		105	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*101*		*40 - 146*
4-Bromofluorobenzene (Surr) - DL	*94*		*41 - 142*
Dibromofluoromethane (Surr) - DL	*99*		*53 - 146*

Method: 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 670-34531-2 MSD
Matrix: Water
Analysis Batch: 75820

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane - DL	12	U	400	407		ug/L		102	54 - 141	2	21
1,1,1-Trichloroethane - DL	16	U	400	445		ug/L		111	57 - 148	2	25
1,1,2,2-Tetrachloroethane - DL	11	U	400	391		ug/L		98	60 - 139	0	17
1,1,2-Trichloroethane - DL	15	U	400	400		ug/L		100	57 - 141	2	16
1,1-Dichloroethane - DL	12	U	400	427		ug/L		107	57 - 142	2	24
1,1-Dichloroethene - DL	19	U	400	468		ug/L		117	49 - 139	5	16
1,1-Dichloropropene - DL	15	U	400	431		ug/L		108	56 - 137	2	25
1,2,3-Trichlorobenzene - DL	17	U	400	450		ug/L		112	43 - 168	5	26
1,2,3-Trichloropropane - DL	13	U	400	407		ug/L		102	57 - 141	2	19
1,2,4-Trichlorobenzene - DL	14	U	400	472		ug/L		118	52 - 159	2	24
1,2,4-Trimethylbenzene - DL	14	U	400	398		ug/L		100	59 - 142	3	25
1,2-Dibromo-3-Chloropropane - DL	19	U	400	328		ug/L		82	48 - 150	3	21
1,2-Dibromoethane (EDB) - DL	16	U	400	393		ug/L		98	50 - 150	3	16
1,2-Dichloroethane - DL	13	U	400	419		ug/L		105	50 - 156	2	18
1,2-Dichloropropane - DL	16	U	400	419		ug/L		105	61 - 133	4	26
1,3,5-Trimethylbenzene - DL	12	U	400	403		ug/L		101	61 - 137	2	24
1,3-Dichloropropane - DL	12	U	400	404		ug/L		101	50 - 148	3	16
2,2-Dichloropropane - DL	13	U	400	444		ug/L		111	54 - 146	1	19
2-Butanone (MEK) - DL	90	U	4000	3200		ug/L		80	10 - 180	1	29
2-Chloroethyl vinyl ether - DL	50	U J3	800	392	J3	ug/L		49	50 - 150	13	35
2-Chlorotoluene - DL	14	U	400	441		ug/L		110	64 - 133	4	22
2-Hexanone - DL	50	U	4000	3070		ug/L		77	12 - 180	1	28
4-Chlorotoluene - DL	13	U	400	428		ug/L		107	62 - 138	4	22
4-Isopropyltoluene - DL	390		400	882		ug/L		124	67 - 153	2	25
Acetone - DL	500	U	4000	2870		ug/L		72	10 - 180	2	19
Acrolein - DL	200	U	2000	2500		ug/L		125	50 - 150	1	30
Acrylonitrile - DL	100	U	4000	3810		ug/L		95	50 - 150	4	30
Allyl chloride - DL	13	U	400	451		ug/L		113	50 - 150	3	30
Benzene - DL	14	U	400	437		ug/L		109	56 - 136	5	14
Benzyl chloride - DL	40	U	400	354		ug/L		89	50 - 150	6	30
Bromobenzene - DL	15	U	400	432		ug/L		108	59 - 147	2	23
Bromochloromethane - DL	19	U	400	461		ug/L		115	50 - 150	3	18
Bromodichloromethane - DL	10	U	400	406		ug/L		102	58 - 135	5	19
Bromoform - DL	15	U	400	387		ug/L		97	46 - 148	2	18
Bromomethane - DL	19	U J3	400	729	J3	ug/L		182	10 - 173	2	29
Carbon disulfide - DL	50	U	400	482		ug/L		121	43 - 153	4	26
Carbon tetrachloride - DL	19	U	400	416		ug/L		104	54 - 156	7	27
Chlorobenzene - DL	14	U	400	428		ug/L		107	51 - 139	3	13
Chloroethane - DL	20	U	400	536		ug/L		134	27 - 180	1	22
Chloroform - DL	16	U	400	431		ug/L		108	59 - 139	4	17
Chloromethane - DL	16	U	400	363		ug/L		91	33 - 154	0	31
Chloroprene - DL	13	U	400	470		ug/L		117	50 - 150	1	30
cis-1,2-Dichloroethene - DL	11	U	400	422		ug/L		106	56 - 128	1	17
cis-1,3-Dichloropropene - DL	12	U	400	354		ug/L		88	64 - 128	1	20
Dibromochloromethane - DL	10	U	400	403		ug/L		101	50 - 150	2	18
Dibromomethane - DL	17	U	400	412		ug/L		103	59 - 143	1	20
Dichlorodifluoromethane - DL	15	U J3	400	851	J3	ug/L		213	10 - 180	2	26
Ethylbenzene - DL	14	U	400	454		ug/L		114	63 - 133	2	18

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Method: 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 670-34531-2 MSD
Matrix: Water
Analysis Batch: 75820

Client Sample ID: MW-9R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorobutadiene - DL	14	U	400	425		ug/L		106	57 - 162	9	23
Isopropylbenzene - DL	13	U	400	409		ug/L		102	60 - 132	2	23
m,p-Xylenes - DL	26	U	400	428		ug/L		107	64 - 133	1	18
m-Dichlorobenzene - DL	15	U	400	459		ug/L		115	66 - 129	2	23
Methyl tert-butyl ether - DL	12	U	400	383		ug/L		96	50 - 150	0	22
Methylene Chloride - DL	100	U	400	420		ug/L		105	43 - 142	3	23
Naphthalene - DL	16	U	400	438		ug/L		109	40 - 172	8	35
n-Butylbenzene - DL	14	U	400	466		ug/L		117	59 - 148	8	25
N-Propylbenzene - DL	10	U	400	412		ug/L		103	63 - 135	3	21
o-Dichlorobenzene - DL	15	U	400	431		ug/L		108	63 - 131	3	25
o-Xylene - DL	11	U	400	409		ug/L		102	61 - 129	0	16
para-Dichlorobenzene - DL	15	U	400	433		ug/L		108	65 - 133	4	23
sec-Butylbenzene - DL	15	U	400	396		ug/L		99	63 - 137	5	23
Styrene - DL	12	U	400	444		ug/L		111	59 - 136	1	32
tert-Butylbenzene - DL	13	U	400	393		ug/L		98	61 - 136	3	25
Tetrachloroethene - DL	15	U	400	450		ug/L		113	60 - 147	3	21
Toluene - DL	14	U	400	424		ug/L		106	64 - 131	2	16
trans-1,2-Dichloroethene - DL	15	U	400	390		ug/L		98	54 - 134	7	20
trans-1,3-Dichloropropene - DL	15	U	400	428		ug/L		107	65 - 149	2	17
Trichloroethene - DL	18	U	400	443		ug/L		111	62 - 135	2	20
Trichlorofluoromethane - DL	19	U	400	500		ug/L		125	56 - 155	7	22
Vinyl chloride - DL	14	U	400	564		ug/L		141	20 - 167	1	24
Xylenes, Total - DL	26	U	800	837		ug/L		105	50 - 150	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr) - DL	*101*		*40 - 146*
4-Bromofluorobenzene (Surr) - DL	*99*		*41 - 142*
Dibromofluoromethane (Surr) - DL	*98*		*53 - 146*

QC Association Summary

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

GC/MS VOA

Analysis Batch: 75820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-34531-2 - DL	MW-9R	Total/NA	Water	8260D	
MB 670-75820/7	Method Blank	Total/NA	Water	8260D	
LCS 670-75820/4	Lab Control Sample	Total/NA	Water	8260D	
670-34531-2 MS - DL	MW-9R	Total/NA	Water	8260D	
670-34531-2 MSD - DL	MW-9R	Total/NA	Water	8260D	

Analysis Batch: 76003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-34531-1	MW-22	Total/NA	Water	8260D	
670-34531-2 - DL	MW-9R	Total/NA	Water	8260D	
670-34531-3	MW-2R	Total/NA	Water	8260D	
670-34531-4	MW-6R	Total/NA	Water	8260D	
670-34531-5	MW-1R	Total/NA	Water	8260D	
670-34531-6	MW-7R	Total/NA	Water	8260D	
670-34531-7	MW-13R	Total/NA	Water	8260D	
670-34531-8	MW-12R	Total/NA	Water	8260D	
670-34531-9	MW-16	Total/NA	Water	8260D	
670-34531-10	MW-5R	Total/NA	Water	8260D	
670-34531-11	MW-18	Total/NA	Water	8260D	
670-34531-12	MW-17	Total/NA	Water	8260D	
MB 670-76003/7	Method Blank	Total/NA	Water	8260D	
LCS 670-76003/4	Lab Control Sample	Total/NA	Water	8260D	
670-34531-2 MS	MW-9R	Total/NA	Water	8260D	
670-34531-2 MSD	MW-9R	Total/NA	Water	8260D	

Lab Chronicle

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-22
Lab Sample ID: 670-34531-1
Date Collected: 02/07/24 11:12
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 15:07

Client Sample ID: MW-9R
Lab Sample ID: 670-34531-2
Date Collected: 02/07/24 12:19
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	5	76003	KG	EET ORL	02/14/24 11:34
Total/NA	Analysis	8260D	DL	20	75820	JFL	EET ORL	02/13/24 13:27

Client Sample ID: MW-2R
Lab Sample ID: 670-34531-3
Date Collected: 02/07/24 14:05
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 15:25

Client Sample ID: MW-6R
Lab Sample ID: 670-34531-4
Date Collected: 02/07/24 15:25
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 15:43

Client Sample ID: MW-1R
Lab Sample ID: 670-34531-5
Date Collected: 02/08/24 10:49
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 16:01

Client Sample ID: MW-7R
Lab Sample ID: 670-34531-6
Date Collected: 02/08/24 12:15
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 16:19

Client Sample ID: MW-13R
Lab Sample ID: 670-34531-7
Date Collected: 02/08/24 14:02
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 16:37

Lab Chronicle

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Client Sample ID: MW-12R
Lab Sample ID: 670-34531-8
Date Collected: 02/08/24 15:27
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 16:55

Client Sample ID: MW-16
Lab Sample ID: 670-34531-9
Date Collected: 02/09/24 10:41
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 17:12

Client Sample ID: MW-5R
Lab Sample ID: 670-34531-10
Date Collected: 02/09/24 12:21
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 17:30

Client Sample ID: MW-18
Lab Sample ID: 670-34531-11
Date Collected: 02/09/24 14:01
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 17:48

Client Sample ID: MW-17
Lab Sample ID: 670-34531-12
Date Collected: 02/09/24 15:41
Matrix: Water
Date Received: 02/09/24 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	76003	KG	EET ORL	02/14/24 18:06

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Ardaman & Associates Inc.
Job ID: 670-34531-1
Project/Site: Coca Cola

Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Allyl chloride
8260D		Water	Benzyl chloride
8260D		Water	Chloroprene

Method Summary

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Sample Summary

Client: Ardaman & Associates Inc.
Project/Site: Coca Cola

Job ID: 670-34531-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-34531-1	MW-22	Water	02/07/24 11:12	02/09/24 16:23
670-34531-2	MW-9R	Water	02/07/24 12:19	02/09/24 16:23
670-34531-3	MW-2R	Water	02/07/24 14:05	02/09/24 16:23
670-34531-4	MW-6R	Water	02/07/24 15:25	02/09/24 16:23
670-34531-5	MW-1R	Water	02/08/24 10:49	02/09/24 16:23
670-34531-6	MW-7R	Water	02/08/24 12:15	02/09/24 16:23
670-34531-7	MW-13R	Water	02/08/24 14:02	02/09/24 16:23
670-34531-8	MW-12R	Water	02/08/24 15:27	02/09/24 16:23
670-34531-9	MW-16	Water	02/09/24 10:41	02/09/24 16:23
670-34531-10	MW-5R	Water	02/09/24 12:21	02/09/24 16:23
670-34531-11	MW-18	Water	02/09/24 14:01	02/09/24 16:23
670-34531-12	MW-17	Water	02/09/24 15:41	02/09/24 16:23

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins

Client Information	Sampler: Michael Denton	Lab PM: Dylnicki, Kaitlin	Carrier Tracking No(s):	COC No: 670-15785-2514.1
Client Contact: Katie Minter	Phone:	E-Mail: kaitlin.dylnicki@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Ardaman & Associates Inc.	PWSID:	Analysis Requested		Job #:
Address: 8008 South Orange Avenue PO BOX 593003	Due Date Requested:			
City: Orlando	TAT Requested (days): Standard			
State, Zip: FL, 32809	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: kminter@ardaman.com	WO #: 10-6687A			
Project Name: Coca Cola	Project #: 67002233			
Site: Apopka, FL	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - 8260 Full List + TICS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-22	2/7/24	11:12	G	W	N		✓		
MW-9R	2/7/24	12:19	G	W	N		✓		
MW-2R	2/7/24	14:05	G	W	N		✓		
MW-6R	2/7/24	15:25	G	W	N		✓		
MW-1R	2/8/24	10:49	G	W	N		✓		
MW-7R	2/8/24	12:15	G	W	N		✓		
MW-13R	2/8/24	14:02	G	W	N		✓		
MW-12R	2/8/24	15:27	G	W	N		✓		
MW-16	2/9/24	10:41	G	W	N		✓		
MW-5R	2/9/24	12:21	G	W	N		✓		
MW-18	2/9/24	14:01	G	W	N		✓		

670-34531 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
M. Denton	2/9/24 16:23	Ardaman			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/9/24 1623	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.3/2.3 SR6

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins

Client Information	Sampler: Michael Denton	Lab PM: Dylnicki, Kaitlin	Carrier Tracking No(s):	COC No: 670-15785-2514.2
Client Contact: Katie Minter	Phone:	E-Mail: kaitlin.dylnicki@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Ardaman & Associates Inc.	PWSID:			Job #:
Address: 8008 South Orange Avenue PO BOX 593003	Due Date Requested:			
City: Orlando	TAT Requested (days): Standard			
State, Zip: FL, 32809	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: kminter@ardaman.com	WO #: 10-6687A			
Project Name: Coca Cola	Project #: 67002233			
Site: Apopka, FL	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - 8260 Full List + TICS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-17	2/9/24	15:41	G	W	N		V		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
M. Denton	2/9/24 16:23	Ardaman			
			Received by: [signature]	Date/Time: 2/9/24 1623	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.5/2.3 596

Login Sample Receipt Checklist

Client: Ardaman & Associates Inc.

Job Number: 670-34531-1

Login Number: 34531

List Source: Eurofins Orlando

List Number: 1

Creator: Bittle, David W

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca-Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	MW-22	SAMPLE ID:	MW-22	DATE: 2/7/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.26	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (20.0 feet − 11.26 feet) X 0.16 gallons/foot = 1.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
12.5'	12.5'	10:35	11:11	4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:47	1.4	1.4	0.12	11.54	6.68	22.4	212	0.67/7.6%	5.43	Clear	None
10:59	1.4	2.8	0.12	11.55	6.74	22.4	212	0.56/6.5%	9.34	Clear	None
11:11	1.4	4.2	0.12	11.55	6.74	22.5	212	0.53/6.1%	8.53	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Ardaman	Michael Denton	11:12	11:14

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
12.5' ~~19.5~~	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + ICE			8260 (Full List)	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca Cola	SITE LOCATION: Apopka, FL		
WELL NO: MW-9R	SAMPLE ID: MW-9R	DATE: 2/7/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 9.7 feet to 19.7 feet	STATIC DEPTH TO WATER (feet): 11.71	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 11.71 feet) X 0.16 gallons/foot = 1.33 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	PURGING INITIATED AT: 11:42	PURGING ENDED AT: 12:18	TOTAL VOLUME PURGED (gallons): 4.2	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:54	1.4	1.4	0.12	12.28'	6.15	23.1	383	0.39/4.6%	2.38	Clear	Slight
12:06	1.4	2.8	0.12	12.36'	6.23	23.2	391	0.34/3.9%	3.00	Clear	Slight
12:18	1.4	4.2	0.12	12.39	6.22	23.1	397	0.33/3.8%	1.56	Clear	Slight

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denton / Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:19	SAMPLING ENDED AT: 12:21
PUMP OR TUBING DEPTH IN WELL (feet): 13'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + ECE			8260D (Full list)	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

62-160.800 F.A.C.

Revision Date: March 1, 2014

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca-Cola	SITE LOCATION: Apopka, FL		
WELL NO: MW-2R	SAMPLE ID: MW-2R	DATE: 2/7/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 10.1 feet to 20.1 feet	STATIC DEPTH TO WATER (feet): 11.78	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20.4 feet − 11.78 feet) X 0.16 gallons/foot = 1.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.5	PURGING INITIATED AT: 13:25	PURGING ENDED AT: 14:04	TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:37	1.4	1.4	0.12	13.50	6.03	24.4	425	0.45/5.4%	2.72	Clear	SL/Mod
13:49	1.4	2.8	0.12	14.15	6.14	24.4	424	0.26/3.2%	7.59	Clear	III
14:04	1.4	4.2		14.16	6.14	24.6	406	0.24/2.8%	13.4	Clear	III

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denton / Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:05	SAMPLING ENDED AT: 14:07
PUMP OR TUBING DEPTH IN WELL (feet): 15.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + ICE			8260D (Full list)	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca Cola	SITE LOCATION: Apopka, FL		
WELL NO: MW-6R	SAMPLE ID: MW-6R	DATE: 2/7/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 9.7 feet to 19.7 feet	STATIC DEPTH TO WATER (feet): 12.02	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 12.02 feet) X 0.16 gallons/foot = 1.27 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13.5	15.5'	14:45	15:24	3.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:56	1.3	1.3	0.12	13.20	6.72	23.8	297	1.17 / 13.8%	3.84	Clear	None
15:10	1.3	2.6	0.09	13.73	6.76	23.9	297	1.05 / 12.4%	3.17	Clear	None
15:24	1.3	3.9	0.09	14.07	6.70	23.9	304	0.66 / 7.9%	2.48	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denton / Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 15:25	SAMPLING ENDED AT: 15:27
PUMP OR TUBING DEPTH IN WELL (feet): 15.5'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl Prep			8260D - Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: March 1, 2014

62-160.800 F.A.C.

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca-Cola	SITE LOCATION: Apopka, FL		
WELL NO: MW-1R	SAMPLE ID: MW-1R	DATE: 2/8/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 10.1 feet to 20.1 feet	STATIC DEPTH TO WATER (feet): 10.89'	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20.4 feet − 10.89' feet) X 0.16 gallons/foot = 1.52 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.5'	PURGING INITIATED AT: 9:23	PURGING ENDED AT: 10:48	TOTAL VOLUME PURGED (gallons): 8.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:40	1.6	1.6	0.09	12.02'	5.42	23.8	59.8	0.83 / 9.8%	249	Cloudy Light Br	Slight
9:57	1.6	3.2	0.09	12.50'	5.36	23.9	62.4	0.34 / 4.0%	310	Cloudy/Br	Slight
10:14	1.6	4.8	0.09	12.70'	5.32	23.9	70.5	0.39 / 4.6%	274	Cloudy/Br	Slight
10:31	1.6	6.4	0.09	12.86	5.31	24.1	77.8	0.40 / 4.9%	219	Cloudy/Light Br	Slight
10:48	1.6	8.0	0.09	13.04	5.34	24.2	87.0	0.33 / 3.9%	178	111	Slight

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denten / Ardaman	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:49	SAMPLING ENDED AT: 10:51
PUMP OR TUBING DEPTH IN WELL (feet): 14.5'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40ml	HCl + ICE			8260D (full 1.5+)	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **SM** = Straw Method (Tubing Gravity Drain); **ESP** = Electric Submersible Pump; **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: March 1, 2014

62-160.800 F.A.C.

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca-Cola	SITE LOCATION: Apopka, FL		
WELL NO: MW-7R	SAMPLE ID: MW-7R	DATE: 2/8/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 9.7 feet to 19.7 feet	STATIC DEPTH TO WATER (feet): 11.40'	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 11.40 feet) X 0.16 gallons/foot = 1.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13'	13'	11:09	12:14	7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:22	1.4	1.4	0.11	~~12~~ 11.71	6.32	23.7	117.0	0.92 / 10.8%	114	Cloudy	None
11:35	1.4	2.8	0.11	11.73	6.30	23.9	117.2	0.68 / 8.1%	74.6	Cloudy	None
11:48	1.4	4.2	0.11	11.77	6.29	23.9	118.5	0.53 / 6.4%	53.9	Cloudy	None
12:01	1.4	5.6	0.11	11.77	6.27	24.0	119.4	0.53 / 6.4%	60.9	Cloudy	None
12:14	1.4	7.0	0.11	11.79	6.28	23.9	118.8	0.52 / 6.2%	42.1	SlCloudy	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denton / Arcadis	SAMPLER(S) SIGNATURE(S): Michael Denton	SAMPLING INITIATED AT: 12:15	SAMPLING ENDED AT: 12:17
PUMP OR TUBING DEPTH IN WELL (feet): 13'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40ml	HCl + ICE			8260D - Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **SM** = Straw Method (Tubing Gravity Drain); **ESP** = Electric Submersible Pump; **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: March 1, 2014

62-160.800 F.A.C.

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Coca-Cola		SITE LOCATION: Apopka, FL	
WELL NO: MW-13R	SAMPLE ID: MW-13R		DATE: 2/8/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 9.7 feet to 19.7 feet	STATIC DEPTH TO WATER (feet): 10.80'	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (20 feet − 10.80 feet) X 0.16 gallons/foot = 1.47 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.5	PURGING INITIATED AT: 12:55	PURGING ENDED AT: 14:01	TOTAL VOLUME PURGED (gallons): 7.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:08	1.5	1.5	0.12	12.15	5.64	25.1	277	0.28/3.4%	20.4	Clear	Slight/Moderate
13:22	1.5	3.0	0.11	12.61	5.58	24.6	271	0.25/3.0%	23.0	SL Cloudy	"
13:35	1.5	4.5	0.12	12.91	5.58	24.7	273	0.23/2.8%	26.4	"	"
13:48	1.5	6.0	0.12	13.15	5.55	24.6	265	0.33/4.0%	28.7	"	"
14:01	1.5	7.5	0.12	13.31	5.56	24.7	262	0.29/3.4%	33.1	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Michael Denton / Arcadis	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:00	SAMPLING ENDED AT: 14:04
PUMP OR TUBING DEPTH IN WELL (feet): 14.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + DEE			8260D - Full List	APP	

REMARKS: * Oil residue on surface of water *

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: March 1, 2014

62-160.800 F.A.C.

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca-Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	~~MW-16~~ MW-12R	SAMPLE ID:	~~MW-16~~ MW-12R	DATE: 2/8/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.28'	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet – 11.28 feet) X 0.16 gallons/foot = 1.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13	13'	14:24	15:26	7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:37	1.4	1.4	0.11	11.74	5.91	24.1	101.2	1.17 / 14.0%	109	Brownish Cloudy	None
14:50	1.4	2.8	0.11	11.80	5.90	24.4	106.9	1.07 / 12.0%	85.2	"	"
15:02	1.4	4.2	0.12	11.80	5.87	24.4	113.1	0.98 / 11.7%	87.9	"	"
5:14 ~~15:14~~	1.4	~~5.6~~ 5.6	0.12	11.86	5.85	24.5	117.1	1.08 / 12.9%	96.1	"	"
15:26	1.4	7.0	0.12	11.86	5.85	24.4	124.4	0.95 / 11.4%	93.0	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Arcadis		15:27	15:29

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + ICE			8260D - Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca-Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	MW-16	SAMPLE ID:	MW-16	DATE: 2/9/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.26	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 11.26 feet) X 0.16 gallons/foot = 1.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13'	13'	9:48	10:40	4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:07	1.4	1.4	0.07	11.39	6.28	23.5	194.1	2.10/24.7%	8.10	Clear	None
10:23	1.4	2.8	0.09	11.48	6.27	23.7	196.9	1.64/19.4%	6.10	Clear	None
10:40	1.4	4.2	0.08	11.49	6.28	23.6	201	1.44/17.0%	5.44	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Arcadis	Michael Denton	10:41	10:43

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + TCE			8260D- Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca - Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	MW-5R	SAMPLE ID:	MW-5R	DATE: 2/9/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.46'	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 11.46 feet) X 0.16 gallons/foot = 1.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13'	14.5	11:01	12:20	7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:21	1.4	1.4	0.07	12.66	6.24	23.9	650	0.40/4.7%	65.2	Brown	Slight/Sulfur
11:38	1.4	2.8	0.08	12.88	6.11	24.0	635	0.28/3.3%	74.0	Brown/cloudy	"
11:55	1.4	4.2	0.08	12.95	6.06	24.3	554	0.29/3.4%	79.5	"	"
12:03	1.4	5.6	0.08	13.10	6.05	23.8	557	0.60/7.3%	91.1	"	"
12:20	1.4	7.0	0.08	13.11	6.00	24.1	522	0.24/2.8%	94.1	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Arcadis		12:21	12:23

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
14.5	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40mL	HCl + ECE			8260D - Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	MW-18	SAMPLE ID:	MW-18	DATE: 2/9/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.43'	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (20 feet − 11.43 feet) X 0.16 gallons/foot = 1.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13'	13'	12:38	14:00	7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:54	1.4	1.4	0.09	11.84	6.05	24.2	140.8	2.30 / 27.4%	94.2	Cloudy	None
13:10	1.4	2.8	0.09	11.90	5.94	24.1	156.9	1.54 / 18.9%	92.2	Cloudy	None
13:26	1.4	4.2	0.09	11.92	5.77	24.0	170.0	1.25 / 14.9%	74.7	Cloudy	None
13:43	1.4	5.6	0.08	11.92	5.79	24.1	175.3	1.12 / 13.3%	56.4	Cloudy	None
14:00	1.4	7.0	0.08	11.91	6.06	24.1	178.7	1.23 / 14.6%	53.1	Cloudy	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Ardaman		14:01	14:03

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40ml	HCl + ice			8260D - Full	APP	
							1,4-		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Coca-Cola	SITE LOCATION:	Apopka, FL	
WELL NO:	MW-17	SAMPLE ID:	MW-17	DATE: 2/9/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	9.7 feet to 19.7 feet	11.85	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet − 11.85 feet) X 0.16 gallons/foot = 1.304 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13.5	18'	14:14	15:40	7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:30	1.4	1.4	0.09	14.07	6.56	24.4	207	1.58/ 19.[illegible]%	1.93	Clear	None
14:48	1.4	2.8	0.07	15.08	6.58	24.5	212	1.07/ 12.8%	34.2	SL Cloudy	None
5:06 [illegible]	1.4	4.2	0.07	15.56	6.55	24.[illegible]	214	1.47/ 17.7%	71.9	Cloudy	None
15:23	1.4	5.6	0.08	16.11	6.53	24.4	212	1.56/ 18.9%	45.1	SL Cloudy	None
15:40	1.4	7.0	0.08	16.68	6.58	24.6	214	1.50/ 18.1%	56.1	111	111

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Michael Denton / Ardaman		15:41	15:43

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
18'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40ml	HCl + Ice			8260D- Full List	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: Coca Cola

Calibrated by (Print)/Affiliation: Michael Denton / Ardamore

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID: Geotech Portable Turbidity

Std=0.1-10 NTU +/-10% Std=11-40 NTU +/-8% Std=41-100 NTU +/-6.5% Std>100 NTU +/-5%

CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL)	ICV	CCV	MD	2/7/24	9:59	0.02	05/25	61D	0.02		(P) F
CAL	(ICV)	CCV	MD	2/8/24	9:15	0.02	‡	‡	0.03		(P) F
CAL	(CV)	CCV	MD	2/9/24	9:50	0.02			0.02		(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

pH (REFERENCE: DEP SOP FT 1100) Acceptance Criteria +/-0.2 SU

Meter/Instrument Name and Unique ID: Oakton pH 30 + ECOsense pH 10A

CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL)	ICV	CCV	MD	2/7/24	9:45	7	09/24	2210949	7.00		(P) F
(CAL)	ICV	CCV	MD	2/7/24	9:47	4	05/25	2305P12	4.00		(P) F
(CAL)	ICV	CCV	MD	2/8/24	8:55	7	09/24	2210949	7.02		(P) F
(CAL)	ICV	CCV	MD	2/8/24	8:59	4	05/25	2305P12	4.00		(P) F
(CAL)	ICV	CCV	MD	2/9/24	9:40	7	09/24	2210949	7.00		(P) F
(CAL)	ICV	CCV	MD	2/9/24	9:44	4	05/25	2305P12	4.00		(P) F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)*100}

Version Date: November 2021

FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP

Project Site/FacID: Coca Cola

Calibrated by (Print)/Affiliation: Michael Denton

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID: YSI 550A

CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass or Fail
CAL	ICV	CCV	MD	2/7/24	10:02	100%	19.8	9.129	99.6	9.11		P F
CAL	ICV	CCV	MD	2/8/24	9:18	100%	18.5	9.371	99.5	9.32		P F
CAL	ICV	CCV	MD	2/9/24	9:48	100%	18.5	9.371	99.6	9.33		P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F
CAL	ICV	CCV				100%						P F

** See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID: Oakton ECTestr 11+

CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass or Fail
CAL	ICV	CCV	MD	2/7/24	9:55	447	02/24	2302E53	447		P F
CAL	ICV	CCV	MD	2/8/24	8:50	447	↓	↓	447		P F
CAL	ICV	CCV	MD	2/9/24	9:35	447			447		P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID:

CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)*100}

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FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

November 26, 2024

Ms. Tracey Brown
The Coca Cola Company
Special Products Department
2501 West Orange Avenue
Apopka, FL 32703
TrBrown@coca-cola.com

Subject: Site Rehabilitation Completion Order
Orange County - Waste Cleanup
The Coca Cola Company
Special Products Department AST
2501 West Orange Avenue
Apopka, Florida 32703
WCU SITE ID: ERIC_12758
Discharge Date: March 8, 2008 (AST 306)

Dear Ms. Brown:

The Department has reviewed the "Semi-Annual Groundwater Sampling Report Relative to Tank No. 306" that was created March 6, 2024 (Report). The Report was submitted on March 14, 2024 by Ardaman and Associates, Inc. (Ardaman) for the Special Products Department AST Site located at 2501 West Orange Avenue in Apopka, Orange County, Florida. All the documents submitted to date are adequate to meet the site assessment requirements of Rule 62-780.600, Florida Administrative Code (F.A.C.).

In addition, the person responsible for site rehabilitation has requested to address the contamination pursuant to subsection 376.30701(1)(b), Florida Statutes (F.S.) under the global risk-based corrective action (RBCA) program (not petroleum RBCA). Documentation submitted with the Report confirms that the only remaining contaminants (benzene, p-isopropyltoluene, isopropylbenzene and Total Petroleum Hydrocarbons (TPH)) exceed nuisance, organoleptic or aesthetic consideration criteria set forth in paragraphs 376.30701(2)(g)3.a-f, F.S. and Subsection 62-780.680(1)(c)1.a.(I)-(IV), F.A.C. In an October 3, 2013 letter, the Department agreed that the TPH analysis was not relevant to this site because hydrocarbon "fingerprinting" proved the TPH source to be trace amounts of terpanes and not petroleum. Please refer to the attached map[s] of the source property and analytical summary tables, Exhibits A and B respectively and hereby incorporated by reference. Due to the generic permit dewatering requirements found in Rule 62-621.300, F.A.C., information about the above facility will be maintained on the Department's Institutional Controls Registry website at: http://ca.dep.state.fl.us/mapdirect/?focus=icr. The

Report is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for contamination associated with the discharge referenced above, except as set forth below.

(1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the Report or otherwise allowed by Chapter 62-780, F.A.C.

(2) Additionally, you are required to properly plug and abandon all monitoring wells, injection wells, extraction wells, and sparge wells within 60 days of receipt of this Order unless these wells are otherwise required for compliance with a local ordinance or another cleanup. The wells must be plugged and abandoned in accordance with the requirements of Subsection 62-532.500(5), F.A.C. A Well Plugging Report shall be submitted within 30 days of well plugging. Other State, county or city requirements for well abandonment may also apply.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@FloridaDEP.gov. Also, a copy of the petition shall be mailed to the addressee for this order at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the addressee for this order must be filed within **21** days of receipt of this written notice. Petitions filed by any persons other than the addressee for this order must be filed within **21** days of publication of the notice or within **21** days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver may not apply to persons who have not received a clear point of entry.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@FloridaDEP.gov, before the deadline

for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Questions

Any questions regarding the review of the Report should be directed to Johanna Leonard at (407) 897-4130. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

The FDEP Facility Number for this facility is ERIC_12758. Please use this identification on all future correspondence with the Department.

EXECUTION AND CLERKING

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Program Administrator
Permitting and Waste Cleanup Program

RP/lb/jgl

CERTIFICATE OF SERVICE
The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Katherine Vinnel — November 26, 2024
Clerk — Date

Exhibits: A: map(s) of the source property; B:

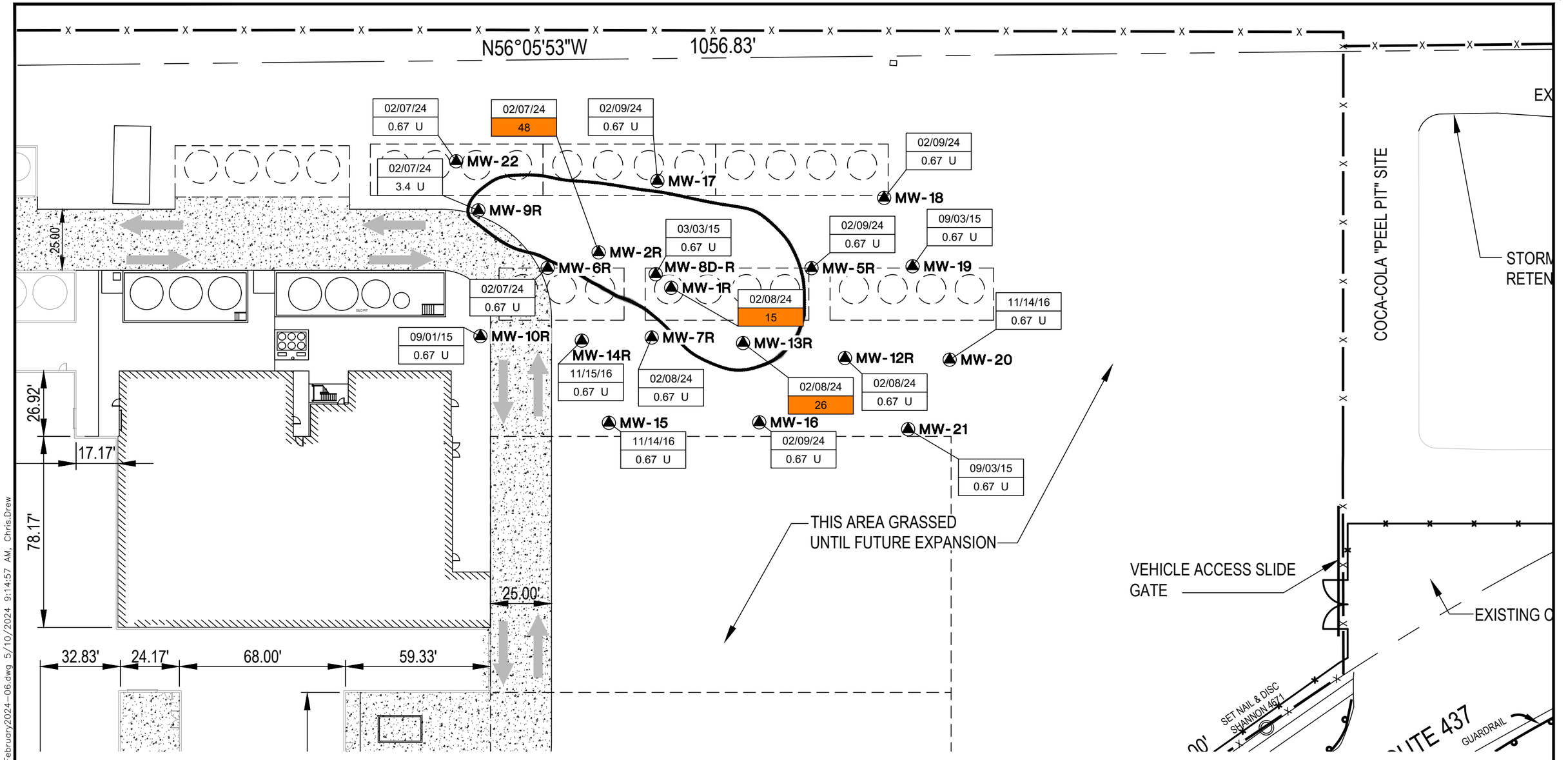
cc: Kathryn Minter, Geologist, Ardaman & Associates, KMinter@ardaman.com
Carl Stephens, P.E., Senior Project Engineer, Ardaman & Associates, CStephens@ardaman.com

ec: Lu Burson, FDEP Central District Office – lu.burson@FloridaDEP.gov
Johanna Leonard, FDEP–PRP Johanna.Leonard@FloridaDEP.gov
Carl Stephens, Ardaman – Cstephens@Ardaman.com

Wesley Curtis, St. Johns River Water Management District – wcurtis@sjrwmd.com
DWM_ERIC_IC@FloridaDEP.gov

File

EXHIBIT A



LEGEND

MW	MONITORING WELL LOCATIONS	U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
03/03/15 / 0.8	DATE OF SAMPLE / ISOPROPYLBENZENE (µg/L)		ESTIMATED EXTENT OF ISOPROPYLBENZENE CONTAMINATION (DASHED WHERE INFERRED)
0.8	CONCENTRATION ABOVE GCTL		
8	CONCENTRATION ABOVE NADC		

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40

SCALE: 1"=40'

ISOPROPYLBENZENE CONCENTRATION MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 6

T:\Orlando\10\10-6687A\February 2024\106687A-February2024-06.dwg 5/10/2024 9:14:57 AM, Chris.Drew

EXHIBIT B

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	TMW-1	MW-1[2]										62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	5-15	10-20											
	Date Sampled	11/06/10	05/05/11	06/01/11										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	2 U	**2.7**	**11**									1	100
	Toluene	**9.2**	0.56 U	**1.3**									40	400
	Ethylbenzene	**11**	0.42 U	0.69 U									30	300
	Xylenes, total	**4**	1.30 U	1.80 U									20	200
	Methyl tert-butyl ether (MTBE)	1.3 U	0.46 U	0.60 U									20	200
	Acenaphthene	13 U	0.092 U	NS									20	200
	Acenaphthylene	15 U	0.065 U	NS									210	2,100
	Anthracene	7.0 U	0.056 U	NS									2,100	21,000
	Benzo(a)anthracene	5.5 U	0.033 U	NS									0.05	5
	Benzo(a)pyrene	5.0 U	0.065 U	NS									0.2	20
	Benzo(b)fluoranthene	7.0 U	0.046 U	NS									0.05	5
	Benzo(ghi)perylene	8.5 U	0.062 U	NS									210	2,100
	Benzo(k)fluoranthene	6.5 U	0.050 U	NS									0.5	50
	Chrysene	6.5 U	0.035 U	NS									4.8	480
	Dibenz(ah)anthracene	8.0 U	0.054 U	NS									0.005	0.5
	Fluoranthene	6.5 U	0.032 U	NS									280	2,800
	Fluorene	13 U	0.071 U	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	7.5 U	0.10 U	NS									0.05	5
	Naphthalene	17 U	0.076 U	NS									14	140
	1-Methyl Naphthalene	14 U	0.17 U	NS									28	280
	2-Methyl Naphthalene	*13* U	0.17 U	NS									28	280
	Phenanthrene	7.5 U	0.13 U	NS									210	2,100
	Pyrene	7.0 U	0.032 U	NS									210	2,100
	TRPH[1]	**27,000**	**5,700**	**11,000**									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS									3	300
OTHER	Acetone	**82**	**47**	**65**									6,300	63,000
	Chloroethane	3.3 U	1.2 U	0.98 U									12	1,200
	1,1-Dichloroethane	2.2 U	0.42 U	0.57 U									70	700
	1,1-Dichloroethene	2.5 U	0.60 U	0.94 U									7	700
	4-methyl-2-pentanone	**26 U**	1.0 U	**9.8**									560	5,600
	Tetrachloroethene	2.2 U	1.6 U	0.76 U									3	300
	Trichloroethene	2.0 U	0.72 U	0.55 U									3	300
	1,1,1-Trichloroethane	2.0 U	0.78 U	0.59 U									200	2,000
	Vinyl Chloride	2.4 U	0.80 U	0.71 U									1	100
	cis-1,2-Dichloroethene	2.0 U	0.56 U	0.49 U									70	700
	trans-1,2-Dichloroethene	2.4 U	0.80 U	0.72 U									100	1,000
	4-Isopropyltoluene (Cymene)	**5,200**	**310**	**600**									660	6,600
	Isopropylbenzene (Cumene)	**250**	**1.3 I**	**2.3**									0.8	8
	Chloroform	NA	NA	0.54 U									70	700
	2-Butanone (MEK)	NA	NA	4.5 U									*	*
	Bromodichloromethane	NA	NA	0.49 U									0.6	60
	Dibromochloromethane	NA	NA	0.44 U									0.4	40
	1,2,4-Trimethylbenzene	1.9 U	0.52 U	**2.8**									10	100
	1,3,5-Trimethylbenzene	2.2 U	0.42 U	0.49 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	11/13/14	03/03/15	09/01/15	05/10/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19	01/24/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	3.6 U	3.6 U	**1.8**	**2.1**	3.6 U	**1.4**	0.71 U	0.71 U	**0.85 I**	0.71 U	**1.0**	0.71 U	1	100
	Toluene	3.6 U	3.6 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**5.1**	3.4 U	**4.3**	**9.9**	**6.4**	**9.4**	**5.0**	**3.2**	**4.4**	**1.8**	**1.7**	**0.78 I**	30	300
	Xylenes, total	6.5 U	6.5 U	1.3 U	1.30 U	6.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	3.0 U	3.0 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Acetone	25 U	25.0 U	**24**	**48**	50 U	**28**	**120**	**100**	**19 I**	10 U	10 U	10 U	6,300	63,000
	Chloroethane	4.9 U	4.9 U	0.98 U	2.0 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	3.1 U	3.1 U	0.57 U	1.2 U	3.1 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	4.7 U	4.7 U	0.94 U	1.9 U	4.7 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	4-methyl-2-pentanone	4.0 U	**8.0** I	0.79 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	560	5,600
	Tetrachloroethene	3.8 U	3.8 U	0.76 U	1.5 U	3.8 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	4.4 U	4.4 U	0.55 U	1.8 U	4.4 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	4.0 U	4.0 U	0.59 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	3.6 U	3.6 U	0.71 U	1.4 U	3.6 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	2.6 U	2.6 U	0.49 U	1.1 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	3.6 U	3.6 U	0.72 U	1.5 U	3.6 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	4-Isopropyltoluene (Cymene)	**560**	**270**	**2.7**	**23**	**8.0**	**12**	**7.9**	**1.1**	**2.2**	0.80 U	**1.3**	**1.4**	660	6,600
	Isopropylbenzene (Cumene)	**7.0**	**10**	**9.0**	**11**	**10**	**16**	**11**	**6.2**	**9.3**	**5.0**	**12**	**8.8**	0.8	8
	Chloroform	4.0 U	4.0 U	0.54 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	22 U	3.8 U	4.5 U	9.0 U	22 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	Bromodichloromethane	2.6 U	2.6 U	0.49 U	1.0 U	2.6 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	2.2 U	2.2 U	0.44 U	0.88 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	3.4 U	3.4 U	**2.8**	1.4 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	2.9 U	2.9 U	0.49 U	1.2 U	2.9 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	02/12/21	11/09/21	03/01/23	02/08/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.82 I**	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Acetone	10 U	10 U	25 U	25 U									6,300	63,000
	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	4-methyl-2-pentanone	2.5 U	2.5 U	2.5 U	2.5 U									560	5,600
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	4-Isopropyltoluene (Cymene)	**2.5**	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	**15**	**9.5**	**14**	**15**									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2[2]		MW-2R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10-20		10.1-20.1											
	Date Sampled	05/05/11	06/01/11	11/13/14	03/03/15	09/03/15	05/11/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.48 U	**0.6**	14 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	Toluene	**2.1**	**3.0**	14 U	36 U	72 U	36 U	72 U	72 U	72 U	72 U	360 U	18 U	40	400
	Ethylbenzene	**2.6**	**3.8**	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	30	300
	Xylenes, total	1.3 U	1.8 U	26 U	65 U	130 U	65 U	130 U	130 U	130 U	130 U	650 U	32 U	20	200
	Methyl tert-butyl ether (MTBE)	0.65 U	0.60 U	12 U	30 U	60 U	30 U	60 U	60 U	60 U	60 U	300 U	15 U	20	200
	Acenaphthene	0.092 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	**0.12** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	0.033 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	0.046 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	0.062 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	0.050 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	0.035 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	0.054 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	**0.078** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	0.10 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.076 U	NS	NS	41 U	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	**0.19** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	**0.18** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	**0.66**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**6,500**	**18,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	39 U	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	32 U	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	**84**	**88**	100 U	49 U	98 U	49 U	98 U	98 U	98 U	98 U	490 U	24 U	12	1,200
	1,1-Dichloroethane	1.2 U	0.98 U	20 U	31 U	62 U	31 U	62 U	62 U	62 U	62 U	310 U	16 U	70	700
	1,1-Dichloroethene	0.42 U	0.57 U	12 U	47 U	94 U	47 U	94 U	94 U	94 U	94 U	470 U	24 U	7	700
	Tetrachloroethene	0.60 U	0.94 U	19 U	38 U	76 U	38 U	76 U	76 U	76 U	76 U	380 U	19 U	3	300
	Trichloroethene	1.0 U	**14.0**	16 U	44 U	89 U	44 U	89 U	89 U	89 U	89 U	440 U	22 U	3	300
	1,1,1-Trichloroethane	1.6 U	0.76 U	15 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	200	2,000
	Vinyl Chloride	0.72 U	0.55 U	18 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	cis-1,2-Dichloroethene	0.78 U	0.59 U	16 U	26 U	53 U	26 U	53 U	53 U	53 U	53 U	260 U	13 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.71 U	14 U	36 U	73 U	36 U	73 U	73 U	73 U	73 U	360 U	18 U	100	1,000
	Acetone	0.56 U	0.49 U	11 U	250 U	500 U	250 U	1000 U	1000 U	1000 U	1000 U	5000 U	250 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,300**	**2,200**	**5,700**	**7600**	**7300**	**7500**	**13000**	**11000**	**34000**	**8900**	**86000**	**3300**	660	6,600
	Isopropylbenzene (Cumene)	**26**	**30**	**34**	**34 U**	**67 U**	**45** I	**78** I	**67 U**	**67 U**	**67 U**	**340 U**	**45**	0.8	8
	Chloroform	NA	0.54 U	16 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	70	700
	2-Butanone (MEK)	NA	0.54 U	16 U	220 U	450 U	220 U	450 U	450 U	450 U	450 U	2200 U	110 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA	**7.4**	90 U	40 U	79 U	40 U	79 U	79 U	79 U	79 U	400 U	20 U	*	*
	Bromodichloromethane	NA	0.49 U	10 U	26 U	52 U	26 U	52 U	52 U	52 U	52 U	260 U	13 U	0.6	60
	Dibromochloromethane	NA	0.44 U	8.8 U	22 U	44 U	22 U	44 U	44 U	44 U	44 U	220 U	11 U	0.4	40
	1,2,4-Trimethylbenzene	0.52 U	0.56 U	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.49 U	12 U	29 U	58 U	29 U	58 U	58 U	58 U	58 U	290 U	14 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2R										MW-3[2]	MW-4[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1										10-20	9.7-19.7		
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24					05/05/11	09/19/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					**1**	**1**	1	100
	Toluene	72 U	72 U	1.8 U	1.2	0.72 U	**1.3**					0.28 U	0.26 U	40	400
	Ethylbenzene	69 U	69 U	1.7 U	1.2	0.69 U	**2.9**					0.21 U	0.33 U	30	300
	Xylenes, total	130 U	130 U	3.2 U	1.3 U	1.3 U	1.3 U					0.64 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	60 U	60 U	1.5 U	0.60 U	0.60 U	0.60 U					0.23 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS					**0.19** I	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS					0.065 U	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS					0.056 U	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS					0.033 U	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS					0.065 U	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS					0.046 U	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS					0.062 U	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS					0.050 U	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS					0.035 U	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS					0.054 U	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS					0.032 U	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS					0.094 U	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS					0.10 U	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS					**0.13** I	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.047 U	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.052 U	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS					0.068 U	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS					0.032 U	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS					**180**	**190** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS					NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS					NS	NS	3	300
OTHER	Chloroethane	98 U	98 U	2.4 U	0.98 U	0.98 U	0.98 U					**5.7**	2.4 U	12	1,200
	1,1-Dichloroethane	62 U	62 U	1.6 U	0.62 U	0.62 U	0.62 U					0.58 U	0.25 U	70	700
	1,1-Dichloroethene	94 U	94 U	2.4 U	0.94 U	0.94 U	0.94 U					0.21 U	0.46 U	7	700
	Tetrachloroethene	76 U	76 U	1.9 U	0.76 U	0.76 U	0.76 U					0.30 U	0.35 U	3	300
	Trichloroethene	89 U	89 U	2.2 U	0.89 U	0.89 U	0.89 U					0.51 U	0.81 U	3	300
	1,1,1-Trichloroethane	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.82 U	1.0 U	200	2,000
	Vinyl Chloride	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					0.36 U	0.87 U	1	100
	cis-1,2-Dichloroethene	53 U	53 U	1.3 U	0.53 U	0.53 U	0.53 U					0.39 U	0.30 U	70	700
	trans-1,2-Dichloroethene	73 U	73 U	1.8 U	0.73 U	0.73 U	0.73 U					0.40 U	0.37 U	100	1,000
	Acetone	1000 U	1000 U	25 U	86	25 U	**30** I					0.28 U	0.61 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**7100**	**6100**	**240**	**12**	**1.5** I	**32**					0.40 U	2.4 U	660	6,600
	Isopropylbenzene (Cumene)	**67 U**	**67 U**	**14**	**22**	**7.7**	**48**					**26**	8.60 U	0.8	8
	Chloroform	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.25 U	0.38 U	70	700
	2-Butanone (MEK)	450 U	450 U	11 U	4.5 U	4.5 U	4.5 U					NA	0.47 U	*	*
	4-Methyl-2-pentanone (MIBK)	79 U	79 U	6.2 U	8.9	5.0 U	NA					NA	0.89 U	*	*
	Bromodichloromethane	52 U	52 U	1.3 U	0.52 U	0.52 U	0.52 U					NA	0.78 U	0.6	60
	Dibromochloromethane	44 U	44 U	1.2 U	0.50 U	0.50 U	0.50 U					NA	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	69 U	69 U	1.7 U	0.69 U	0.69 U	0.69 U					0.26 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	58 U	58 U	1.4 U	0.58 U	0.58 U	0.58 U					0.21 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.7** I	10 U	**14** I	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**1.4**	**1.1**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	**5.5**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/11/21	11/08/21	03/01/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5[2]	MW-5R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.4-19.4	9.7-19.7												
	Date Sampled	09/19/11	11/10/14	03/03/15	09/03/15	05/09/16	11/16/16	06/27/17	01/12/18	07/23/18	01/21/19	07/23/19	01/23/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.84 I**	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	Toluene	**0.43 I**	3.6 U	14 U	3.4 U	3.4 U	3.6 U	1.4 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.33 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	6.5 U	26 U	6.5 U	6.5 U	6.5 U	2.6 U	1.3 U	1.3 U	6.5 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	1.1 U	3.0 U	12 U	3.0 U	3.0 U	3.0 U	1.2 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**16,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.25 U	4.9 U	20 U	4.9 U	4.9 U	4.9 U	2.0 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.46 U	3.1 U	12 U	3.1 U	3.1 U	3.1 U	1.2 U	0.62 U	0.62 U	3.1 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.35 U	4.7 U	19 U	4.7 U	4.7 U	4.7 U	1.9 U	0.94 U	0.94 U	4.7 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.81 U	3.8 U	15 U	3.8 U	3.8 U	3.8 U	1.5 U	0.76 U	0.76 U	3.8 U	0.76 U	0.76 U	3	300
	Trichloroethene	1.0 U	4.4 U	18 U	4.4 U	4.4 U	4.4 U	1.8 U	0.89 U	0.89 U	4.4 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.87 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.30 U	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.37 U	2.6 U	11 U	2.6 U	2.6 U	2.6 U	1.1 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.61 U	3.6 U	15 U	3.6 U	3.6 U	3.6 U	1.5 U	0.73 U	0.73 U	3.6 U	0.73 U	0.73 U	100	1,000
	Acetone	**140**	25.0 U	100 U	25 U	**64**	50 U	56	**34**	10 U	50 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	550 U	**2,100**	**1,800**	**770**	**25**	**170**	**23**	**13**	**2.9**	**34**	**3.4**	**6.4**	660	6,600
	Isopropylbenzene (Cumene)	0.38 U	3.4 U	13 U	3.4 U	3.4 U	3.4 U	1.3 U	0.67 U	0.67 U	3.4 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.47 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	**21**	22 U	90 U	22 U	22 U	22 U	9.0 U	4.5 U	4.5 U	22 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.67 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.78 U	2.6 U	10 U	2.6 U	2.6 U	2.6 U	1.0 U	0.52 U	0.52 U	2.6 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.84 U	2.2 U	8.8 U	2.2 U	2.2 U	2.2 U	0.88 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	8.0 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.54 U	2.9 U	12 U	2.9 U	2.9 U	2.9 U	1.2 U	0.58 U	0.58 U	2.9 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5R							MW-6[2]	MW-6R				62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							10.1-20.1	9.7-19.7					
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24			09/19/11	11/13/14	03/02/15	09/02/15	02/28/23		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.22 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U			**0.86** I	3.6 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			**1.0**	3.4 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U			**2.6**	6.5 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U			1.1 U	3.0 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS			**2,000**	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U			0.25 U	4.9 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U			0.46 U	3.1 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U			0.35 U	4.7 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U			0.81 U	3.8 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U			1.0 U	4.4 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.87 U	4.0 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.30 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U			0.37 U	2.6 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U			0.61 U	3.6 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U			**10**	25 U	**32**	**36**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.4**	**1.5**	0.80 U	0.80 U	0.80 U			**1,700**	**250**	**35**	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U			0.38 U	3.4 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.47 U	4.0 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U			0.89 U	22 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA			0.67 U	4.0 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U			0.78 U	2.6 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U			0.84 U	2.2 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			0.74 U	3.4 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U			**1.5**	2.9 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-6R		MW-7[2]	MW-7R									62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7		9.6-19.6	9.7-19.7										
	Date Sampled	02/07/24		09/19/11	11/13/14	03/03/15	09/01/15	05/09/16	11/15/16	06/28/17	01/12/18	07/23/18	01/22/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U		**0.51** I	**1.2**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U		0.26 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U		0.33 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U		1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U		1.1 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS		**390**	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U		0.25 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U		0.46 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U		0.35 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U		0.81 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U		1.0 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U		0.87 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U		0.30 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U		0.37 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U		0.61 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	25 U		2.4 U	5.0 U	5.0 U	**7.6** I	**15**	10 U	**31**	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U		**16**	**2.1**	**1.3**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U		0.38 U	**0.94** I	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U		0.47 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U		0.89 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U		0.78 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U		0.84 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U		0.74 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U		0.54 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-7R								MW-8D[2]	MW-8D-R		MW-9[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7								29.7-34.7	30.1-35.1		10.1-20.1		
	Date Sampled	07/22/19	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		09/19/11	11/13/14	03/03/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANT'S OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.22 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U		0.26 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.33 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U		1.2 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U		1.1 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS		**250** I	NS	NS	97 U	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U		0.25 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U		0.46 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U		0.35 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U		0.81 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U		1.0 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.87 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.30 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U		0.37 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U		0.61 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	10 U	10 U	10 U	10 U	10 U	25 U	25 U		2.4 U	5.0 U	5.0 U	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		**330** J4	11	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U		0.38 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.72 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U		0.89 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U		0.78 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U		0.84 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.74 U	0.69 U	0.70 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U		0.54 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	**33**	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	**6500**	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R							MW-10[2]	MW-10R			MW-11[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							9.4-19.4	9.7-19.7			9.6-19.6		
	Date Sampled	09/04/20	02/11/21	11/08/21	03/17/22	02/28/23	02/07/24		11/21/11	11/13/14	03/02/15	09/02/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.22 U	0.71 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	7.2 U	14 U	3.6 U	NA	0.72 U	3.6 U		0.26 U	0.72 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.5 U		0.33 U	0.69 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	13 U	26 U	6.5 U	NA	1.3 U	6.5 U		1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	6.0 U	12 U	3.0 U	NA	0.60 U	3.0 U		1.1 U	0.60 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS		97 U	NS	NS	NS	**130** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	9.8 U	20 U	4.9 U	NA	0.98 U	4.9 U		0.25 U	0.98 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	6.2 U	12 U	3.1 U	NA	0.62 U	3.1 U		0.46 U	0.62 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	9.4 U	19 U	4.7 U	NA	0.94 U	4.7 U		0.35 U	0.94 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	7.6 U	15 U	3.8 U	NA	0.76 U	3.8 U		0.81 U	0.76 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	8.9 U	18 U	4.4 U	NA	0.89 U	4.5 U		1.0 U	0.89 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	8.0 U	16 U	4.0 U	NA	0.80 U	4.0 U		0.87 U	0.80 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.30 U	0.71 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	5.3 U	**18 I**	2.6 U	NA	0.53 U	2.7 U		0.37 U	0.53 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	7.3 U	15 U	3.6 U	NA	0.73 U	3.7 U		0.61 U	0.73 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	100 U	200 U	50 U	NA	25 U	130 U		2.4 U	5.0 U	5.0 U	10	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**990**	**7700**	**450**	**3900**	**15**	**460**		0.63 U	0.88 I	0.80 U	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	6.7 U	13 U	3.4 U	NA	0.67 U	3.4 U		0.38 U	0.67 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	8.0 U	16 U	4.0 U	NA	**0.89 I**	4.0 U		0.47 U	0.80 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	45 U	90 U	22 U	NA	4.5 U	23 U		0.89 U	4.5 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	25 U	50 U	12 U	NA	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	5.2 U	10 U	2.6 U	NA	0.52 U	2.6 U		0.78 U	0.52 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	5.0 U	10 U	2.5 U	NA	0.44 U	2.5 U		0.84 U	0.44 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.4 U		0.74 U	0.69 U	0.69 U	0.69 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	5.8 U	12 U	2.9 U	NA	0.58 U	2.9 U		0.54 U	0.58 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12[2]	MW-12R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1	9.7-19.7											
	Date Sampled	10/21/11	11/10/14	03/03/15	09/01/15	05/09/16	11/15/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1** I	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.56 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**1.1** I	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.64 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**2,200**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	1.2 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.42 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.58 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	1.2 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.72 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.58 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.74 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.56 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	6.6 U	**13**	**18**	**10**	**16**	10 U	**20**	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.8**	**6.8**	**3.6**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.50 U	**2.4**	**2.8**	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.52 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	1.9 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	1.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.66 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.50 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/08/24									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U								20	200
	Acenaphthene	NS	NS	NS	NS	NS								20	200
	Acenaphthylene	NS	NS	NS	NS	NS								210	2,100
	Anthracene	NS	NS	NS	NS	NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS								0.5	50
	Chrysene	NS	NS	NS	NS	NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS								0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS								280	2,800
	Fluorene	NS	NS	NS	NS	NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS								0.05	5
	Naphthalene	NS	NS	NS	NS	NS								14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	Phenanthrene	NS	NS	NS	NS	NS								210	2,100
	Pyrene	NS	NS	NS	NS	NS								210	2,100
	TRPH[1]	NS	NS	NS	NS	NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U								100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13[2]	MW-13R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7 - 19.7												
	Date Sampled	12/07/12	11/10/14	03/03/15	09/01/15	05/10/16	11/15/16	06/28/17	01/11/18	07/23/18	01/22/19	07/23/19	01/24/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1**	**5.0**	36 U	71 U	7.1 U	14 U	71 U	14 U	**2.2 I**	36 U	**1.7**	**2.2 I**	1	100
	Toluene	**2.6**	**5.9**	36 U	72 U	**8.0 I**	14 U	72 U	14 U	**2.9**	36 U	0.72 U	**1.8 I**	40	400
	Ethylbenzene	**22**	**25**	34 U	69 U	**66**	**42**	69 U	14 U	**7.9**	34 U	**0.79 I**	**6.9**	30	300
	Xylenes, total	1.3 U	6.5 U	65 U	130 U	13 U	26 U	130 U	26 U	3.2 U	65 U	1.3 U	3.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	3.0 U	30 U	60 U	6.0 U	12 U	60 U	12 U	1.5 U	30 U	0.60 U	1.5 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	4.9 U	49 U	98 U	9.8 U	20 U	98 U	20 U	2.4 U	49 U	0.98 U	2.4 U	12	1,200
	1,1-Dichloroethane	0.62 U	3.1 U	31 U	62 U	6.2 U	12 U	62 U	12 U	1.6 U	31 U	0.62 U	1.6 U	70	700
	1,1-Dichloroethene	0.94 U	4.7 U	47 U	94 U	9.4 U	19 U	94 U	19 U	2.4 U	47 U	0.94 U	2.4 U	7	700
	Tetrachloroethene	0.76 U	3.8 U	38 U	76 U	7.6 U	15 U	76 U	15 U	1.9 U	38 U	0.76 U	1.9 U	3	300
	Trichloroethene	0.89 U	4.4 U	44 U	89 U	8.9 U	18 U	89 U	18 U	2.2 U	44 U	0.89 U	2.2 U	3	300
	1,1,1-Trichloroethane	0.80 U	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	200	2,000
	Vinyl Chloride	0.71 U	3.6 U	36 U	71 U	7.1 U	14 U	71 U	14 U	1.8 U	36 U	0.71 U	1.8 U	1	100
	cis-1,2-Dichloroethene	0.53 U	2.6 U	26 U	53 U	5.3 U	11 U	53 U	11 U	1.3 U	26 U	0.53 U	1.3 U	70	700
	trans-1,2-Dichloroethene	0.73 U	3.6 U	36 U	73 U	7.3 U	15 U	73 U	15 U	1.8 U	36 U	0.73 U	1.8 U	100	1,000
	Acetone	**310**	25 U	250 U	500 U	50.0 U	200 U	1000 U	200 U	25.0 U	500 U	**13 I**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**3,600**	**8,400**	**7,800**	**6,100**	**700**	**1,600**	**540**	**1,300**	**130**	**180**	**18**	**300**	660	6,600
	Isopropylbenzene (Cumene)	**3.0**	3.4 U	34 U	67 U	**16**	**13 U**	**67 U**	**13 U**	**8.5**	**34 U**	**9.8**	**11**	0.8	8
	Chloroform	**4.7**	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	70	700
	2-Butanone (MEK)	**6.3**	22 U	220 U	450 U	45 U	90 U	450 U	90 U	11 U	220 U	4.5 U	11 U	*	*
	4-Methyl-2-pentanone (MIBK)	**6.3**	4.0 U	40 U	79 U	7.9 U	16 U	79 U	16 U	2.0 U	40 U	0.79 U	2.0 U	*	*
	Bromodichloromethane	**0.91 I**	2.6 U	26 U	52 U	5.2 U	10 U	52 U	10 U	1.3 U	26 U	0.52 U	1.3 U	0.6	60
	Dibromochloromethane	**0.56 I**	2.2 U	22 U	44 U	4.4 U	8.8 U	44 U	8.8 U	1.1 U	22 U	0.44 U	1.1 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	**11**	35 U	69 U	6.9 U	14 U	69 U	14 U	1.7 U	34 U	0.69 U	1.7 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	2.9 U	29 U	58 U	5.8 U	12 U	58 U	12 U	1.4 U	29 U	0.58 U	1.4 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

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* - No standard.

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13R													62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7														
	Date Sampled	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.79 I**	1.4 U	**1.1**	**0.77 I**	**0.84 I**									1	100
	Toluene	**0.96 I**	1.4 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	**9.4**	**4.8**	**1.6**	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	2.6 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	1.2 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	1.2 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	1.9 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	1.5 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	1.8 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	1.4 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	1.5 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	**18 I**	20 U	**70**	25 U	**36 I**									6,300	63,000
	4-Isopropyltoluene (Cymene)	**490**	**64**	**1.4**	**0.86 I**	**10**									660	6,600
	Isopropylbenzene (Cumene)	**12**	**14**	**19**	**31**	**26**									0.8	8
	Chloroform	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	9.0 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	5.0 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	1.0 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	1.0 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	1.2 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

2. Well Abandoned

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-14[2]	MW-14R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7-19.7											
	Date Sampled	12/07/12	11/14/14	03/02/15	09/02/15	05/09/16	11/15/16							
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	Toluene	**1.4**	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U						40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U						20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U						20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS						20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS						210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS						2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS						0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS						210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS						0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS						4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS						0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS						280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS						280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS						0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS						14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS						210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS						210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS						5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS						0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS						3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U						12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U						70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U						7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U						3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U						3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U						70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U						100	1,000
	Acetone	**92**	5.0 U	5.0 U	5.0 U	**6.5** I	10 U						6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,900**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U						0.8	8
	Chloroform	**5.8**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U						*	*
	4-Methyl-2-pentanone (MIBK)	**2.5** I	0.79 U	0.79 U	0.79 U	0.79 U	5.0 U						*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U						0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U						0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U						10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-15													62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7														
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	10 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	**7.2**	**4.7**	**0.88 I**	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U									*	*
	Bromodichloromethane	**1.3**	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.44	0.44 U	0.44 U	0.44 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.9** I	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/12/21	11/09/21	03/02/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	09/03/15	05/10/16	11/14/16	06/27/16	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20	02/11/21	11/08/21		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	**2.4** I	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50	Shaded bold result denotes concentration exceeding a GCTL
100	Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18									MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7									9.7-19.7				
	Date Sampled	03/02/23	02/09/24								09/03/15				
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U								0.71 U			1	100
	Toluene	0.72 U	0.72 U								0.72 U			40	400
	Ethylbenzene	0.69 U	0.69 U								0.69 U			30	300
	Xylenes, total	1.3 U	1.3 U								1.3 U			20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U								0.60 U			20	200
	Acenaphthene	NS	NS								NS			20	200
	Acenaphthylene	NS	NS								NS			210	2,100
	Anthracene	NS	NS								NS			2,100	21,000
	Benzo(a)anthracene	NS	NS								NS			0.05	5
	Benzo(a)pyrene	NS	NS								NS			0.2	20
	Benzo(b)fluoranthene	NS	NS								NS			0.05	5
	Benzo(ghi)perylene	NS	NS								NS			210	2,100
	Benzo(k)fluoranthene	NS	NS								NS			0.5	50
	Chrysene	NS	NS								NS			4.8	480
	Dibenz(ah)anthracene	NS	NS								NS			0.005	0.5
	Fluoranthene	NS	NS								NS			280	2,800
	Fluorene	NS	NS								NS			280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS								NS			0.05	5
	Naphthalene	NS	NS								NS			14	140
	1-Methyl Naphthalene	NS	NS								NS			28	280
	2-Methyl Naphthalene	NS	NS								NS			28	280
	Phenanthrene	NS	NS								NS			210	2,100
	Pyrene	NS	NS								NS			210	2,100
	TRPH[1]	NS	NS								NS			5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS								NS			0.02	2
	1,2-Dichloroethane	NS	NS								NS			3	300
OTHER	Chloroethane	0.98 U	0.98 U								0.98 U			12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U								0.62 U			70	700
	1,1-Dichloroethene	0.94 U	0.94 U								0.94 U			7	700
	Tetrachloroethene	0.76 U	0.76 U								0.76 U			3	300
	Trichloroethene	0.89 U	0.89 U								0.89 U			3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U								0.80 U			200	2,000
	Vinyl Chloride	0.71 U	0.71 U								0.71 U			1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U								0.53 U			70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U								0.73 U			100	1,000
	Acetone	25 U	25 U								5.0 U			6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U								0.80 U			660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U								0.67 U			0.8	8
	Chloroform	0.80 U	0.80 U								0.80 U			70	700
	2-Butanone (MEK)	4.5 U	4.5 U								4.5 U			*	*
	4-Methyl-2-pentanone (MIBK)	5.0 U	NA								0.79 U			*	*
	Bromodichloromethane	0.52 U	0.52 U								0.52 U			0.6	60
	Dibromochloromethane	0.44 U	0.44 U								0.44 U			0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U								0.69 U			10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U								0.58 U			10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-20				MW-21								62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7				9.7-19.7									
	Date Sampled	09/03/15	05/09/16	11/14/16		09/03/15									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U		0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U		1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U		0.60 U								20	200
	Acenaphthene	NS	NS	NS		NS								20	200
	Acenaphthylene	NS	NS	NS		NS								210	2,100
	Anthracene	NS	NS	NS		NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS		NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS		NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS		NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS		NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS		NS								0.5	50
	Chrysene	NS	NS	NS		NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS		NS								0.005	0.5
	Fluoranthene	NS	NS	NS		NS								280	2,800
	Fluorene	NS	NS	NS		NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS		NS								0.05	5
	Naphthalene	NS	NS	NS		NS								14	140
	1-Methyl Naphthalene	NS	NS	NS		NS								28	280
	2-Methyl Naphthalene	NS	NS	NS		NS								28	280
	Phenanthrene	NS	NS	NS		NS								210	2,100
	Pyrene	NS	NS	NS		NS								210	2,100
	TRPH[1]	NS	NS	NS		NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS		NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS		NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U		0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U		0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U		0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U		0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U		0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U		0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U		0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U		0.73 U								100	1,000
	Acetone	5.0 U	**8.3** I	10 U		5.0 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U		0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U		0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U		0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U		4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U		0.79 U								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U		0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U		0.44 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U		0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-22												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration
	Screened Interval	9.7-19.7													
	Date Sampled	05/20/21	11/08/21	03/01/23	02/07/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758
Facility Address: 2501 West Orange Avenue, Apopka, Florida

Results= µg/L
NS= Not sampled
ND= Not detected

	Sample Location	MW-1R							MW-2R								62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1							10.1-20.1									
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24				
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs		0.0	0.0						0.0	0.0							
	Limonene	ND			ND	ND	ND		ND			ND	ND	ND				
	Ethanol	ND			ND	15 I J3	ND		ND			ND	11 I J3	ND				
	Isopropyl alcohol	ND			ND	6.3 I V	ND		ND			ND	5.9 I V	ND				
	Isobutyl alcohol	ND			ND	25 I	ND		ND			ND	170	ND				
	trans-1,4-Dichloro-2-butene	ND			ND	2.6	ND		ND			ND	ND	ND				
	Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	ND			ND	ND	ND		ND			ND	65 N	ND				
	Cyclohexane, 3-methyl-6-(1-methylethyl)-	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, endo-	ND			ND	ND	ND		ND			ND	12 N	ND				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-	ND			ND	6.8 N	ND		ND			ND	ND	14 N				
	1-Methyl-4-(1-methylethyl)-cyclohexane	ND			ND	ND	ND		ND			ND	18 N	ND				
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	ND			ND	100 N	18 N		N			ND	23 N	880 N				
	1-Methyl-4-(1-methylethyl)-cyc	30 N			ND	ND	ND		ND			17 N	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	330 N			ND	ND	ND		510 N			ND	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	8.4 N			ND	ND	ND		ND			ND	ND	ND				
	Tert-amyl methyl ether	ND			ND	ND	ND		ND			ND	ND	ND				
	Methyl methacrylate	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentane, methyl-	7.9 N			5.3 N	ND	ND		ND			63 N	ND	51 N				
	Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	ND			ND	ND	ND		ND			ND	ND	10 N				
	Furan, tetrahydro-2,2-dimethyl	13 N			6.3 N	ND	ND		ND			ND	ND	ND				
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-	ND			ND	11 N	11 N		ND			ND	ND	ND				
	Octane, 2, 6-dimethyl-	16 N			ND	ND	ND		ND			5.0 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-	ND			ND	ND	ND		650 N			170 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methyleth	ND			ND	ND	ND		ND			ND	ND	370 N				
	Eucalyptol	ND			ND	ND	ND		600 N			140 N	ND	ND				
	L-Fenchone	ND			42 N	ND	ND		1300 N			270 N	ND	ND				
	Camphor	ND			ND	ND	ND		ND			92 N	ND	ND				
	Carbon Dioxide	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, decamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, octamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Sulfur Dioxide	ND			ND	ND	23 N		ND			ND	ND	29 N				
	(1R)-2,6,6-trimethylbicyclo[3.1.1]hept-2-ene	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	(+)-2-Bornanone	ND			ND	ND	ND		ND			ND	ND	300 N				
	Hexane	ND			ND	ND	ND		ND			35 N	10	ND				
	Nonane, 3-methyl-	ND			ND	ND	ND		ND			ND	ND	ND				

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-17										MW-5R					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7										9.7-19.7						
	Date Sampled	01/22/20	08/03/20	02/11/21	11/08/21	03/01/23	02/09/24					01/23/20	08/03/20	02/11/21	11/08/21	03/02/23		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0						0.0	0.0	0.0			
	Limonene					ND						ND				ND		
	Isopropyl alcohol					4.8 I V												
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						85 N				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-					ND						ND				16 N		
	Cyclopentane, methyl-					ND						ND				ND		
	Furan, tetrahydro-2,2-dimethyl					ND						ND				ND		
	Isopropyl alcohol					ND						ND				3.9 I V		
	Tert-amyl methyl ether					0.98 I						ND				1.0 I		
	Methyl methacrylate					0.79 I						ND				ND		
	Octane, 2, 6-dimethyl-					ND						ND				ND		
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						17 N				ND		
	Eucalyptol					ND						ND				ND		
	L-Fenchone					ND						ND				ND		
	Carbon Dioxide					ND						ND				ND		
	Cyclopentasiloxane, decamet…					ND						ND				ND		
	Cyclopentasiloxane, octamet…					ND						ND				ND		
	Nonane, 3-methyl-					ND						ND				ND		

	Sample Location	MW-5R		MW-6R						MW-7R							62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7		9.7-19.7						9.7-19.7								
	Date Sampled	02/09/24		1/22-24/20	8/3-8/4/20	2/11-2/12/21	02/28/23	02/07/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs			NS	NS	NS				0.0	0.0	0.0	0.0					
	Limonene	ND					ND	ND						ND	ND			
	1-Methyl-4-(1-methylethyl)-cyc	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	29 N					ND	ND						ND	ND			
	Cyclopentane, methyl-	ND					ND	ND						ND	ND			
	Furan, tetrahydro-2,2-dimethyl	ND					ND	ND						ND	ND			
	Isopropyl alcohol	ND					3.8 I V	ND						4.2 I V	ND			
	Tert-amyl methyl ether	ND					0.94 I	ND						1.0 I	ND			
	Methyl methacrylate	ND					1.1 I	ND						ND	ND			
	Octane, 2, 6-dimethyl-	ND					ND	ND						ND	ND			
	7-Oxabicyclo[2.2.1]heptane, 1-	ND					ND	ND						ND	ND			
	Eucalyptol	ND					ND	ND						ND	ND			
	L-Fenchone	ND					ND	ND						ND	ND			
	Carbon Dioxide	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, decamet…	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, octamet…	ND					ND	ND						ND	ND			
	Sulfur Dioxide	11 N					ND	17 N						ND	13 N			
	Nonane, 3-methyl-	ND					ND	ND						ND	ND			

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-8D-R			MW-9R						MW-10R			MW-12R			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	30.1-35.1			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/22/20	08/03/20	02/11/21	11/08/21	02/28/23	02/07/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/23/20	08/03/20	02/11/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS	0.0	0.0	0.0			0.0	NS	NS	NS	0.0	0.0	0.0		
	D-Limonene							ND	ND									
	Ethanol							ND	ND									
	Isobutyl alcohol							ND	ND									
	Isopropyl alcohol							ND	6.1 IV									
	(+)-2-Bornanone							ND	ND									
	1-Methyl-4-(1-methylethyl)-cyclohexane							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (01)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (02)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-							ND	ND									
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethylidene)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-							ND	ND									
	Cyclopentane, methyl-							ND	ND									
	Furan, tetrahydro-2,2-dimethyl							ND	ND									
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-							ND	ND									
	Octane, 2, 6-dimethyl-							ND	ND									
	7-Oxabicyclo[2.2.1]heptane, 1-							ND	ND									
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-							ND	ND									
	Eucalyptol							ND	ND									
	L-Fenchone							43 N	ND									
	Camphor							ND	ND									
	Carbon Dioxide							ND	ND									
	Cyclopentasiloxane, decamet…							ND	ND									
	Cyclopentasiloxane, octamet…							ND	ND									
	Nonane, 3-methyl-							ND	ND									

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-12R			MW-13R						MW-14R			MW-15			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	11/08/21	03/02/23	02/08/24	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	1/22-24/2020	8/3-8/4/20	2/11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0				0.0					NS	NS	NS	NS	NS	NS		
	Limonene		ND	ND	ND		39 N	ND	ND	ND								
	Ethanol		3.9 I J3	ND	ND			ND	47 I J3	ND								
	Isopropyl alcohol		3.0 I V	ND	ND			ND	ND	ND								
	Isobutyl alcohol		ND	ND	ND			ND	40 I	ND								
	(+)-2-Bornanone		ND	ND	ND			ND	82 N	ND								
	Tert-amyl methyl ether		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyc		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyclohexane		ND	ND	110 N			ND	50 N	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (01)		ND	ND	800 N			400 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (02)		ND	ND	470 N			91 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-		ND	ND	ND			ND	1300 N	1100 N								
	Bicyclo[2.2.1]heptan-2-one,1,7,7-trimethyl-(1S)-		ND	ND	ND			ND	ND	93 N								
	Bicyclo[2.2.1]heptane,2,2,3-trimethyl-		ND	ND	ND			ND	ND	12 N								
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-		ND	ND	ND			ND	32 N	ND								
	Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)-		ND	ND	ND			ND	ND	25 N								
	Cyclohexane,1-methyl-4-(1-methylethylidene)-		ND	ND	ND			45 N	ND	ND								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-		ND	ND	ND			ND	100 N	99 N								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, cis-		ND	ND	ND			ND	ND	180 N								
	Cyclopentane, methyl-		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-		ND	ND	ND			ND	64 N	ND								
	Napthalene,decahydro-1,8a-dimethyl-7-(1-methylethyl)-,[1R		ND	ND	ND			ND	ND	11 N								
	Octane, 2, 6-dimethyl-		ND	ND	ND			ND	ND	21 N								
	7-Oxabicyclo[2.2.1]heptane, 1-		ND	ND	230 N			ND	ND	ND								
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-		ND	ND	ND			ND	30 N	ND								
	7-Oxabicyclo[2.2.1]heptane,1-methyl-4-(1-methylethyl)-		ND	ND	ND			ND	ND	11 N								
	Eucalyptol		ND	ND	1100 N			320 N	260 N	ND								
	L-Fenchone		ND	ND	700 N			250 N	ND	ND								
	Camphor		ND	ND	ND			150 N	ND	ND								
	Carbon Dioxide		ND	ND	67 N			ND	ND	ND								
	Sulfur Dioxide		ND	7.0 N	ND			ND	ND	15 N								
	Cyclopentasiloxane, decamet…		ND	ND	250 N			ND	ND	ND								
	Cyclopentasiloxane, octamet…		ND	ND	430 N			ND	ND	ND								
	Nonane, 3-methyl-		ND	ND	32 N			ND	ND	ND								

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-16						MW-18						MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7						9.7-19.7						9.7-19.7				
	Date Sampled	01/23/20	08/04/20	02/12/21	11/09/21	03/02/23	02/09/24	01/22/20	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24	1/22-24/20	8/3-8/4/20	11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	NS	NS	NS		
	Limonene					ND						ND						
	2-Methyl-2-propanol					ND						ND						
	Ethanol					5.7 I J3						ND						
	Isopropyl alcohol					2.8 I V						4.9 I V						
	Tert-amyl methyl ether					ND						1.1 I						
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND						
	Cyclopentane, methyl-					ND						ND						
	Furan, tetrahydro-2,2-dimethyl					ND						ND						
	Octane, 2, 6-dimethyl-					ND						ND						
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						ND						
	Eucalyptol					ND						ND						
	L-Fenchone					ND						ND						
	Carbon Dioxide					ND						ND						
	Cyclopentasiloxane, decamet…					ND						ND						
	Cyclopentasiloxane, octamet…					ND						ND						
	Nonane, 3-methyl-					ND						ND						

	Sample Location	MW-20					MW-21					MW-22					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7					9.7-19.7					9.7-19.7						
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21			1/22-24/20	8/3-8/4/20	2/11-2/12/21			05/20/21	11/08/21	03/01/23	02/07/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS			NS	NS	NS			0.0	0.0		0.0			
	Limonene													ND				
	2-Methyl-2-propanol													100				
	1-Methyl-4-(1-methylethyl)-cyc													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)													ND				
	Cyclopentane, methyl-													ND				
	Furan, tetrahydro-2,2-dimethyl													ND				
	Octane, 2, 6-dimethyl-													ND				
	7-Oxabicyclo[2.2.1]heptane, 1-													ND				
	Eucalyptol													ND				
	L-Fenchone													ND				
	Carbon Dioxide													ND				
	Cyclopentasiloxane, decamet…													ND				
	Cyclopentasiloxane, octamet…													ND				
	Nonane, 3-methyl-													ND				

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).

U= Compound was analyzed for but not detected.

N= Presumptive evidence of presence of material.

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

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April 25, 2019

Ms. Ruth Rauenzahn,
Orange County Environmental Division
3165 McCrory Place, Suite 200
Orlando, Florida 32803

Subject: **UST Closure Assessment Report**
The Coca Cola Company
2651 Orange Ave, Apopka
Orange County, Florida
Wood Project No.: 6121-17-0478.06

Dear Ms. Rauenzahn,

Introduction

Wood Environment & Infrastructure Solutions, Inc. (Wood) was authorized by Coca-Cola Company, to implement underground storage tank (UST) closure activities at the above referenced facility. This report documents the field activities and analytical results for soil and groundwater samples collected between the dates of March 26th and April 11th, 2019. The fieldwork completed was conducted under the guidelines of Chapters 62-761 and 62-780, of the Florida Administrative Code (FAC).

A site map is included as **Figure 1**, The area of concern (AOC) is included as **Figure 2**.

The following tasks were performed and completed under this authorization by Wood:

- A limited environmental closure was performed, including soil and groundwater sampling along with the cleaning of one (1) single-wall steel 550-gallon abandoned underground storage tank (UST), which was encountered and excavated during new site construction by The Coca Cola Company contractor. Based on visual observance of residual liquid in the tank, the tank was used for waste oil storage.

Historical Background

While conducting onsite clearing and grading activities for construction purposes, an onsite contractor (O'Neal Construction) encountered an abandoned 550-gallon UST that was pulled from the work area with an excavator. The encountered UST was immediately staged to the side of the pit it was pulled from and was covered to prevent contamination of soils from the contents in the tank. The contractor continued to excavate soil from the pit and staged it to the side where it could be classified for future use. Approximately 67 gallons of oily water and 43 gallons of sludge was identified in the bottom of the UST and would need to be removed prior to the transportation and proper disposal of the UST carcass.

The Coca-Cola Company Submitted an Incident Notification Form on March 22, 2019. A copy of the form is included in **Appendix H**.

Closure Activities

Prior to performing field work, a Health and Safety Plan was prepared by Wood, copy attached as **Appendix A**.

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Closure Assessment Soil Screening

Wood mobilized to the site on March 26, 2019 to conduct initial UST closure activities. Upon removal of the UST, visual observation of surface staining was observed. The onsite contractor staged the removed surface material (with slight odor) to the side of the pit for further classification and usage recommendations.

With the observance of surface staining, closure sampling was conducted. Soil screening samples were collected from all four sides of the excavations (north, south, east, west) and the bottom, along with the soil stockpile, using a hand auger. Locations are as shown on **Figure 3**.

Prior to analyzing the soil headspace samples, using a photo-ionization detector (PID), the instrument was calibrated in the field with isobutylene gas.

Of the 19 samples collected (**Table 1**), only one of the samples had PID readings exceeding 10 parts per million (ppm). The sample with the highest PID reading was from North (Wall) location, Sample 2 at 8-ft bls, at 13.8 ppm. Soil staining was observed below the initial surface material and was removed and staged outside of the pit.

Closure Assessment Confirmatory Soil Sampling and Analysis

Six soil samples were collected; one for the classification of the soil stockpile outside of the pit and five samples from the tank pit.

The samples were sealed, labeled, placed in an ice filled cooler under chain of custody and hand delivered Xenco Laboratories in Tampa, Florida for analysis by United States Environmental Protection Agency (USEPA) Method 8260 volatiles, Method 8270 polycyclic aromatic hydrocarbons, Method 8081 organochlorine pesticides, Method A8082 polychlorinated biphenyls, Method 6010 arsenic, cadmium, chromium, and lead, and total recoverable petroleum hydrocarbons by FL-PRO.

The results as tabulated on **Table 2**, indicated low level detectable method analytes in all six samples, however, one (North Wall) of which had an exceedances of soil cleanup target levels (SCTLs) for residential direct exposure for Benzo(a)pyrene (0.100 mg/kg) at a concentration of 0.638 I mg/kg, where "I" is considered an estimate and indicates that the reported value was between the laboratory method detection limit (MDL) and the laboratory practical quantification limit (PQL). Four samples, Bottom, North (Base), Stockpile, and West (8'), had exceedances of the SCTLs for Leachability based on groundwater criteria for Dieldrin (0.00200 mg/kg) of 0.00444I mg/kg, 0.00651I mg/kg, 0.00303I mg/kg, and 0.00904 mg/kg, respectively. Additionally, two samples, North (Base) and Stockpile, had exceedances of the SCTLs for leachability and residential direct exposure for FLPRO (340 mg/kg and 460 mg/kg) of 1410 mg/kg and 547 mg/kg, respectively. The highest detectable concentrations were reported in the samples collected from the base of the north side of the pit and from the stockpile of surface stained soils.

Due to the exceedance of Benzo(a)pyrene, Wood requested Xenco to perform additional analyses by USEPA Method 8270D-SIM PAH on the North (Base) sample to confirm the detections for the Benzo(a)pyrene equivalents compounds from the previous Method 8270D analysis. The Method 8270D-SIM PAH analysis results can provide much lower PQLs and MDLs. The more conservative analysis indicated the detections for Benzo(a)pyrene equivalents compounds remained above the PQL for the confirmation analysis, at a concentration of 0.0216 mg/kg, but were below the threshold for the direct exposure residential limit. The confirmatory sample indicated that none of the collected samples had exceedances of SCTLs for residential direct exposure, except for FLPRO. All the confirmation samples were below the commercial/industrial direct exposure cleanup target levels. Laboratory analytical report is included in **Appendix E**. Due to the exceedance in Residential Direct Exposure and Soil Cleanup Leachability Target Levels from the initial laboratory analysis results, groundwater sampling was warranted. Upon completion of the environmental

assessment (EA), the excavation was backfilled to grade with excavated soils and compacted prior to the installation of a temporary monitoring well.

Groundwater Sampling

Due to the exceedances above the FDEP Residential Direct Exposure Soil Cleanup Target Levels for Benzo(a)pyrene in the North (Base) sample, FL-PRO in the North (Base) and Stockpile samples, and exceedances above the FDEP Soil Cleanup Leachability Based on Groundwater Target Levels for Dieldrin in the Bottom, North (Base), Stockpile, and West (8') samples, a groundwater sample was collected and analyzed.

On April 11, 2019, Wood personnel, along with Environmental Drilling Services Inc. (EDS) mobilized to the site to perform temporary monitoring well installation activities using a Geoprobe 6620DT auger rig. EDS drilled down from the center of the tank pit, **Figure 4**, to an approximate depth of 22 feet below ground surface (ft bgs), staging the soil cuttings on a liner directly south of the tank pit. A Temporary Monitoring Well (TMW-1) was installed in the soil boring. The well was assembled using an approximate length of 15 feet with 2-inch diameter Schedule 40 PVC casing and an appropriate length of 10 feet with 0.606-in slot screen. Then, a 30/65 filter pack was added from 22 ft to 11 ft bgs. Following the installation of TMW-1, the water level in the well was gauged to an approximate depth of 13.90 feet and was developed for 10 minutes using a submersible pump in an attempt to clear the water column. The Wood Well Construction & Development Form is included in **Appendix F**.

A groundwater sample was collected using a peristaltic pump with 0.170-inch diameter tubing and flow through cell to collect field parameters (pH, specific conductance, temperature, dissolved oxygen, oxidation/reduction potential, and turbidity) and color/odor descriptions. Form FD9000-8 Calibration Logs are included in **Appendix F**. A total of approximately 2.16 gallons of water was purged from TMW-1 prior to the collection of a groundwater sample. The groundwater sample was collected in 9 sample containers and the containers were sealed, labeled, placed in an ice filled cooler under chain of custody and hand delivered Xenco Laboratories in Tampa, Florida for analysis by United States Environmental Protection Agency (USEPA) Method 8260 volatiles, Method 8270 polycyclic aromatic hydrocarbons and semi-volatiles, Method 8081 organochlorine pesticides, Method A8082 polychlorinated biphenyls, Method 6010 RCRA metals arsenic, cadmium, chromium, and lead and dissolved metals, and total recoverable petroleum hydrocarbons by FL-PRO.

The results as tabulated on **Table 3**, indicated low level detectable method analytes in the TMW-1 sample for Trichlorofluoromethane at 4.71 micrograms per liter (µg/L), however, the sample did not exceed the groundwater cleanup target levels (GCTLs) of 2100 µg/L. None of the other analytes were detected above the method detection limits. Laboratory analytical report is included in **Appendix B**.

UST Cleaning and Disposal

Wood contracted Handex Consulting and Remediation, LLC (Handex) to remove the tank from the site. Handex subcontracted Petrotech Southeast (Petrotech) to perform the tank cleaning and proper disposal of the tank wash water. Handex and Petrotech mobilized to the site on April 9, 2019 to conduct tank cleaning and removal activities in general accordance with Florida Department of Environmental Protection (FDEP) Chapters 62-762 and 62-780.

Upon arrival on April 9, 2019, approximately 67 gallons of oily water and 43 gallons of sludge was measured in the tank. Petrotech cleaned the interior of the tank and had a vacuum truck remove the 120 gallons of oily water and sludge, a copy of the waste manifest is included as **Appendix C**.

The UST tank was previously removed from the tank pit and was staged and covered with an impermeable

tarp to prevent contamination of the surface soils. The pit was excavated to an approximate depth of 14 feet with approximate lengths and widths of ten feet by eight feet. The soils at the bottom of the excavation were noted as moist.

The tank was visually observed and photographed, and except for some damage observed during removal the outer shell of the tank was intact. The tank was transported off-site, by Handex, and was disposed of at the TRC America Demolition Services LLC Scrap Metal Recycling facility in Apopka, Florida. The photographic log of the site area is included as **Appendix D**.

Conclusions and Recommendations

0ne (1) 550-gallon abandoned tank encountered during new construction activities and was cleaned and properly disposed. A visual inspection of the tank post-excavation indicated no anomalies or breaches to the exterior shell. During the removal a puncture in the tank was made by the onsite contractor's excavator. The tank was properly cleaned and disposed. Confirmation samples were collected from the soil and groundwater of the tank pit under the guidelines of Chapters 62-761 and 62-780, of the Florida Administrative Code (FAC). Photographs of the sampling locations are included in **Appendix D.**

The laboratory results of the soil sampling indicated that exceedances in SCTLs for leachability based on groundwater criteria for Dieldrin and exceedances of the SCTLs for leachability and residential direct exposure for FLPRO yielded additional groundwater confirmation sampling. However, all the confirmation samples were below the SCTLs for commercial/industrial direct exposure. The laboratory results for the groundwater samples indicated that the TMW-1 sample was below the GCTLs for all of the analytes.

Based on the over-all field observations and analytical data obtained during these closure activities, Wood recommends that a letter of No Further Action be granted.

If you have any questions or comments regarding this letter report or any information contained herein please feel free to contact either of us.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.

Andrew Hooper, PE
Senior Project Manager
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Construction Manager
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FDEP Central District Office
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Orlando, Fl 32803-3767

Lori Osterling, CSP
TCCC EHSS Director

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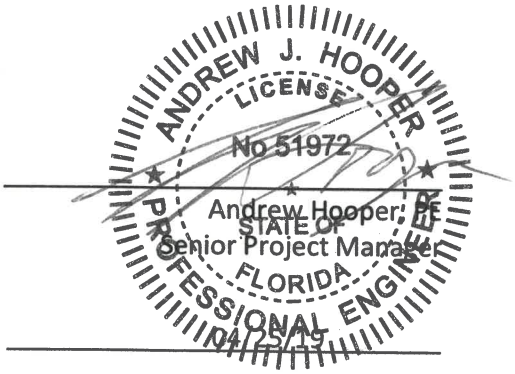
Figure 1. Site Location Map
Figure 2. Site Location Map – UST Tank Closure & Removal
Figure 3. Soil Sample Locations and Analytical Results
Figure 4. Groundwater Sample Location and Analytical Results

Appendices

Appendix A FDEP Forms; Storage Tank System Installation and Removal, Incident Notification Form, Storage Tank Registration Form, Discharge Reporting Form
Appendix B Site Specific Health and Safety Plan
Appendix C Laboratory Analytical Data – Soils
Appendix D Wood Forms; Well Construction & Development Form; Calibration Logs
Appendix E Laboratory Analytical Data – Groundwater
Appendix F Disposal Manifests
Appendix G Photographs

PROFESSIONAL CERTIFICATION

The technical contents of this Underground Storage Tank (UST) Closure Report dated April 25, 2019 for the Coca Cola Apopka site; represents our professional interpretations arrived at in accordance with generally accepted practices. The findings and results of this report are for the sole use and benefit of the Florida Department of Environmental Protection. Use of this report by other parties is at their risk and Wood Environment & Infrastructure Solutions, Inc. is not liable for consequences or damages extending there from. No warranties are implied or intended. I certify this report has been produced by me and Wood staff under my supervision.



Andrew Hooper, PE
Senior Project Manager

Date

TABLES

TABLE 1. SOIL SCREENING SUMMARY

Facility Name: TCCC; Apopka, FL

All results in parts per million (ppm)

SAMPLE				PID SCREENING RESULTS	COMMENTS
LOCATION	DATE COLLATED	SAMPLE DEPTH (FBLT)[1]	DEPTH TO WATER (FBLT)[1]	TOTAL READING (ppm)	
East	3/26/2019	2	>14	0.1	Fine to course sand (Laboratory Sample)
	3/26/2019	4	>14	0.0	Fine to course sand
	3/26/2019	6	>14	0.0	Fine to course sand
	3/26/2019	8*	>14	0.0	Fine to course sand
South	3/26/2019	2	>14	0.0	Fine to course sand
	3/26/2019	4	>14	0.0	Fine to course sand
	3/26/2019	6	>14	0.0	Fine to course sand
	3/26/2019	8*	>14	0.0	Fine to course sand (Laboratory Sample)
West	3/26/2019	2	>14	0.2	Fine to course sand
	3/26/2019	4	>14	1.0	Fine to course sand
	3/26/2019	6	>14	0.6	Fine to course sand
	3/26/2019	8	>14	1.3	Fine to course sand (Laboratory Sample)
	3/26/2019	10*	>14	1.1	Fine to course sand
North	3/26/2019	2	>14	0.1	Fine to course sand
	3/26/2019	4	>14	0.0	Fine to course sand
	3/26/2019	6	>14	0.0	Fine to course sand
	3/26/2019	8*	>14	13.8	Fine to course sand (Laboratory Sample)
Bottom	3/26/2019	0	>14	0.2	Fine to course sand (Laboratory Sample)
Soil Stockpile	3/26/2019	N/A	>14	0.2	Fine to course sand (Laboratory Sample)

Table 2: Soil Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in mg/kg (ppm)

				Sample Name	**BOTTOM**	**EAST (2')**	**NORTH (Base)**	**SOUTH (Base)**	**STOCKPILE**	**WEST (8')**
				Sample Collection Date	**03/26/2019**	**03/26/2019**	**03/26/2019**	**03/26/2019**	**03/26/2019**	**03/26/2019**
				Sample Depth (feet)	**10**	**8**	**8**	**8**	**N/A**	**8**
				PID Readings (ppm)	**0.2**	**0**	**13.8**	**0**	**0.2**	**1.3**
EPA Method	**Parameter**	**FDEP Soil Cleanup Target Level (SCTL) Leachability Based on Groundwater Criteria**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Residential**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Industrial/Commercial**						
EPA 6010	Arsenic	NA	2.10	12.0	0.392 U	0.366 U	0.434 U	0.426 U	0.355 U	0.431 U
	Cadmium	7.50	82.0	1700	**0.337 I**	0.206 U	**0.654 I**	0.240 U	**0.214 I**	0.243 U
	Chromium	38.0	310	470	**5.90**	**0.393 I**	**9.74**	**0.280 I**	**2.24**	**4.00**
	Lead	NA	400	1400	**6.68**	**1.16 I**	**37.3**	0.478 U	**11.3**	**10.1**
8081	4,4-DDD	NA	NA	NA	0.00160 U	0.00160 U	0.00418 U	0.00158 U	0.00387 U	0.00160 U
	4,4-DDE	NA	NA	NA	0.00346 U	0.00346 U	0.00904 U	0.00342 U	0.00836 U	0.00345 U
	4,4-DDT	NA	NA	NA	0.000527 U	0.000526 U	0.00138 U	0.000521 U	0.00127 U	0.000526 U
	Aldrin	0.200	0.0600	0.300	0.000753 U	0.000752 U	0.00197 U	0.000745 U	0.00182 U	0.000752 U
	Alpha-BHC	0.000300	0.100	0.600	0.00141 U	0.00141 U	0.00369 U	0.00140 U	0.00341 U	0.00141 U
	Alpha-Chlordane	NA	NA	NA	0.00118 U	0.00118 U	**0.0127 I**	0.00117 U	0.00286 U	**0.0102**
	Beta-BHC	0.00100	0.500	2.40	0.000983 U	0.000982 U	0.00257 U	0.000973 U	0.00238 U	0.000982 U
	Delta-BHC	0.200	24.0	490	0.00346 U J	0.00346 U J	0.00904 U J	0.00342 U J	0.00836 U J	0.00345 U J
	Dieldrin	0.00200	0.0600	0.300	**0.00444 I**	0.000351 U	**0.00651 I**	0.000348 U	**0.00303 I**	**0.00904**
	Endosulfan I	NA	NA	NA	0.000419 U	0.000419 U	0.00109 U	0.000414 U	0.00101 U	0.000418 U
	Endosulfan II	NA	NA	NA	0.000773 U	0.000772 U	0.00202 U	0.000764 U	0.00187 U	0.000772 U
	Endosulfan Sulfate	NA	NA	NA	0.000573 U	0.000572 U	0.00150 U	0.000566 U	0.00138 U	0.000572 U
	Endrin	1.00	25.0	510	0.000604 U	0.000603 U	0.00158 U	0.000597 U	0.00146 U	0.000603 U
	Endrin Aldehyde	NA	NA	NA	0.000513 U	0.000513 U	0.00134 U	0.000508 U	0.00124 U	0.000513 U
	Endrin Ketone	NA	NA	NA	0.000749 U	0.000748 U	0.00196 U	0.000741 U	0.00181 U	0.000748 U
	Gamma-BHC (Lindane)	0.00900	0.700	2.50	0.000911 U	0.000910 U	0.00238 U	0.000901 U	0.00220 U	0.000909 U
	Gamma-Chlordane	NA	NA	NA	**0.00202 I**	0.00158 U	**0.0276**	0.00157 U	**0.00571 I**	**0.0253**
	Heptachlor	23.0	0.200	1.00	0.00117 U	0.00117 U	0.00305 U	0.00115 U	0.00282 U	**0.0285**
	Heptachlor Epoxide	0.600	0.100	0.500	0.000508 U	0.000508 U	0.00133 U	0.000503 U	0.00123 U	**0.00186 I**
	Methoxychlor	160	420	8800	0.00105 U	0.00105 U	0.00275 U	0.00104 U	0.00254 U	0.00105 U
	Chlordane	9.60	2.80	14.0	**0.0496 U I**	0.0496 U	**0.130 U I**	0.0491 U	0.120 U	**0.120 I**
	Toxaphene	31.0	0.900	4.50	0.0235 U	0.0235 U	0.0614 U	0.0232 U	0.0568 U	0.0235 U
8260	Acrolein	0.0100	0.0500	0.300	0.00277 U	0.00254 U	0.00283 U	0.00237 U	0.00289 U	0.00229 U
	Acrylonitrile	0.000300	0.300	0.600	0.00312 U J	0.00286 U J	0.00318 U J	0.00267 U J	0.00325 U J	0.00257 U J
	Benzene	0.00700	1.20	1.70	0.000320 U	0.000294 U	0.000326 U	0.000274 U	0.000334 U	0.000265 U
	Bromodichloromethane	0.00400	1.50	2.20	0.000313 U	0.000287 U	0.000319 U	0.000268 U	0.000326 U	0.000258 U
	Bromoform	0.0300	48.0	93.0	0.000599 U	0.000549 U	0.000610 U	0.000512 U	0.000624 U	0.000495 U
	Methyl bromide	0.0500	3.10	16.0	0.000156 U	0.000143 U	0.000159 U	0.000134 U	0.000163 U	0.000129 U
	Carbon Tetrachloride	0.0400	0.500	0.700	0.000464 U	0.000425 U	0.000472 U	0.000396 U	0.000483 U	0.000383 U
	Chlorobenzene	1.30	120	650	0.000362 U	0.000332 U	0.000369 U	0.000309 U	0.000377 U	0.000299 U
	Chloroethane	0.0600	3.90	5.40	0.00152 U	0.00140 U	0.00155 U	0.00130 U	0.00159 U	0.00126 U
	2-Chloroethyl Vinyl Ether	NA	NA	NA	0.000467 U J	0.000428 U J	0.000475 U J	0.000399 U J	0.000486 U J	0.000385 U J
	Chloroform	0.400	0.400	0.600	0.000463 U	0.000425 U	0.000472 U	0.000396 U	0.000482 U	0.000382 U
	Methyl Chloride	0.0100	4.00	5.70	0.00144 U	0.00132 U	0.00146 U	0.00123 U	0.00150 U	0.00119 U
	Dibromochloromethane	0.00300	1.50	2.30	0.000621 U	0.000569 U	0.000633 U	0.000531 U	0.000646 U	0.000513 U
	1,2-Dichloroethane	0.0100	0.500	0.700	0.000373 U	0.000342 U	0.000380 U	0.000319 U	0.000388 U	0.000308 U
	1,1-Dichloroethane	0.400	390	2100	0.000501 U	0.000459 U	0.000510 U	0.000428 U	0.000522 U	0.000414 U
	trans-1,2-dichloroethylene	0.700	53.0	290	0.000487 U	0.000447 U	0.000496 U	0.000417 U	0.000507 U	0.000402 U
	cis-1,2-Dichloroethylene	0.400	33.0	180	0.000131 U	0.000120 U	0.000134 U	0.000112 U	0.000137 U	0.000108 U
	1,1-Dichloroethene	0.0600	95.0	510	0.000725 U	0.000665 U	0.000738 U	0.000620 U	0.000754 U	0.000598 U
	1,2-Dichloropropane	0.0300	0.600	0.900	0.000580 U	0.000532 U	0.000591 U	0.000496 U	0.000604 U	0.000479 U
	trans-1,3-dichloropropene	NA	NA	NA	0.000419 U	0.000384 U	0.000426 U	0.000358 U	0.000436 U	0.000346 U
	cis-1,3-Dichloropropene	NA	NA	NA	0.0000625 U	0.0000573 U	0.0000636 U	0.0000534 U	0.0000650 U	0.0000516 U
	Ethylbenzene	0.600	1500	9200	0.000353 U	0.000324 U	0.000360 U	0.000302 U	0.000367 U	0.000291 U
	Methylene Chloride	0.0200	17.0	26.0	0.00135 U	0.00124 U	0.00137 U	0.00115 U	0.00140 U	0.00111 U
	MTBE	0.0900	4400	24000	0.000433 U	0.000397 U	0.000441 U	0.000370 U	0.000451 U	0.000357 U
	1,1,2,2-Tetrachloroethane	0.00100	0.700	1.20	0.000743 U	0.000682 U	0.000757 U	0.000636 U	0.000774 U	0.000614 U
	Tetrachloroethylene	0.0300	8.80	18.0	0.0000937 U	0.0000859 U	0.0000955 U	0.0000801 U	0.0000976 U	0.0000774 U
	Toluene	0.500	7500	60000	0.000367 U	0.000337 U	0.000374 U	0.000314 U	0.000382 U	0.000303 U
	1,1,2-Trichloroethane	0.0300	1.40	2.00	0.000419 U	0.000384 U	0.000426 U	0.000358 U	0.000436 U	0.000346 U
	1,1,1-Trichloroethane	NA	NA	NA	0.000470 U	0.000431 U	0.000479 U	0.000402 U	0.000490 U	0.000388 U
	Trichloroethylene	0.0300	6.40	9.30	0.000442 U	0.000405 U	0.000450 U	0.000378 U	0.000460 U	0.000365 U
	Trichlorofluoromethane	33.0	270	1500	0.00219 U	0.00201 U	0.00223 U	0.00187 U	0.00228 U	0.00181 U
	Vinyl Chloride	0.00700	0.200	0.800	0.00126 U	0.00115 U	0.00128 U	0.00107 U	0.00131 U	0.00104 U
	o-Xylene	NA	NA	NA	0.000447 U	0.000410 U	0.000456 U	0.000382 U	0.000466 U	0.000369 U
	m,p-Xylenes	NA	NA	NA	0.000756 U	0.000693 U	0.000770 U	0.000646 U	0.000787 U	0.000624 U

Table 2: Soil Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in mg/kg (ppm)

				Sample Name	BOTTOM	EAST (2')	NORTH (Base)	SOUTH (Base)	STOCKPILE	WEST (8')
				Sample Collection Date	03/26/2019	03/26/2019	03/26/2019	03/26/2019	03/26/2019	03/26/2019
				Sample Depth (feet)	10	8	8	8	N/A	8
				PID Readings (ppm)	0.2	0	13.8	0	0.2	1.3
EPA Method	**Parameter**	**FDEP Soil Cleanup Target Level (SCTL) Leachability Based on Groundwater Criteria**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Residential**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Industrial/Commercial**						
8270D[1]	1,2,4-Trichlorobenzene	5.30	660	8500	0.0150 U	0.0151 U	0.0788 U	0.0149 U	0.0728 U	0.0150 U
	1,2-Dichlorobenzene	17.0	880	5000	0.0159 U	0.0159 U	0.0834 U	0.0158 U	0.0771 U	0.0159 U
	Azobenzene	0.0300	7.90	31.0	0.0180 U	0.0180 U	0.0943 U	0.0178 U	0.0872 U	0.0180 U
	1,3-Dichlorobenzene	7.00	380	2200	0.0144 U	0.0144 U	0.0753 U	0.0142 U	0.0696 U	0.0144 U
	1,4-Dichlorobenzene	2.20	6.40	9.90	0.0155 U	0.0155 U	0.0812 U	0.0153 U	0.0751 U	0.0155 U
	1-Methylnaphthalene	3.10	200	1800	0.0276 U	0.0277 U	**0.255 I**	0.0274 U	**0.463 I**	0.0276 U
	2,4,6-Trichlorophenol	0.0600	70.0	230	0.0163 U	0.0163 U	0.0855 U	0.0161 U	0.0790 U	0.0163 U
	2,4-Dichlorophenol	0.00300	190	2400	0.0181 U	0.0181 U	0.0946 U	0.0179 U	0.0874 U	0.0181 U
	2,4-Dimethylphenol	1.70	1300	18000	0.0171 U	0.0171 U	0.0893 U	0.0169 U	0.0826 U	0.0171 U
	2,4-Dinitrophenol	0.0600	110	1200	0.0251 U	0.0251 U	0.131 U	0.0248 U	0.121 U	0.0251 U
	2,4-Dinitrotoluene	0.000400	1.20	4.30	0.0132 U	0.0132 U	0.0691 U	0.0131 U	0.0639 U	0.0132 U
	2,6-Dinitrotoluene	0.000400	1.20	3.80	0.0241 U	0.0241 U	0.126 U	0.0239 U	0.117 U	0.0241 U
	2-Chloronaphthalene	260	5000	61000	0.0301 U	0.0301 U	0.158 U	0.0298 U	0.146 U	0.0301 U
	2-Chlorophenol	0.700	130	860	0.0164 U	0.0164 U	0.0857 U	0.0162 U	0.0792 U	0.0164 U
	2-Methylnaphthalene	8.50	210	2100	0.0468 U	0.0468 U	**0.344 I**	0.0463 U	**0.662 I**	0.0468 U
	2-Nitrophenol	NA	NA	NA	0.0152 U	0.0152 U	0.0795 U	0.0150 U	0.0735 U	0.0152 U
	3,3-Dichlorobenzidine	0.00300	2.10	9.90	0.0159 U	0.0160 U	0.0835 U	0.0158 U	0.0772 U	0.0159 U
	4,6-dinitro-2-methyl phenol	0.400	8.40	180	0.0132 U	0.0132 U	0.0690 U	0.0130 U	0.0638 U	0.0132 U
	4-Bromophenyl-phenylether	NA	NA	NA	0.0137 U	0.0138 U	0.0719 U	0.0136 U	0.0665 U	0.0137 U
	4-chloro-3-methylphenol	0.400	600	8000	0.0191 U	0.0191 U	0.0999 U	0.0189 U	0.0923 U	0.0191 U
	4-Chlorophenyl Phenyl Ether	NA	NA	NA	0.0168 U	0.0168 U	0.0878 U	0.0166 U	0.0812 U	0.0168 U
	4-Nitrophenol	0.300	560	7900	0.0268 U	0.0268 U	0.140 U	0.0265 U	0.130 U	0.0268 U
	Acenaphthene	2.10	2400	20000	0.0161 U	0.0161 U	0.0841 U	0.0159 U	0.0778 U	0.0161 U
	Acenaphthylene	27.0	1800	20000	**0.0180 I**	0.0153 U	0.0801 U	0.0151 U	0.0741 U	0.0153 U
	Anthracene	2500	21000	300000	0.0143 U	0.0143 U	**0.125 I**	0.0142 U	0.0693 U	0.0143 U
	Benzidine	0.0000200	0.00400	0.0200	0.0125 U	0.0125 U	0.0656 U	0.0124 U	0.0607 U	0.0125 U
	Benzo(a)anthracene	0.800	NA	NA	**0.0221 I**	0.0146 U	**0.562 I**	0.0144 U	0.0706 U	**0.0166 I**
8270D[2]	Benzo(a)anthracene	0.800	NA	NA	N/A	N/A	**0.0190**	N/A	N/A	N/A
8270D[1]	Benzo(a)pyrene	8.00	0.100	0.700	**0.0300 I**	0.0178 U	**0.638 I**	0.0176 U	0.0863 U	0.0178 U
8270D[2]	Benzo(a)pyrene	8.00	0.100	0.700	N/A	N/A	**0.0216**	N/A	N/A	N/A
8270D[1]	Benzo(b)fluoranthene	2.40	NA	NA	**0.0276 I**	0.0130 U	**0.680 I**	0.0129 U	0.0630 U	**0.0231 I**
8270D[2]	Benzo(b)fluoranthene	2.40	NA	NA	N/A	N/A	**0.0322**	N/A	N/A	N/A
8270D[1]	Benzo(g,h,i)perylene	32000	2500	52000	**0.0287 I**	0.0159 U	**0.486 I**	0.0157 U	0.0770 U	**0.0186 I**
	Benzo(k)fluoranthene	24.0	NA	NA	**0.0211 I**	0.0201 U	**0.425 I**	0.0198 U	0.0971 U	0.0201 U
8270D[2]	Benzo(k)fluoranthene	24.0	NA	NA	N/A	N/A	0.0145 U	N/A	N/A	N/A
8270D[1]	Benzyl Butyl Phthalate	310	17000	380000	0.0188 U	0.0188 U	0.0985 U	0.0186 U	0.0910 U	0.0188 U
	bis(2-chloroethoxy) methane	63.0	250	5700	0.0174 U	0.0174 U	0.0912 U	0.0172 U	0.0843 U	0.0174 U
	bis(2-chloroethyl) ether	0.000100	0.300	0.500	0.0157 U	0.0158 U	0.0824 U	0.0156 U	0.0762 U	0.0157 U
	bis(2-chloroisopropyl) ether	0.00900	6.00	12.0	0.0184 U	0.0184 U	0.0965 U	0.0182 U	0.0892 U	0.0184 U
	bis(2-ethylhexyl) phthalate	3600	72.0	390	0.173 U	0.173 U	0.904 U	0.171 U	0.836 U	0.173 U
	Chrysene	77.0	NA	NA	**0.0245 I**	0.0171 U	**0.608 I**	0.0169 U	0.0829 U	0.0171 U
8270D[2]	Chrysene	77.0	NA	NA	N/A	N/A	**0.0247**	N/A	N/A	N/A
8270D[1]	Dibenz(a,h)anthracene	0.700	NA	NA	0.0131 U	0.0132 U	0.0688 U	0.0130 U	0.0636 U	0.0131 U
8270D[2]	Dibenz(a,h)Anthracene	0.700	NA	NA	N/A	N/A	0.0144 U	N/A	N/A	N/A
8270D[1]	Diethylphthalate	86.0	61000	NA	0.0158 U	0.0159 U	0.0830 U	0.0157 U	0.0767 U	0.0158 U
	Dimethyl Phthalate	380	690000	NA	0.0164 U	0.0165 U	0.0861 U	0.0163 U	0.0796 U	0.0164 U
	Di-n-butylphthalate	47.0	8200	170000	0.0166 U	0.0166 U	0.0870 U	0.0164 U	0.0805 U	0.0166 U
	di-n-Octyl Phthalate	480000	1700	39000	0.0137 U	0.0138 U	**0.103 I**	0.0136 U	0.0666 U	0.0137 U
	Fluoranthene	1200	3200	59000	**0.0166 I**	0.0152 U	**1.40**	0.0151 U	0.0737 U	**0.0255 I**
	Fluorene	160	2600	33000	0.0143 U	0.0143 U	0.0751 U	0.0142 U	0.0694 U	0.0143 U
	Hexachlorobenzene	2.20	0.400	1.20	0.0168 U	0.0168 U	0.0880 U	0.0166 U	0.0813 U	0.0168 U
	Hexachlorobutadiene	1.00	6.20	13.0	0.0143 U	0.0143 U	0.0751 U	0.0142 U	0.0694 U	0.0143 U
	Hexachlorocyclopentadiene	400	9.50	50.0	0.0157 U	0.0158 U	0.0825 U	0.0156 U	0.0763 U	0.0157 U
	Hexachloroethane	0.200	38.0	87.0	0.0179 U	0.0179 U	0.0937 U	0.0177 U	0.0867 U	0.0179 U
	Indeno(1,2,3-c,d)Pyrene	6.60	NA	NA	**0.0224 I**	0.0139 U	**0.420 I**	0.0138 U	0.0674 U	**0.0145 I**
8270D[2]	Indeno(1,2,3-c,d)Pyrene	6.60	NA	NA	N/A	N/A	**0.0223**	N/A	N/A	N/A
8270D[1]	Isophorone	0.200	540	1200	0.0150 U	0.0150 U	0.0787 U	0.0149 U	0.0728 U	0.0150 U
	Naphthalene	1.20	55.0	300	0.0162 U	0.0162 U	0.0847 U	0.0160 U	0.0783 U	0.0162 U
	Nitrobenzene	0.0200	18.0	140	0.0191 U	0.0192 U	0.100 U	0.0189 U	0.0927 U	0.0191 U
	N-Nitrosodimethylamine	0.00000300	0.00900	0.0200	0.0173 U	0.0174 U	0.0909 U	0.0172 U	0.0840 U	0.0173 U
	N-Nitrosodi-n-Propylamine	0.0000500	0.0800	0.200	0.0180 U	0.0180 U	0.0943 U	0.0178 U	0.0872 U	0.0180 U
	N-Nitrosodiphenylamine	0.400	180	730	0.0193 U	0.0193 U	0.101 U	0.0191 U	0.0934 U	0.0193 U
	Pentachlorophenol	0.0300	7.20	28.0	0.0126 U	0.0126 U	0.0658 U	0.0124 U	0.0608 U	0.0126 U
	Phenanthrene	250	2200	36000	0.0172 U	0.0172 U	**0.785 I**	0.0170 U	**0.139 I**	0.0172 U
	Phenol	0.0500	500	220000	0.0155 U	0.0155 U	0.0812 U	0.0153 U	0.0751 U	0.0155 U
	Pyrene	880	2400	45000	**0.0249 I**	0.0151 U	**1.24**	0.0150 U	0.0732 U	**0.0269 I**

Table 2: Soil Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in mg/kg (ppm)

				Sample Name	BOTTOM	EAST (2')	NORTH (Base)	SOUTH (Base)	STOCKPILE	WEST (8')
				Sample Collection Date	03/26/2019	03/26/2019	03/26/2019	03/26/2019	03/26/2019	03/26/2019
				Sample Depth (feet)	10	8	8	8	N/A	8
				PID Readings (ppm)	0.2	0	13.8	0	0.2	1.3
EPA Method	**Parameter**	**FDEP Soil Cleanup Target Level (SCTL) Leachability Based on Groundwater Criteria**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Residential**	**FDEP Soil Cleanup Target Level (SCTL) Direct Exposure Industrial/Commercial**						
8082	PCB-1016	NA	NA	NA	0.00332 U	0.00331 U	0.00867 U	0.00328 U	0.00802 U	0.00331 U
	PCB-1221	NA	NA	NA	0.00285 U	0.00284 U	0.00744 U	0.00282 U	0.00688 U	0.00284 U
	PCB-1232	NA	NA	NA	0.00177 U	0.00177 U	0.00463 U	0.00175 U	0.00428 U	0.00177 U
	PCB-1242	NA	NA	NA	0.00285 U	0.00284 U	0.00744 U	0.00282 U	0.00688 U	0.00284 U
	PCB-1248	NA	NA	NA	0.00250 U	0.00250 U	0.00653 U	0.00247 U	0.00604 U	0.00249 U
	PCB-1254	NA	NA	NA	0.00232 U	0.00232 U	0.00606 U	0.00229 U	0.00560 U	0.00231 U
	PCB-1260	NA	NA	NA	0.00161 U	0.00160 U	0.00419 U	0.00159 U	0.00388 U	0.00160 U
	PCB-1262	NA	NA	NA	**0.107 E**	**0.0346 U E**	N/A	N/A	**0.119 E**	**0.102 E**
FDEP FL-PRO	FLPRO (C8-C40) Range	340	460	2700	**221**	**6.16 I**	**1410**	**13.1**	**547**	**109**
SM18 2540 G Percent Moisture		NA	NA	NA	**3.57**	**3.56**	**7.90**	**2.49**	**0.410**	**3.54**

Concentrations in **Bold** indicate the value is above laboratory minimum detection limit
FDEP: Florida Department of Environmental Protection
Value is above the FDEP Soil Cleanup Leachability based on Groundwater Soil Cleanup Target Level*
Value is above FDEP Residential Direct Exposure Soil Cleanup Target Level*
Value is above FDEP Commercial/ Industrial Direct Exposure Soil Cleanup Target Level*
*Based on FDEP Comparison of Chapter 62-777, F.A.C. - May 26,1999 Value vs. April 15,2005 Values

0.1
10
100

All analytical results were measured in milligrams per killigram (mg/kg)
ppm = parts per million
PID: Photo Ionization Detector
[1]Analysis performed under United States Environmental Protection Agency (USEPA) Method 8270D polycyclic aromatic hydrocarbons (PAHs)
[2] Analysis performed under USEPA Method 8270S-SIM PAHs
Note: "U" Indicates that the compound was analyzed for but not detected at the method detection limit (MDL)
"I" The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL)
"E" Exceeds calibration range
"J" Estimated Value
N/A Not Available

Table 3: Groundwater Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in µg/L

		Sample Name	TMW-1 (Tank Pit)
		Sample Collection Date	04/11/2019
EPA Method	**Parameter**	**FDEP Groundwater and Surface Water Cleanup Target Levels (GCTL) Groundwater Criteria**	
EPA 6010	Arsenic	10.0	5.50 U
	Cadmium	5.00	2.43 U
	Chromium	100	0.811 U
	Lead	15.0	2.37 U
8081	4,4-DDD	0.100	0.0362 U
	4,4-DDE	0.100	0.0371 U
	4,4-DDT	0.100	0.0588 U
	Aldrin	0.00200	0.0364 U
	Alpha-BHC	0.00600	0.0402 U
	Alpha-Chlordane	NA	0.0353 U
	Beta-BHC	0.0200	0.0332 U
	Delta-BHC	2.10	0.0324 U
	Dieldrin	0.00200	0.0352 U
	Endosulfan I	NA	0.0357 U
	Endosulfan II	NA	0.0480 U
	Endosulfan Sulfate	NA	0.0341 U
	Endrin	2.00	0.0498 U
	Endrin Aldehyde	NA	0.0318 U
	Endrin Ketone	NA	0.0356 U
	Gamma-BHC (Lindane)	0.200	0.0407 U
	Gamma-Chlordane	NA	0.0351 U
	Heptachlor	0.400	0.0426 U
	Heptachlor Epoxide	0.200	0.0363 U
	Methoxychlor	40.0	0.0543 U
	Chlordane	2.00	0.516 U
	Toxaphene	3.00	0.385 U
8260	Acrolein	3.50	0.373 U
	Acrylonitrile	0.0600	0.490 U
	Benzene	1.00	0.160 U
	Bromodichloromethane	0.600	0.250 U
	Bromoform	4.40	0.170 U
	Bromomethane	9.80	0.250 U
	Carbon Tetrachloride	3.00	0.330 U
	Chlorobenzene	100	0.150 U
	Chloroethane	12.0	0.250 U J
	Chloroform	70.0	0.160 U
	Chloromethane	2.70	0.250 U
	Dibromochloromethane	0.400	0.150 U
	1,1-Dichloroethane	70.0	0.110 U
	1,2-Dichloroethane	3.00	0.180 U
	1,1-Dichloroethene	7.00	0.200 U
	cis-1,2-Dichloroethene	70.0	0.210 U
	trans-1,2-dichloroethene	100	0.210 U
	1,2-Dichloropropane	5.00	0.150 U
	cis-1,3-Dichloropropene	NA	0.100 U
	trans-1,3-dichloropropene	NA	0.110 U
	Ethylbenzene	30.0	0.190 U
	Methylene Chloride	5.00	0.420 U
	MTBE	20.0	0.180 U
	1,1,2,2-Tetrachloroethane	0.200	0.180 U
	Tetrachloroethylene	3.00	0.160 U
	Toluene	40.0	0.140 U
	1,1,1-Trichloroethane	200	0.160 U
	1,1,2-Trichloroethane	5.00	0.250 U
	Trichloroethene	3.00	0.190 U
	Trichlorofluoromethane	2100	**4.71**
	o-Xylene	20.0	0.200 U
	m,p-Xylenes	20.0	0.510 U
	Vinyl Chloride	1.00	0.190 U
	Total Xylenes	20.0	0.200 U

Table 3: Groundwater Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in µg/L

		Sample Name	TMW-1 (Tank Pit)
		Sample Collection Date	04/11/2019
EPA Method	**Parameter**	**FDEP Groundwater and Surface Water Cleanup Target Levels (GCTL) Groundwater Criteria**	
8270	1,2,4-Trichlorobenzene	70.0	0.929 U
	1,2-Dichlorobenzene	600	1.00 U
	Azobenzene	0.300	0.920 U
	1,3-Dichlorobenzene	210	0.926 U
	1,4-Dichlorobenzene	75.0	0.947 U
	2,4,6-Trichlorophenol	3.20	1.09 U
	2,4-Dichlorophenol	0.300	1.00 U
	2,4-Dimethylphenol	140	0.860 U
	2,4-Dinitrophenol	14.0	0.869 U
	2,4-Dinitrotoluene	0.0500	0.767 U
	2,6-Dinitrotoluene	0.0500	0.974 U
	2-Chloronaphthalene	560	1.01 U
	2-Chlorophenol	35.0	1.04 U
	2-Nitrophenol	NA	1.03 U
	3,3-Dichlorobenzidine	0.0800	0.549 U
	4,6-dinitro-2-methyl phenol	NA	0.696 U
	4-Bromophenyl-phenylether	NA	0.980 U
	4-chloro-3-methylphenol	63.0	0.950 U
	4-Chlorophenyl Phenyl Ether	NA	1.03 U
	4-Nitrophenol	56.0	0.387 U
	Acenaphthylene	210	0.986 U
	Benzidine	0.000200	0.767 U J
	Benzo(k)fluoranthene	0.500	0.585 U
	Benzyl Butyl Phthalate	140	0.405 U
	bis(2-chloroethoxy) methane	NA	1.07 U
	bis(2-chloroethyl) ether	0.0300	1.02 U
	bis(2-chloroisopropyl) ether	0.500	1.09 U
	bis(2-ethylhexyl) phthalate	6.00	0.441 U
	Diethyl Phthalate	5600	0.911 U
	Dimethyl Phthalate	70000	0.968 U
	di-n-Butyl Phthalate	700	0.510 U
	di-n-Octyl Phthalate	140	0.408 U
	Hexachlorobenzene	1.00	0.902 U
	Hexachlorobutadiene	0.400	0.989 U
	Hexachlorocyclopentadiene	50.0	0.495 U
	Hexachloroethane	2.50	1.03 U
	Isophorone	37.0	1.02 U
	Naphthalene	14.0	0.977 U
	Nitrobenzene	3.50	1.02 U
	N-Nitrosodimethylamine	0.000700	0.738 U
	N-Nitrosodi-n-Propylamine	0.00500	1.04 U
	N-Nitrosodiphenylamine	7.10	0.983 U
	Pentachlorophenol	1.00	0.522 U
	Phenol	10.0	0.525 U
	Pyrene	210	0.468 U
8270/PAH Low Level	1-Methylnaphthalene	28.0	0.500 U
	2-Methylnaphthalene	28.0	0.500 U
	Acenaphthene	20.0	0.300 U
	Acenaphthylene	210	0.300 U
	Anthracene	2100	0.300 U
	Benzo(a)anthracene	0.0500	0.0500 U
	Benzo(a)pyrene	0.200	0.0500 U
	Benzo(b)fluoranthene	0.0500	0.0500 U
	Benzo(g,h,i)perylene	210	0.300 U
	Benzo(k)fluoranthene	0.500	0.0500 U
	Chrysene	4.80	0.300 U
	Dibenz(a,h)anthracene	0.00500	0.0500 U
	Fluoranthene	280	0.0500 U
	Fluorene	280	0.500 U
	Indeno(1,2,3-c,d)Pyrene	0.0500	0.0500 U
	Naphthalene	14.0	0.500 U
	Phenanthrene	210	0.300 U
	Pyrene	210	0.100 U

Table 3: Groundwater Analytical Summary

Facility Name - TCCC-APOPKA, Florida

Analytical Results in µg/L

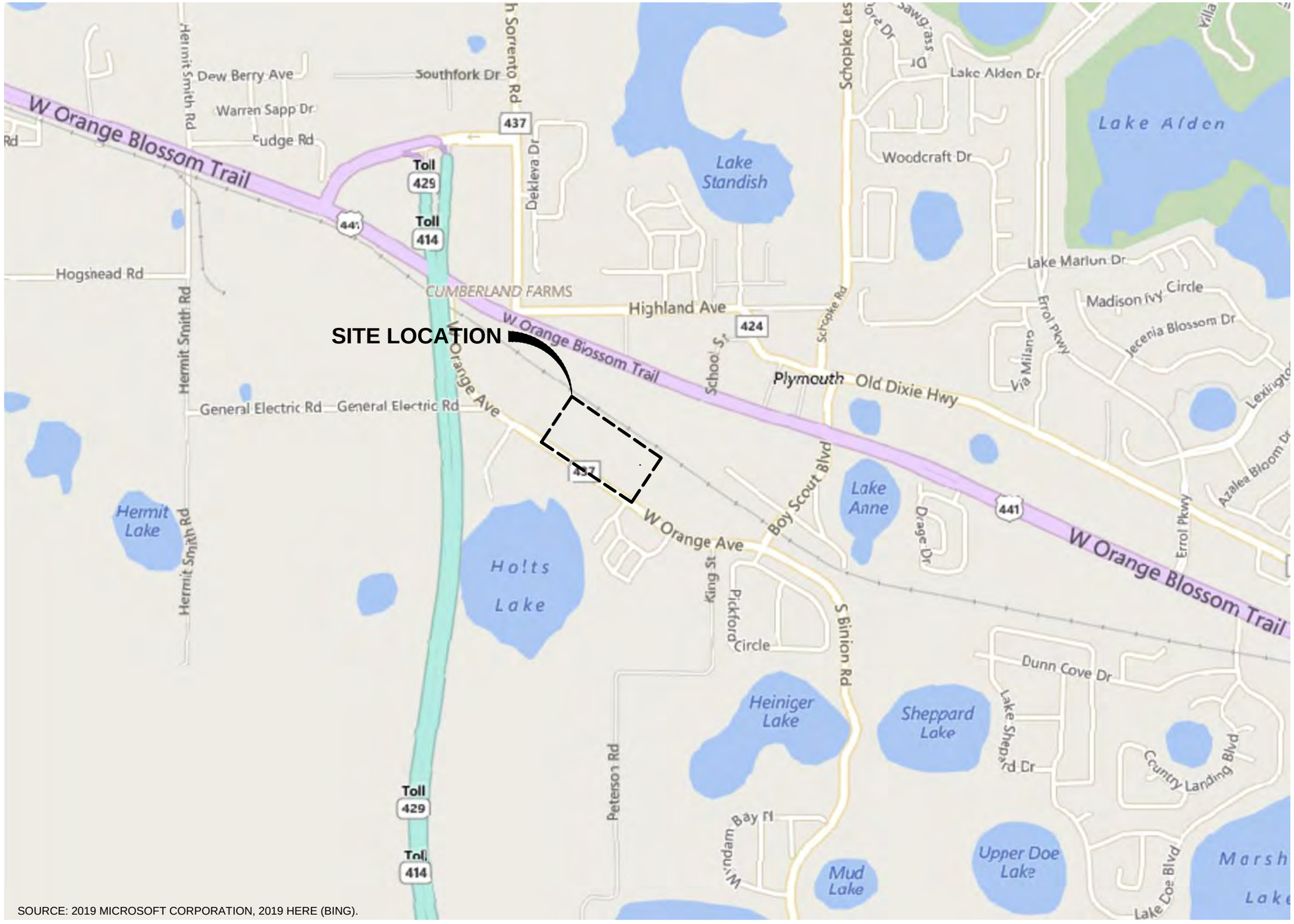
		Sample Name	TMW-1 (Tank Pit)
		Sample Collection Date	04/11/2019
EPA Method	**Parameter**	**FDEP Groundwater and Surface Water Cleanup Target Levels (GCTL) Groundwater Criteria**	
8082	PCB-1016	NA	0.0600 U
	PCB-1221	NA	0.0362 U
	PCB-1232	NA	0.0211 U
	PCB-1242	NA	0.0181 U
	PCB-1248	NA	0.0214 U
	PCB-1254	NA	0.0211 U
	PCB-1260	NA	0.0450 U
FDEP FL-PRO	FLPRO (C8-C40) Range	5000	340 U

Concentrations in **Bold** indicate the value is above laboratory minimum detection limit
FDEP: Florida Department of Environmental Protection
Value is above the FDEP Groundwater Cleanup Target Level*
*Based on FDEP Comparison of Chapter 62-777, F.A.C. - May 26,1999 Value vs. April 15,2005 Values

0.1

All analytical results were measured in microgram per liter (µg/L)
Note: "U" Indicates that the compound was analyzed for but not detected at the method detection limit (MDL)
limit (PQL)
"J" Estimated Value
N/A Not Available

FIGURES



LEGEND

APPROXIMATE SITE LOCATION



SOURCE: 2019 MICROSOFT CORPORATION, 2019 HERE (BING).

DATE	REVISIONS

wood.
Environment & Infrastructure Solutions, Inc.
1101 Channelside Drive, Suite 200, Tampa, FL 33602
Phone: 1.813.289.0750 Fax: 1.813.289.5474
www.woodplc.com CA-5392

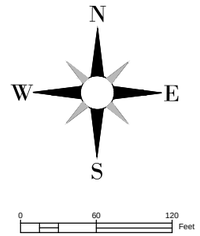
DESIGNED BY:	B. CLARK	SCALE:	AS SHOWN
DRAWN BY:	M. VIVES	DATE:	4/17/2019
CHECKED BY:	S. JANN	PROJECT NO.	6121170478X06
APPROVED BY:	B. CLARK		

COCA COLA COMPANY

FIGURE 1
SITE LOCATION MAP
UST TANK CLOSURE & REMOVAL
APOPKA FACILITY
ORANGE COUNTY, FLORIDA

PROJECT NUMBER: 6121170478X06 CITY: TAMPA
Z:\PROJECTS-C3D\6121170478 TCCC-Apopka\2019\April_2019\6121170478x06_Coca Cola_Apopka USTC.dwg LAYOUT: FIGURE 1 SAVED: 4/22/2019 10:06 AM PLOTSTYLETABLE: CIVIL-MASTER.CTB PLOTTED: 4/22/2019 10:08 AM DRAWN BY: VIVES, MARTIN





LEGEND

AREA OF CONCERN

DATE	REVISIONS

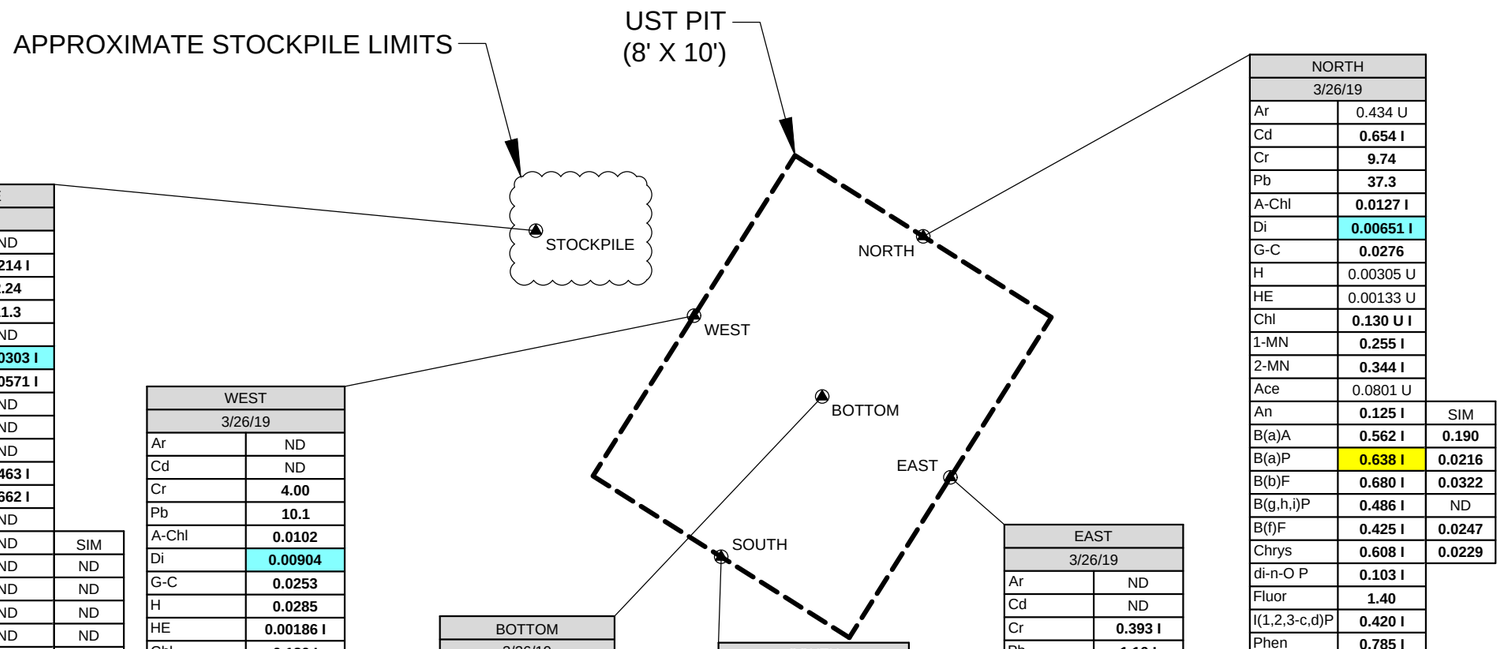
wood.
Environment & Infrastructure Solutions, Inc.
1101 Channelside Drive, Suite 200, Tampa, FL 33602
Phone: 1.813.289.0750 Fax: 1.813.289.5474
www.woodplc.com CA-5392

DESIGNED BY:	B. CLARK	SCALE:	AS SHOWN
DRAWN BY:	M. VIVES	DATE:	4/17/2019
CHECKED BY:	S. JANN	PROJECT NO.	6121170478X06
APPROVED BY:	B. CLARK		

COCA COLA COMPANY

FIGURE 2
SITE LOCATION MAP
UST TANK CLOSURE & REMOVAL
APOPKA FACILITY
ORANGE COUNTY, FLORIDA

PROJECT NUMBER: 6121170478X06 CITY: TAMPA
Z:\PROJECTS-C3D\6121170478 TCCC-Apopka\2019\April_2019\6121170478x06_Coca Cola_Apopka USTTC.dwg LAYOUT: FIGURE 2 SAVED: 4/22/2019 10:06 AM PLOTSTYLETABLE: CIVIL-MASTER.CTB PLOTTED: 4/22/2019 10:08 AM DRAWN BY: VIVES, MARTIN



STOCKPILE	
3/26/19	
Ar	ND
Cd	**0.214 I**
Cr	**2.24**
Pb	**11.3**
A-Chl	ND
Di	**0.00303 I**
G-C	**0.00571 I**
H	ND
HE	ND
Chl	ND
1-MN	**0.463 I**
2-MN	**0.662 I**
Ace	ND
An	ND
B(a)A	ND
B(a)P	ND
B(b)F	ND
B(g,h,i)P	ND
B(f)F	ND
Chrys	ND
di-n-O P	ND
Fluor	ND
I(1,2,3-c,d)P	ND
Phen	**0.139 I**
Pyr	ND
PCB	**0.119 E**
FL-PRO	**547**

SIM
ND
ND
ND
ND
ND
ND

WEST	
3/26/19	
Ar	ND
Cd	ND
Cr	**4.00**
Pb	**10.1**
A-Chl	**0.0102**
Di	**0.00904**
G-C	**0.0253**
H	**0.0285**
HE	**0.00186 I**
Chl	**0.120 I**
1-MN	ND
2-MN	ND
Ace	ND
An	ND
B(a)A	**0.0166 I**
B(a)P	ND
B(b)F	**0.0231 I**
B(g,h,i)P	**0.0186 I**
B(f)F	ND
Chrys	ND
di-n-O P	ND
Fluor	**0.0255 I**
I(1,2,3-c,d)P	**0.0145 I**
Phen	ND
Pyr	**0.0269 I**
PCB	**0.102 E**
FL-PRO	**109**

SIM
ND
ND
ND
ND
ND
ND

BOTTOM	
3/26/19	
Ar	ND
Cd	**0.337 I**
Cr	**5.90**
Pb	**6.68**
A-Chl	ND
Di	**0.00444 I**
G-C	**0.00202 I**
H	ND
HE	ND
Chl	**0.0496 U I**
1-MN	ND
2-MN	ND
Ace	**0.0180 I**
An	ND
B(a)A	**0.0221 I**
B(a)P	**0.0300 I**
B(b)F	**0.0276 I**
B(g,h,i)P	**0.0287 I**
B(f)F	**0.0211 I**
Chrys	**0.0245 I**
di-n-O P	ND
Fluor	**0.0166 I**
I(1,2,3-c,d)P	**0.0224 I**
Phen	ND
Pyr	**0.0249 I**
PCB	**0.107 E**
FL-PRO	**221**

SIM
ND
ND
ND
ND
ND
ND

SOUTH	
3/26/19	
Ar	ND
Cd	ND
Cr	**0.280 I**
Pb	ND
A-Chl	ND
Di	ND
G-C	ND
H	ND
HE	ND
Chl	ND
1-MN	ND
2-MN	ND
Ace	ND
An	ND
B(a)A	ND
B(a)P	ND
B(b)F	ND
B(g,h,i)P	ND
B(f)F	ND
Chrys	ND
di-n-O P	ND
Fluor	ND
I(1,2,3-c,d)P	ND
Phen	ND
Pyr	ND
PCB	ND
FL-PRO	**13.1**

SIM
ND
ND
ND
ND
ND
ND

EAST	
3/26/19	
Ar	ND
Cd	ND
Cr	**0.393 I**
Pb	**1.16 I**
A-Chl	ND
Di	ND
G-C	ND
H	ND
HE	ND
Chl	ND
1-MN	ND
2-MN	ND
Ace	ND
An	ND
B(a)A	ND
B(a)P	ND
B(b)F	ND
B(g,h,i)P	ND
B(f)F	ND
Chrys	ND
di-n-O P	ND
Fluor	ND
I(1,2,3-c,d)P	ND
Phen	ND
Pyr	ND
PCB	**0.0346 U E**
FL-PRO	**6.16 I**

SIM
ND
0.1
ND
ND
ND
ND

NORTH	
3/26/19	
Ar	0.434 U
Cd	**0.654 I**
Cr	**9.74**
Pb	**37.3**
A-Chl	**0.0127 I**
Di	**0.00651 I**
G-C	**0.0276**
H	0.00305 U
HE	0.00133 U
Chl	**0.130 U I**
1-MN	**0.255 I**
2-MN	**0.344 I**
Ace	0.0801 U
An	**0.125 I**
B(a)A	**0.562 I**
B(a)P	**0.638 I**
B(b)F	**0.680 I**
B(g,h,i)P	**0.486 I**
B(f)F	**0.425 I**
Chrys	**0.608 I**
di-n-O P	**0.103 I**
Fluor	**1.40**
I(1,2,3-c,d)P	**0.420 I**
Phen	**0.785 I**
Pyr	**1.24**
PCB	N/A
FL-PRO	**1410**

SIM
0.190
0.0216
0.0322
ND
0.0247
0.0229

LEGEND

APPROXIMATE SOIL SAMPLE LOCATION

APPROXIMATE PIT LIMITS

FDEP SOIL CLEANUP TARGET LEVELS					
DATE					
CONSTITUENT	ACRONYM	LEACHABILITY	RESIDENTIAL	INDUSTRIAL	UNITS
Arsenic	Ar	NA	2.10	12.0	mg/kg
Cadmium	Cd	7.50	82.0	1700	mg/kg
Chromium	Cr	38.0	310	470	mg/kg
Lead	Pb	NA	400	1400	mg/kg
Alpha-Chlordane	A-Chl	NA	NA	NA	mg/kg
Dieldrin	Di	0.00200	0.0600	0.300	mg/kg
Gamma-Chlordane	G-C	NA	NA	NA	mg/kg
Heptachlor	H	23.0	0.200	1.00	mg/kg
Heptachlor Epoxide	HE	0.600	0.100	0.500	mg/kg
Chlordane	Chl	9.60	2.80	14.0	mg/kg
1-Methylnaphthalene	1-MN	3.10	200	1800	mg/kg
2-Methylnaphthalene	2-MN	8.50	210	2100	mg/kg
Acenaphthylene	Ace	27.0	1800	20000	mg/kg
Anthracene	An	2500	21000	300000	mg/kg
Benzo(a)anthracene	B(a)A	0.800	NA	NA	mg/kg
Benzo(a)pyrene	B(a)P	8.00	0.100	0.700	mg/kg
Benzo(b)fluoranthene	B(b)F	2.40	NA	NA	mg/kg
Benzo(g,h,i)perylene	B(g,h,i)P	32000	2500	52000	mg/kg
Benzo(k)fluoranthene	B(f)F	24.0	NA	NA	mg/kg
Chrysene	Chrys	77.0	NA	NA	mg/kg
di-n-Octyl Phthalate	di-n-O P	480000	1700	39000	mg/kg
Fluoranthene	Fluor	1200	3200	59000	mg/kg
Indeno(1,2,3-c,d)Pyrene	I(1,2,3-c,d)P	6.60	NA	NA	mg/kg
Phenanthrene	Phen	250	2200	36000	mg/kg
Pyrene	Pyr	880	2400	45000	mg/kg
PCB-1262	PCB	NA	NA	NA	mg/kg
FLPRO (C8-C40) Range	FL-PRO	340	460	2700	mg/kg

EXCEDANCES ABOVE RESIDENTIAL TARGET LEVEL

EXCEDANCES ABOVE INDUSTRIAL TARGET LEVEL

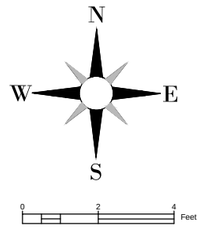
EXCEDANCES ABOVE LEACHABILITY TARGET LEVEL

BOLD - INDICATES VALUES IS ABOVE LABORATORY MINIMUM DETECTION LIMITS

mg/kg - MILLIGRAMS PER KILOGRAMS

E - EXCEEDS CALIBRATION RANGE

I - THE REPORT VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT (MDL) AND THE PRACTICAL QUANTITATION LIMIT (PQL) CALIBRATION RANGE



DATE	REVISIONS

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Environment & Infrastructure Solutions, Inc.
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DESIGNED BY:	B. CLARK
DRAWN BY:	M. VIVES
CHECKED BY:	S. JANN
APPROVED BY:	B. CLARK

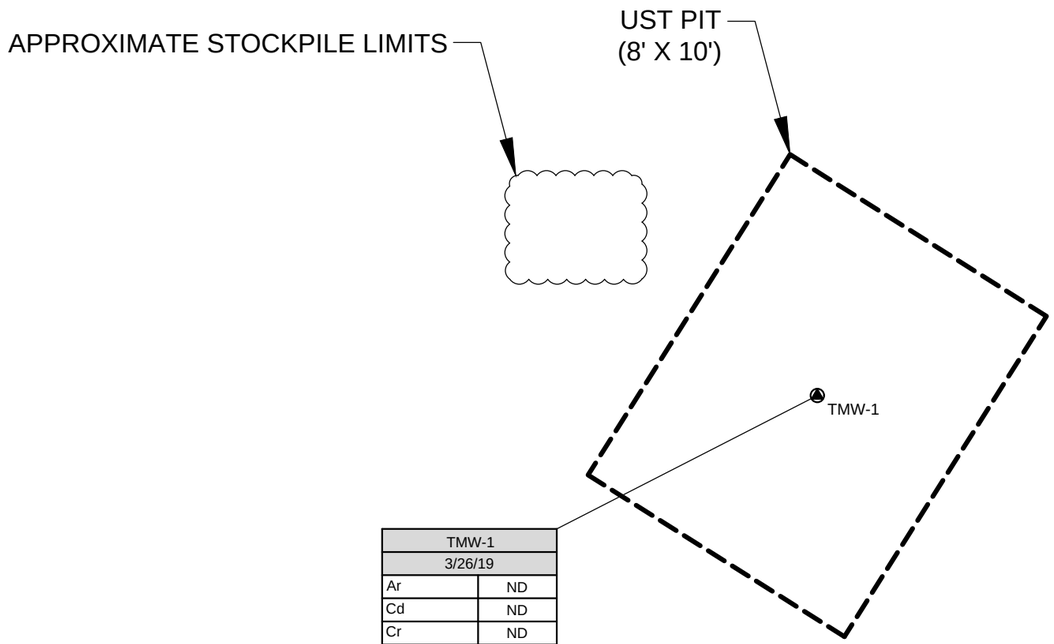
SCALE:	AS SHOWN
DATE:	4/17/2019
PROJECT NO.	6121170478X06

COCA COLA COMPANY

FIGURE 3

SOIL SAMPLE LOCATIONS & ANALYTICAL RESULTS
UST TANK CLOSURE & REMOVAL
APOPKA FACILITY
ORANGE COUNTY, FLORIDA

PROJECT NUMBER: 6121170478X06 CITY: TAMPA
Z:\PROJECTS-C3D\6121170478 TCCC-Apopka\2019\April_2019\6121170478x06_Coca Cola_Apopka USTTC.dwg LAYOUT: FIGURE 3 SAVED: 4/22/2019 10:06 AM PLOTSTYLETABLE: CIVIL-MASTER.CTB PLOTTED: 4/22/2019 10:08 AM DRAWN BY: VIVES, MARTIN



TMW-1	
3/26/19	
Ar	ND
Cd	ND
Cr	ND
Pb	ND
A-Chl	ND
Di	ND
G-C	ND
H	ND
HE	ND
Chl	ND
1-MN	ND
2-MN	ND
Ace	ND
An	ND
B(a)A	ND
B(a)P	ND
B(b)F	ND
B(g,h,i)P	ND
B(f)F	ND
Chrys	ND
di-n-O P	ND
Fluor	ND
I(1,2,3-c,d)P	ND
Phen	ND
Pyr	ND
PCB	ND
FL-PRO	ND

LEGEND

APPROXIMATE SOIL SAMPLE LOCATION

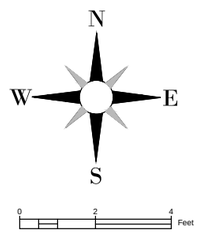
APPROXIMATE PIT LIMITS

FDEP GROUNDWATER CLEANUP TARGET LEVELS			
DATE			
CONSTITUENT	ACRONYM	GCTL	UNITS
Arsenic	Ar	10	µg/kg
Cadmium	Cd	5	µg/kg
Chromium	Cr	100	µg/kg
Lead	Pb	15	µg/kg
Alpha-Chlordane	A-Chl	NA	µg/kg
Dieldrin	Di	.002	µg/kg
Gamma-Chlordane	G-C	NA	µg/kg
Heptachlor	H	0.4	µg/kg
Heptachlor Epoxide	HE	0.2	µg/kg
Chlordane	Chl	2	µg/kg
1-Methylnaphthalene	1-MN	28	µg/kg
2-Methylnaphthalene	2-MN	28	µg/kg
Acenaphthylene	Ace	210	µg/kg
Anthracene	An	2100	µg/kg
Benzo(a)anthracene	B(a)A	0.05	µg/kg
Benzo(a)pyrene	B(a)P	0.2	µg/kg
Benzo(b)fluoranthene	B(b)F	0.05	µg/kg
Benzo(g,h,i)perylene	B(g,h,i)P	210	µg/kg
Benzo(k)fluoranthene	B(f)F	0.5	µg/kg
Chrysene	Chrys	4.8	µg/kg
di-n-Octyl Phthalate	di-n-O P	140	µg/kg
Fluoranthene	Fluor	280	µg/kg
Indeno(1,2,3-c,d)Pyrene	I(1,2,3-c,d)P	0.05	µg/kg
Phenanthrene	Phen	210	µg/kg
Pyrene	Pyr	210	µg/kg
PCB-1262	PCB	NA	µg/kg
FLPRO (C8-C40) Range	FL-PRO	5000	µg/kg

BOLD - INDICATES VALUES IS ABOVE LABORATORY MINIMUM DETECTION LIMITS

µg/L - MICROGRAMS PER LITER

ND - NOT DETECTED



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DESIGNED BY:	B. CLARK	SCALE:	AS SHOWN
DRAWN BY:	M. VIVES	DATE:	4/17/2019
CHECKED BY:	S. JANN	PROJECT NO.	6121170478X06
APPROVED BY:	B. CLARK		

COCA COLA COMPANY

FIGURE 4

GROUNDWATER SAMPLE LOCATION & ANALYTICAL RESULTS
UST TANK CLOSURE & REMOVAL
APOPKA FACILITY
ORANGE COUNTY, FLORIDA

PROJECT NUMBER: 6121170478X06 CITY: TAMPA
Z:\PROJECTS-C3D\6121170478 TCCC-Apopka\2019\April_2019\6121170478X06_Coca Cola_Apopka USTTC.dwg LAYOUT: FIGURE 4 SAVED: 4/22/2019 10:06 AM PLOTSTYLETABLE: CIVIL-MASTER.CTB PLOTTED: 4/22/2019 10:08 AM DRAWN BY: VIVES, MARTIN

APPENDIX A

FDEP Forms; Storage Tank System Installation and Removal, Incident Notification Form, Storage Tank Registration Form, Discharge Reporting Form

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(5)
Form Title: Certified Contractors Form
Effective Date: *Draft Date Pending*
Incorporated in Rule 62-761.400, F.A.C.

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.105, Florida Statutes [Certified Contractor as defined in Rule 62-761.200, Florida Administrative Code (F.A.C.)] shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with the Reference Guidelines in 62-761.210, F.A.C. This includes system components in contact with soil, such as dispenser sumps, piping sumps, and spill containment systems.

General Facility Information

Facility Name: The Coca Cola Company
DEP Facility ID Number: 48/8622618
Street Address (physical location): 2651 Orange Avenue Apopka, Fl
County: Orange
Facility Telephone:
Owner Name:
Owner Telephone:
Owner Address:

Storage Tank System Information

Number of Tanks Installed: None
Number of Tanks Removed: 1
Date Work Initiated: 04-09-2019
Date Work Completed: 04-09-2019
Tank(s) Manufactured by: Unknown
Description of Work Completed

During new building construction, an abandoned 550-gallon single-walled steel tank was discovered. The tank was visual assessed along with the contents believed to be waste oil. The tank was properly excavated, cleaned, transported off site for disposal.

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, F.A.C., and its adopted reference requirements and documents for underground storage tank systems.

(Type or Print)

Peter F. Yanczak	PCC1256839
Certified Pollutant Storage System Contractor Name	PSSC Number (Pollutant Storage System Contractor License #)
Certified Pollutant Storage System Contractor Signature	04/09/2019 Date
Andrew Hooper, PE	04/09/2019
Field Supervisor's Name	Date

The owner or operator of the facility must register a new storage tank system with the Department and submit to tankregistration@floridadep.gov, prior to installation, see Rule 62-761.400, F.A.C. The installer must submit this form to the County* no more than 21 days after the completion of installation, replacement, or 21 days after removal of a storage tank system and system components in accordance with Rule 62-761.400, F.A.C.

**County means a locally administered governmental program under contract with the Department to perform compliance verification activities at facilities with storage tank systems.*

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form 62-761.900(6)
Form Title: Incident Notification Form
Effective Date: January 2017
Incorporated in Rule 62-761.405, F.A.C.

Incident Notification Form

Complete all applicable blanks

Facility ID Number (if registered): unknown
Date of Form Completion: 03/22/2019
Facility Name: The Coca-Cola Co, Apopka R&D
Date of Discovery of Incident: 03/21/2019
Telephone Number: 407-565-2450
County: Orange
Facility Owner or Operator: The Coca-Cola Co
Mailing Address: 2651 Orange Ave, Apopka, FL 32703
Location of Incident (facility street address): 2651 Orange Ave, Apopka, FL 32703

Monitoring method or activity that indicates an incident: (Check all that apply)

- [●] Visual Observation
- [ ] Primary integrity test
- [ ] Interstitial integrity test
- [ ] Containment integrity test
- [ ] Electronic sensors, probes or cables
- [ ] Interstitial monitoring
- [ ] Closure integrity evaluation
- [ ] Tracer or helium testing
- [ ] Closure
- [ ] Line leak detectors
- [ ] Automatic tank gauging
- [ ] Other (specify): _____

Type of regulated substance stored in the storage system: (Check all that apply)

- [ ] Gasoline
- [ ] Diesel
- [ ] Heating oil
- [ ] Kerosene
- [ ] Aviation gas
- [ ] Jet fuel
- [ ] Used/waste oil
- [ ] New motor/lube oil
- [ ] Pesticide
- [ ] Grades 5 & 6 residual oils
- [ ] Mineral acid (ASTs)
- [ ] Ammonia compound [ ] Chlorine compound
- [ ] Biofuel blends
- [●] Unknown
- [ ] Other (specify): _____
- [ ] Hazardous substance (USTs) – write name or Chemical Abstract Service (CAS) #: _____

Incident involves or originated from: (Check all that apply)

A positive response of release detection device:

- [ ] 1. Visual observation
- [ ] 2. Alarm
- [ ] 3. Vacuum or pressure change
- [ ] 4. MLLD restricting flow
- [ ] 5. ELLD/other device shutting power off to pump
- [ ] 6. Liquid>1 inch in out-of-service tank (UST only)

A failed integrity test:

- [ ] 1. Double-walled tank
- [ ] 2. Double-walled piping
- [ ] 3. Containment sump
- [ ] 4. Spill containment system
- [ ] 5. Double bottom AST

Or:

- [ ] 1. Odors in the vicinity
- [ ] 2. Loss > 100 gallons on impervious surface
- [ ] 3. Loss > 500 gallons in AST dike field
- [ ] 4. Unusual operating conditions
- [●] Other (specify): unearthed UST

Cause of the incident, if known: (Check all that apply)

- [ ] Improper installation
- [ ] Material failure (crack, split, etc.)
- [ ] Material incompatibility
- [ ] Faulty probe or sensor
- [ ] Spill/Overfill >100 gallons on impervious surface
- [ ] Spill/Overfill >500 gallons in AST dike field
- [ ] Corrosion
- [ ] Weather
- [ ] Human error
- [ ] Vandalism or theft
- [ ] Unknown
- [●] Other (specify): UST was under foundation

Actions taken in response to the incident:

Work was stopped, the tank covered with a tarp and the area cordoned off. We have commenced investigation to determine if a discharge has occurred.

Comments:

While demolishing an existing building, a previously unknown UST was found under the building's foundation. Less than one inch of liquid is in the bottom of the tank.

Agencies notified (as applicable):

- [ ] Fire Department
- [✓] County Program Orange County
- [ ] District Office _____
- [ ] State Watch Office 800-320-0519
- [ ] National Response Center 800-424-8802

To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

Lori Osterling for Joe Gonzalez
Printed name of Owner, Operator or Authorized Representative

Lori Osterling
Digitally signed by Lori Osterling
Date: 2019.03.22 16:29:16 -04'00'
Signature of Owner, Operator and Authorized Representative

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(2)
Form Title: Storage Tank Facility Registration Form
Effective Date: January 2017
Incorporated in Rule 62-761.400, F.A.C.

Storage Tank Facility Registration Form

Review Registration Instructions Before Completing this Form

Submit this completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please check all that apply: [✓] New Registration [ ] New Owner [ ] New Tanks
[ ] Existing Facility Info Update/Correction [ ] Existing Owner Info Update/Correction [✓] Existing Tank Info Update/Correction

A. FACILITY INFORMATION **County:** Orange **DEP Facility ID:** 488622618

Facility Name: The Coca-Cola Company Apopka
Facility Address: 2651 Orange Ave City: Apopka Zip: 32073
Facility Contact: Joe Gonzalez Business Phone: 404-731-2859
Facility Type(s): "E" Industrial Plant Financial Responsibility Mechanism (choose): [ ] Insurance [ ] Other
24 Hour Emergency Contact: **Emergency Phone:**

B. TANK OWNER INFORMATION: **Identify individual(s) or Business(es) responsible for payment of Registration Fees at the facility location named above**

Company/Individual Name: The Coca-Cola Company Apopka Ownership Effective Date:
Mail Address: 2651 Orange Ave STCM Account Number (if known):
City, State, Zip: Apopka, FL 32073
Contact Person: Joe Gonzalez
Telephone: 404-731-2859 Email Address: joeagonzalez@coca-cola.com

C. PROPERTY OWNER INFORMATION: **Identify individual(s) or entity that if vested with ownership, dominion or legal or rightful title to the real property**

Company/Individual Name: The Coca-Cola Company Ownership Effective Date:
Mail Address:
City, State, Zip:
Contact Person:
Telephone: Email Address:

D. TANK/VESSEL INFORMATION: Complete one row for each storage tank or compression vessel system located at this facility (see Registration Instructions for **codes**)

	Tank ID	T or V	A or U	Capacity	Installation Date	Content Code	Status	Effective Date	Construction	Piping	Monitoring
1	1	T	U	550	Unknown	L	B	04/09/2019	C	X	Y
2											
3											
4											
5											
6											
7											
8											

Certified Contractor (performing UST installation or removal): Peter F Yanczak DBPR License No.: PCC1256839

Facility Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Signature 4-26-19 Date

Jose Gonzalez Printed Name

Group Director Engineering Title

Submit this form to tankregistration@dep.state.fl.us

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(1)
Form Title: Discharge Report Form
Effective Date: January 2017
Incorporated in Rule 62-761.405, F.A.C.

DISCHARGE REPORT FORM

Complete all applicable blanks, and submit copies of any analytical or field test results confirming contamination to soils, surface water, or groundwater to the County via email or mail.

Facility ID Number (If Registered): 488622618 Date of Form Completion: 4/26/19 Date of Discovery: 4/2/19

Facility Name: The Coca Cola Company Apopka County: Orange

Facility (Property) Owner: The Coca-Cola Company Telephone Number: 407-565-2450

Owner Mailing Address: 2651 Orange Ave, Apopka, FL 32703

Location of Discharge (Facility Street Address): 2651 Orange Ave, Apopka, FL 32703 Lat/Long: 28.69028, -81.554797

Date of receipt of any test or analytical results confirming a discharge: 4/2/19 Estimated number of gallons discharged: Unknown

Discharge affected: (Check all that apply)

- [■] Soil
- [ ] Groundwater
- [ ] Soil water (water body name) _____
- [ ] Drinking water well(s)
- [ ] Shoreline
- [ ] Other (specify) _____

Evidence of discharge: (Check all that apply)

- [ ] Visual observation of sheen
- [ ] Visual observation of free product
- [■] Results or receipt of results of analytical tests
- [ ] Spill or vehicle overfill > 25 gallons to a pervious surface
- [ ] Stained soils
- [ ] Other (explain in comments)

Method of discovery and confirmation of discharge: (Check all that apply, see rule language explanation on instructions for this form)

- [ ] Visual observation
- [ ] Groundwater analytical results
- [■] Closure/Closure sampling assessment
- [ ] Soil analytical results
- [ ] Surface water analytical results
- [ ] Other (specify) _____

Type of regulated substance discharged: (Check all that apply)

- [ ] Gasoline
- [ ] Diesel
- [ ] Heating oil
- [ ] Kerosene
- [ ] Aviation gas
- [ ] Jet fuel
- [ ] Used/waste oil
- [ ] New motor/lube oil
- [ ] Pesticide
- [ ] Grade 5 & 6 residual oils
- [ ] Mineral acids (ASTs)
- [ ] Ammonia compound
- [ ] Chlorine compound
- [ ] Biofuel blends
- [■] Unknown
- [ ] Other (specify) _____
- [ ] Hazardous substance (USTs) – write name or Chemical Abstract Service (CAS) #: _____

Discharge originated from a: (Check all that apply)

- [ ] Tank
- [ ] Piping
- [ ] Spill bucket
- [ ] Dispenser
- [ ] Piping sump
- [ ] Dispenser sump
- [ ] Other secondary containment
- [ ] Fitting or pipe connection
- [ ] Valve
- [ ] Tank truck
- [ ] Vehicle or customer vehicle
- [ ] Aircraft
- [ ] Railroad tankcar
- [ ] Barge, tanker ship or other vessel
- [ ] Pipeline
- [ ] Drum
- [ ] Unknown
- [■] Other (specify) Tank Present but origin unknown

Cause of the discharge: (Check all that apply)

- [ ] Spill
- [ ] Overfill
- [ ] Corrosion
- [ ] Puncture
- [ ] Material failure (crack, split, etc.)
- [ ] Material incompatibility
- [ ] Improper installation
- [ ] Loose connection
- [ ] Collision
- [ ] Vehicle accident
- [ ] Fire/explosion
- [ ] Vandalism
- [ ] Weather
- [ ] Human error
- [■] Unknown
- [ ] Other (specify) _____

Actions taken in response to the discharge:

N/A - No physical discharge was observed only low level analytical results.

Comments:

There is no evidence, other than low level analytical results, that a discharge occured.

Agencies notified (as applicable):

- [ ] Fire Department
- [✓] County Program _____
- [ ] District Office _____
- [ ] State Watch Office 800-320-0519
- [ ] National Response Center 800-424-8802

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Jose Gonzalez
Printed Name of Owner, Operator or Authorized Representative

4-26-19
Signature of Owner, Operator or Authorized Representative

APPENDIX B
Site Specific Health and Safety Plan

Wood Short Form HASP

Site: Coca Cola; Apopka, Florida Job/Task Number:
Street Address: 2651 Orange Avenue
Proposed Date(s) of Investigation: March 26, 2019
Prepared by: Siera Jann Date: March 25, 2019
*Approved by: Date:
Site Description: **(attach map)** Excavated area on the facility property. Primarily sandy sediment.
Comments: An old UST was pulled from the site during demolition activities. The material in the UST is known. Field activities include soil sampling from excavation, well installation, and groundwater sampling from a temporary well.

*Approval also serves as certification of a Hazard Assessment as required by 29 CFR 1910.132

Tasks:

Wood	Other contractor	Task Description
☒	☐	Soil and Groundwater Sampling
☐	☐	
☐	☐	
☐	☐	

Dates of Required Training and Medical Surveillance (add additional training topics, as required**):**

Name					
Job duties:	**Field Team Lead**	**Field Representative**			
Names:		**Siera Jann**			
	Dates	**Dates**	**Dates**	**Dates**	**Dates**
Medical Surveillance		December 2018			
40-Hour Initial		February 2017			
8-Hour Supervisor [3]					
8-Hour Refresher		March 2019			
First Aid		2018			
CPR		2018			
Hazard Communication					

[2] At least one worker must be trained in First Aid/CPR and should received Bloodborne Pathogen Training
[3] Required for Field Lead and Site Health and Safety Officer

Known or Suspected Contaminants (include PELs/TLVs):

Contaminants of Concern (COC) (Attach Fact Sheets*)	**Maximum Concentrations**		**PEL/TLV**
	Soil (mg/kg)	**Water/Groundwater (µg/l)**	
Volatiles	Suspected	Suspected	
Semi-volatile	Suspected	Suspected	
RCRA Metals	Suspected	Suspected	

*Workers must be made aware of the signs, symptoms, and first aid for each COC. Information is located on the COC fact sheets.

Air Monitoring Action Levels:

PID/FID Reading[1]	Detector Tube[1]	Dust Meter[1]	LEL[2]/O_2[1]	Action
			>10% LEL	Stop work. Evacuate area. Consider return with ventilation system and spark proof/intrinsically safe equipment.
			<19.5% O_2	Stop work and evacuate area.

[1] Sustained readings measured in the breathing zone

[2] Readings at measured at the source (borehole, well, etc.)

AHAs: Check and attach all that apply (add applicable AHAs not already listed):

Activity Specific AHAs:

☒	Mobilization/Demobilization and Site Preparation
☒	Field Work - General
☐	Field Work - Oversight
☐	Decontamination
☐	Utility Clearance Activities
☒	Groundwater Sampling
☒	Soil Sampling
☐	Drilling Operation
☐	Geoprobe
☐	Excavations and Backfilling
☐	Stream/Wetlands Work

Hazard Specific AHAs:

☒	Insect Stings and Bites
☒	Gasoline/Used Oil
☐	Working with Preservatives (Acids)
☒	Well Installation
☐	
☐	
☐	
☐	
☐	
☐	

HAZARD IDENTIFICATION SUMMARY

Complete the checklist for summarizing the hazards identified in the JHAs

Standard Hazards						
☐ Falling Objects	☒ Slips and trips	☒ Pinch points	☐ Rotating equipment			
☒ Falls	☐ Power equipment/tools	☐ Elevated work surfaces	☐ _____			
Eye Hazards						
☐ Particulates	☐ Liquid splashes	☐ Welding Arc	☐ _____			
Hearing Hazards						
☒ None	☐ Impact noise	☐ High frequency noise	☐ High ambient noise			
Respiratory Hazards						
☒ None	☐ Dust/aerosols/particulates	☐ Organic Vapors	☐ Acid Gases	☐ O_2 deficient	☐ Metals	☐ Asbestos
Chemical Hazards						
☐ None	☐ Organic solvents	☒ Reactive metals	☐ PCBs			
☐ Acids / bases	☐ Oxidizers	☒ Volatiles/Semi-volatiles	☒ Diesel/Gasoline			
Environmental Hazards						
☐ None	☐ Cold Stress	☒ Heat Stress	☐ Wet location	☒ Bio hazards (snakes, insects, spiders, poisonous plants, etc.)		
☐ Explosive vapors	☐ Confined space	☐ Engulfment Hazard	☐ _____			

Electrical Hazards				
☒ None	☐ Energized equipment or circuits	☐ Overhead utilities	☐ Underground utilities	☐ Wet location

Fire Hazards			
☒ None	☐ Cutting, welding, or grinding generated sparks or heat sources	☐ Flammable materials present	☐ Oxygen enriched location

Ergonomic Hazards					
☒ Lifting	☒ Bending	☒ Twisting	☐ Pulling/tugging	☒ Repetitive motion	☐ Carrying
Computer Use in the: ☒ Office ☐ Field			☐ _____	☐ _____	

Radiological Hazards						
☒ None	☐ Alpha	☐ Beta	☐ Gamma/X-rays	☐ Neutron	☐ Radon	☐ Non-Ionizing

Other Hazards
☐

PPE and Monitoring Instruments

Initial Level of PPE *			
☒ Level D	☐ Modified Level D	☐ Level C	* Cannot use Short Form HASP for Level B or A work

Standard PPE					
☒ Hard Hat	☒ Safety boots	☒ Safety glasses	☐ Chem. Resistant Boots	☒ High visibility vest	☐ Other:____

Eye and Face Protection			
☐ Face shield	☐ Vented goggles	☐ Unvented goggles	☐ Indirect vented goggles

Hearing Protection			
☐ Ear plugs	☐ Ear Muffs	☐ Ear plugs and muffs	☐ Other _____

Respiratory Protection					
☒ None	☐ Dust mask	☐ Full Face APR	☐ Half Face APR	Cartridge Type: _____	Change Cartridges: _____

Protective Clothing			
☐ Work uniform	☐ White uncoated Tyvek®	☐ Poly-coated Tyvek®	☐ Saranex®
☐ Boot covers	☐ Reflective vest	☐ Chaps or Snake Legs	☐ Other ___

Hand Protection					
☐ None	☐ Cotton gloves	☐ Leather gloves	☐ Glove liners	☐ Cut-resistant gloves	☒ Other: Nitrile Gloves
☐ Outer Gloves: List Type_____			☐ Inner Gloves: List Type_____		

Monitoring Instruments Required*

Periodic monitoring shall be conducted when the possibility of an IDLH condition or flammable atmosphere has developed or when there is indication that exposures may have risen over permissible exposure limits or published exposure levels since prior monitoring. Situations where it shall be considered whether the possibility that exposures have risen are as follows:

- When work begins on a different portion of the site.
- When contaminants other than those previously identified are being handled.
- When a different type of operation is initiated (e.g., drum opening as opposed to exploratory well drilling.)
- When employees are handling leaking drums or containers or working in areas with obvious liquid contamination (e.g., a spill or lagoon.)

☐ LEL/O2 Meter	☐ PID: ☐ 10.0-10.6 eV Lamp ☐ 11.7 eV Lamp	☒ FID	☐ Hydrogen Sulfide/Carbon Monoxide
☐ Dräger Pump (or equivalent) List Tubes_____	☐ Dust Meter: ☐ Respirable dust ☐ Total dust		☐ Other _____

*Monitoring instruments will be calibrated daily in accordance with manufacturer's instructions. Results will be recorded in the field logbook.

Chemicals Brought to the Site:

List all chemicals brought to the site (e.g., preservatives, decon solutions, calibration gases, gasoline, etc.).

Chemicals (Note: Name listed must match name on label and MSDS)	**MSDS Attached?**
CALIBRATION STDS	☐
	☐
	☐
	☐
	☐

Chemicals will be kept in their original containers. If transferred to another container, aside from days use by one individual, the new container will be labeled with the name of the chemical and the hazard warnings.

Work Zones:

The work zones will be defined relative to the location of the work activity. The Exclusion Zone is considered the area within a 10-foot diameter of the sampling location. The Contamination Reduction Zone is considered to be the area with in a 20-foot diameter of the sampling location. The decontamination zone is to be located upwind of the work area. Work zones will be maintained through the use of:

☒ Warning Tape
☐ Cones and Barriers
☒ Visual Observations

Decontamination Procedures and Equipment:

Note: See Decontamination JHA for further information

Level D Decontamination Procedures

Decontamination Solution:	Detergent and Water
Station 1: Equipment Drop	Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, etc. on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool-down station may be set up within this area.
Station 2: Outer Boots, and Gloves Wash and Rinse (if worn)	Scrub outer boots, and outer gloves decon solution or detergent water. Rinse off using copious amounts of water.
Station 3: Outer Boot and Glove Removal (if worn)	Remove outer boots and gloves. Deposit in plastic bag.
Station 4: Inner glove removal	Remove inner gloves and place in plastic bag.
Station 5: Field Wash	Hands and face are thoroughly washed. Shower as soon as possible.

Modified Level D and Level C PPE Decontamination Procedures

Decontamination Solution:	Detergent and Water
Station 1: Equipment Drop	Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, etc. on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool-down station may be set up within this area.
Station 2: Outer Garment, Boots, and Gloves Wash and Rinse	Scrub outer boots, outer gloves, and splash suit with decon solution or detergent water. Rinse off using copious amounts of water.
Station 3: Outer Boot and Glove Removal	Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4: Canister or Mask (Level C only) Change	If worker leaves exclusion zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers are donned, joints are taped, and worker returns to duty.
Station 5: Boot, Gloves and Outer Garment Removal	Boots, chemical resistant splash suit, and inner gloves are removed and deposited in separate containers lined with plastic.
Station 6: Face Piece Removal (Level C only)	Facepiece is removed. Avoid touching face with fingers. Facepiece is deposited on plastic sheet.
Station 7: Field Wash	Hands and face are thoroughly washed. Shower as soon as possible.

Site Communication:

- ☒ Verbal
- ☐ Two-way radio
- ☒ Cellular telephone
- ☐ Hand signals

- Hand gripping throat ---------- Out of air, can't breathe
- Grip partner's wrist or both hands around waist ---------- Leave area immediately
- Hands on top of head ---------- Need assistance
- Thumbs up ---------- OK, I am all right, I understand
- Thumbs down ---------- No, negative

☐ Horn
☐ Siren
☐ Other:

EMERGENCY CONTACTS

NAME	TELEPHONE NUMBERS		DATE OF PRE-EMERGENCY NOTIFICATION (if applicable)
Fire Department:	911		
Hospital:	407-296-1000		
WorkCare (Early case management)	1-888-449-7787		
Police Department:	911		
	Office	**Cell**	
Site Health And Safety Officer: Siera Jann	813-636-1508	843-298-6449	
Client Contact: Joe Gonzalez		404-731-2859	
Project Manager: Dustin Heizer	404-817-0156	678-576-8795	
*Central Group HSE Manager: Kirby Lancaster		863-272-4775	
Corporate VP of HSE – Vlad Ivensky	610-877-6144	484-919-5175 (Cell) 215-947-0393 (Home)	
EPA/DEP (if applicable):			

OTHER: Ambulance	911		

*See Incident Flow Chart for additional Group HSE Manager's Contact Information

Emergency Equipment:
The following emergency response equipment is required for this project and shall be readily available:

- ☒ Field First Aid Kit (including bloodborne pathogen kit/supplies)
- ☒ Fire Extinguisher (ABC type)
- ☐ Eyewash (Note: 15 minutes of free-flowing fresh water)
- ☐ Other: _____

EMERGENCY PROCEDURES

- The HSO (or alternate) should be immediately notified via the on-site communication system. The HSO assumes control of the emergency response.
- The HSO notifies the Project Manager and client contact of the emergency.
- If the emergency involves an injury to an Wood employee, the HSE Coordinator or Field Lead are to implement the Wood Early Injury Case Management program. See procedures and Flow Diagram below:
- If applicable, the HSO shall notify off-site emergency responders (e.g. fire department, hospital, police department, etc.) and shall inform the response team as to the nature and location of the emergency on-site.
- If applicable, the HSO evacuates the site. Site workers should move to the predetermined evacuation point (See Site Map).
- For small fires, flames should be extinguished using the fire extinguisher. Large fires should be handled by the local fire department.
- In an unknown situation or if responding to toxic gas emergencies, appropriate PPE, including SCBAs (if available), should be donned. If appropriate PPE is unavailable, site workers should evacuate and call in emergency personnel.
- For chemical spills, follow the job specific JHA for spill containment
- If chemicals are accidentally spilled or splashed into eyes or on skin, use eyewash and wash affected area. Site worker should shower as soon as possible after incident.
- If the emergency involves toxic gases, workers will back off and reassess. Prior to re-entering the work zone, the area must be determined to be safe. Entry will be using Level B PPE and utilize appropriate monitoring equipment to verify that the site is safe.
- An injured worker shall be decontaminated appropriately.

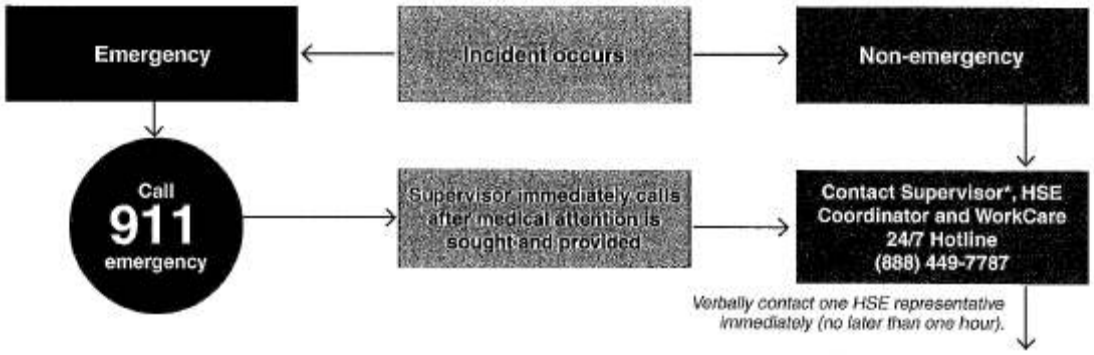
- Within 24 hours after any emergency response, the Incident Analysis Report (and Vehicle Incident Report if vehicle incident) shall be completed and returned to the Group HSE Manager. Injuries requiring medical treatment beyond first aid (as well as work-related vehicle incidents) will require the employee to submit a post incident drug test.

Wood Early Injury Case Management Program

<table>
<tr><th>NON-EMERGENCY INCIDENT</th><th>EMERGENCY INCIDENT</th></tr>
<tr><td>Steps 1 & 2 must be completed before seeking medical attention other than local first aid.
1. Provide first-aid as necessary. Report the situation to your immediate supervisor AND HSE coordinator (all incidents with the apparent starting event should be reported within 1 hour of occurrence).
2. Injured employee:</td><td>1. Provide emergency first aid. Supervisor on duty must immediately call 911 or local emergency number; no employee may respond to outside queries without prior authorization. Any outside media calls concerning this incident must be referred immediately to Lauren Gallagher at 602-757-3211.
2. Once medical attention is sought and provided, the supervisor must:</td></tr>
<tr><td colspan="2">Call WorkCare 24/7 Hotline*
(888) II-XPRTS or (888) 449-7787</td></tr>
<tr><td>WorkCare will assess the situation and determine whether the incident requires further medical attention. During this process, WorkCare will perform the following:
• Explain the process to the caller.
• Determine the nature of the concern.
• Provide appropriate medical advice to the caller.
• Determine appropriate path forward with the caller.
• Maintain appropriate medical confidentiality.
• Help caller to execute path forward, including referral to the appropriate local medical facility.
• Send an email notification to the Corporate HSE Department.</td><td>WorkCare will be responsible for performing the following:
• Contact the treating physician.
• Request copies of all medical records from clinic.
• Send an email update to the Corporate HSE Department.</td></tr>
<tr><td colspan="2">3. IMMEDIATELY after contacting WorkCare send a brief email notification AND inform verbally (direct contact is required) ONE of HSE corporate representatives See Figure 11.3.
4. Make all other local notifications and client notifications.
5. Local Supervisor, HSE Coordinator, SSHO and any applicable safety committees to complete preliminary investigation, along with the initial Incident Report within 24 hours.
6. Corporate Loss Prevention Manager to complete Worker's Compensation Insurance notifications as needed.
7. Corporate HSE to conduct further incident notifications, investigation, include in statistics, classify, and develop lessons learned materials.
* - NOTE: Step 2 is only applicable to the North-American operations and to incidents involving Wood personnel. High potential near misses, subcontractors' incidents, regulatory inspections, spills and property damages above $1,000 should be reported immediately, following directions from Step 3.</td></tr>
</table>

Site Specific Procedures are as follows:

Incident flow chart
Call immediately



E&IS Corporate HSE department contact list

Name/email	Office location	Contact information
Bruce Voss bruce.voss@woodplc.com	Cathedral City, CA	760.202.3737 (office) 951.897.6381 (cell)
Chad Barnes chad.barnes@woodplc.com	Phoenix, AZ	602.733.6000 (office) 480.495.9846 (cell)
Cindy Sundquist cynthia.sundquist@woodplc.com	Portland, ME	207.828.3309 (office) 207.650.7593 (cell) 207.892.4402 (home)
Gabe Sandholm gabe.sandholm@woodplc.com	Minneapolis, MN	612.252.3785 (office) 206.683.9190 (cell)
Lori Dowling lori.dowling@woodplc.com	Prince George, BC	250.564.3243 (office)
Philip Neville philip.neville@woodplc.com	Thorold, ON	905.687.6616 (office) 905.380.4465 (cell)
Tim Kihn tim.kihn@woodplc.com	Edmonton, AB	780.944.6363 (office) 780.717.5058 (cell)
Vladimir Ivensky (can call 24/7) vladimir.ivensky@woodplc.com	Plymouth Meeting, PA	610.877.6144 (office) 484.919.5175 (cell) 215.947.0393 (home)
Kirby Lastinger kirby.lastinger@woodplc.com	Lakeland, FL	836-667-2345 x207 (office) 863-272-4775 (cell)
Stephen Paxton stephen.paxton@woodplc.com	Kennesaw, GA	770-499-6842 (office) 678-270-0980 (mobile)
Chris Miele chris.miele@woodplc.com	Capital Projects - Kirkland, WA	425-368-0946 (office) 425-864-9011 (mobile)

High potential near misses, workplace violence/harassment and security incidents, subcontractor incidents, regulatory inspections, spills, and property damage should be reported immediately to one of the above HSE Representatives.

*Supervisor Responsible For:

- D&A Testing Coordination as per client and AmecFW requirements, Local/Client Notifications, and Completing Initial IAR within 24 hours and forwarding to Corporate HSE.

Rev. Dec 2017

FIELD TEAM REVIEW: I acknowledge that I understand the requirements of this HASP, and agree to abide by the procedures and limitations specified herein. I also acknowledge that I have been given an opportunity to have my questions regarding the HASP and its requirements answered prior to performing field activities. Health and safety training and medical surveillance requirements applicable to my field activities at this site are current and will not expire during on-site activities.

Name: _____ Date: _____

Name: _____ Date: _____

Name: _____ Date: _____

Name: _____ Date: _____

Name: _____ Date: _____

Routes to Emergency Medical Facilities

HOSPITAL(for immediate emergency treatment):

Facility Name: AdventHealth Apopka

Address: 2100 Ocoee Apopka Rd, Apopka, FL 32703

Telephone Number: 407-609-7000

DIRECTIONS TO PRIMARY HOSPITAL (attach map):

CLINIC (for non-emergency medical treatment)

Go to the Zurich CARE Directory to find a local clinic: https://secure.zurichna.com/zus/zna.nsf/carecheck.html. The password is: zurichna – click "no" when ask about loading secure info only.

Facility Name: Community Health Centers

Address: 225 E 7th St, Apopka, FL 32703

Telephone Number: 407-905-8827

DIRECTIONS TO CLINIC (attach map):

PPE Selection Guidelines

When selecting the appropriate PPE for the job, consider the following:

- **Safety glasses** – general eye protection – source of hazard, typically coming from straight on, required at most sites
- **Tinted Safety Glasses** – same as above, but when working in direct sunlight. May need two both tinted and untinted if working in both sunlight and shade/overcast skys.
- **Safety goggles** – needed for splash hazard, more severe eye exposures coming from all directions. Non-vented or indirect venting for chemical splash, non-vented for hazardous gases or very fine dust, vented for larger particulates coming from all directions.
- **Face shield** – needed to protect face from cuts, burns, chemicals (corrosives or chemicals with skin notation), etc.
- **Safety boots** – needed if danger of items being dropped on foot that could injure foot
- **Hard hat** – danger from items falling on head – any overhead work, tools, equipment, etc that is above the head and could fall on head of item fails, or falls off work platform. Typically required at most sites as a general PPE
- **Thin, chemical protective inner gloves** (e.g., thin Nitrile, PVC – do not use latex – many people are allergic to latex) – needed to protect hands from incidental contact with low risk contamination at very low concentrations (ppb or low ppm concentrations in groundwater or soil) or used in combination with outer gloves as a last defense against contamination. Need to specify type
- **Outer gloves** – thicker gloves (e.g., Nitrile, Butyl, Viton, etc.) – used when potential for high concentrations of contaminants (e.g., floating product, percent ranges of contaminant, opening drums, handling pure undiluted chemicals, etc.). Need to specify type.
- **Leather gloves, leather palm, cotton** – good in protecting hands against cuts – no protection from chemicals. May be used in combination with chemical protective gloves.
- **Boot Covers –** when there is contamination in surface soils or waking surface in general. When safety boots need protection from contact with contaminants.
- **White (uncoated) Tyveks** – protect clothing from getting dirty, good for protection against solid, non-volatile chemicals (e.g., asbestos, metals) – no chemical protection.
- **Polycoated Tyveks** – least protective of chemical protective clothing. Used when some risk of contamination getting on skin or clothing. Usually, lower ppm ranges of contaminants.
- **Saranex** – Greater protection against contamination than Polycoated Tyveks. Used to protect against PCBs or higher concentrations of contaminants in the soil or groundwater.
- **Other Chemical protective clothing** – if significant risk of dermal exposure, contact H&S to determine best kind.
- **Long sleeved shirts, long pants** – if working in areas with poison ivy/oak/sumac, poisonous insects, etc. and no chemicals exposure. May want to use uncoated Tyveks for work in areas where poisonous plants are know to be to protect clothing.
- **Cartridge Respirator (Level C PPE)** – Need to calculate change schedule (contact Division EH&S Manager for this) to determine length of use. To be able to use cartridge respirators, need to know contaminants, estimate levels to be encountered in the breathing zone, need to ensure that cartridge will be effective against COCs, and need to be able to monitor for COCs using PID, FID, Dräger tubes, etc.. If can't do any of these, then Level B PPE is probably going to be needed.
- **High Visibility Vest** – needed for any road work (with in 15 feet of a road) or when working on a site with vehicular traffic or working around heavy equipment. Needed if work tasks would take employee concentration away from movement of vehicles and workers would have to rely on the other driver's ability to see the employee in order not to hit them. This includes heavy equipment as well as cars and trucks, on public roads or the jobsite. Not needed if wearing Polycoated Tyveks – as they are already high visibility.
- **Reflective Vest** – see above, but for use at night.
- **Hearing Protection** – needed if working at noise levels above 85 dBA on a time weighted average. If noise measurements are not available, use around noisy equipment, or in general, if you have to raise your voice to be heard when talking to someone standing two feet away.
- **Protective Chaps –** required when using a machete or chain saw or any other cut hazard to legs.

APPENDIX C
Laboratory Analytical Data - Soils

Analytical Report 618975

for

Wood Environment & Infrastructure Solutions

Project Manager: Andy Hooper

TCCC-APOPKA

6121-17-0478

02-APR-19

Xenco Laboratories
1412 Tech Blvd.
Tampa, FL 33619
Ph:(813) 620-2000 Fax:(813) 620-2033

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)

02-APR-19

Project Manager: **Andy Hooper**
Wood Environment & Infrastructure Solutions
223 S 78 th St.
Tampa, FL 33619

Reference: XENCO Report No(s): **618975**
TCCC-APOPKA
Project Address:

Andy Hooper:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 618975. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 618975 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Chad Bechtold
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
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Sample Cross Reference 618975

Wood Environment & Infrastructure Solutions, Tampa, F

TCCC-APOPKA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EAST (2')	S	03-26-19 11:39		618975-001
SOUTH (Base)	S	03-26-19 11:48		618975-002
WEST (8')	S	03-26-19 11:55		618975-003
NORTH (Base)	S	03-26-19 12:04		618975-004
BOTTOM	S	03-26-19 12:09		618975-005
STOCKPILE	S	03-26-19 12:20		618975-006

CASE NARRATIVE

Client Name: Wood Environment & Infrastructure Solutions
Project Name: TCCC-APOPKA

Project ID: *6121-17-0478*
Work Order Number(s): *618975*

Report Date: *02-APR-19*
Date Received: *03/26/2019*

Sample receipt non conformances and comments:

Report Revision: Per client request the laboratory performed Method 8270D - SIM PAH analysis on the sample NORTH (Base) to confirm the detections for the B(a)P equivalents compounds from the Method 8270D analysis. The B(a)P equivalents detections from the initial Method 8270D analysis were between the Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). Results between the PQL and MDL should be considered estimated. The Method 8270D - SIM PAH analysis results provided much lower PQLs and MDLs. The detections for the B(a)P equivalents compounds were above the PQL for this confirmation analysis, but the results were below the Residential limit.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083532 VOCs PP List by SW-846 8260BPP
Acrylonitrile RPD was outside laboratory control limits.
Samples in the analytical batch are: 618975-001, -002, -003, -004, -005, -006

Batch: LBA-3083714 FL-PRO
Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 618975-001.
Surrogate Nonatriacontane (C39) recovered below QC limits. Matrix interferences is visible.
Samples affected are: 618975-005.

Sample 618975-001, -005 final extracts were dark orange/brown.

Batch: LBA-3083716 Pesticides by SW-846 8081B
Delta-BHC recovered below QC limits in the Blank Spike and Duplicate. The number of failed analytes were within the marginal exceedances per TNI rule. No additional action is required. Samples in the analytical batch are: 618975-001, -002, -003, -004, -005, -006.

Batch: LBA-3083738 PCBs by SW-846 8082A
WO# 618975 SW8082 PCB AR1262 is present.

Batch: LBA-3083746 PAHs by 8270D SIM
Surrogate Nitrobenzene-d5, Surrogate Terphenyl-D14 recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 618975-004.

CASE NARRATIVE

Client Name: Wood Environment & Infrastructure Solutions
Project Name: TCCC-APOPKA

Project ID: *6121-17-0478*
Work Order Number(s): *618975*

Report Date: *02-APR-19*
Date Received: *03/26/2019*

Batch: LBA-3083755 SVOCs PP List by SW8270D
Surrogate 2-Fluorobiphenyl, Surrogate 2-Fluorophenol, Surrogate Phenol-d6 recovered below QC limits.
Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 618975-006.

Sample analyzed at a dilution due to physical characteristics and high levels of non-target compounds.

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Below is a summary of the analytes which were found to be present in the samples associated with this work order. This should only be used in conjunction with the included analytical results.

Sample ID: EAST (2') **Sample ID: 618975-001** **Date/Time Sampled: 03/26/2019 11:39** **Matrix: Solid**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
Chromium	SW6010C	7440-47-3	1	0.393	0.864	0.0608	mg/kg	I
FLPRO (C8-C40) Range	FLPRO	PHC840	1	6.16	7.05	3.53	mg/kg	I
Lead	SW6010C	7439-92-1	1	1.16	1.73	0.411	mg/kg	I
PCB-1262	SW8082	37324-23-5	2	0.0346 U	0.0346	0.0346	mg/kg	E
Percent Moisture	SM2540G	MOIST	1	3.56			%	

Sample ID: SOUTH (Base) **Sample ID: 618975-002** **Date/Time Sampled: 03/26/2019 11:48** **Matrix: Solid**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
Chromium	SW6010C	7440-47-3	1	0.280	1.01	0.0708	mg/kg	I
FLPRO (C8-C40) Range	FLPRO	PHC840	1	13.1	6.97	3.49	mg/kg	
Percent Moisture	SM2540G	MOIST	1	2.49			%	

Sample ID: WEST (8') **Sample ID: 618975-003** **Date/Time Sampled: 03/26/2019 11:55** **Matrix: Solid**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
Alpha-Chlordane	SW8081B	5103-71-9	2	0.0102	0.00691	0.00118	mg/kg	
Benzo(a)anthracene	SW8270D	56-55-3	1	0.0166	0.173	0.0146	mg/kg	I
Benzo(b)fluoranthene	SW8270D	205-99-2	1	0.0231	0.173	0.0130	mg/kg	I
Benzo(g,h,i)perylene	SW8270D	191-24-2	1	0.0186	0.173	0.0159	mg/kg	I
Chlordane	SW8081B	12789-03-6	2	0.120	0.173	0.0495	mg/kg	I
Chromium	SW6010C	7440-47-3	1	4.00	1.02	0.0715	mg/kg	
Dieldrin	SW8081B	60-57-1	2	0.00904	0.00691	0.000351	mg/kg	
FLPRO (C8-C40) Range	FLPRO	PHC840	1	109	7.05	3.52	mg/kg	
Fluoranthene	SW8270D	206-44-0	1	0.0255	0.173	0.0152	mg/kg	I
Gamma-Chlordane	SW8081B	5103-74-2	2	0.0253	0.00691	0.00158	mg/kg	
Heptachlor	SW8081B	76-44-8	2	0.0285	0.00691	0.00117	mg/kg	
Heptachlor Epoxide	SW8081B	1024-57-3	2	0.00186	0.00691	0.000507	mg/kg	I
Indeno(1,2,3-c,d)Pyrene	SW8270D	193-39-5	1	0.0145	0.173	0.0139	mg/kg	I
Lead	SW6010C	7439-92-1	1	10.1	2.03	0.483	mg/kg	
PCB-1262	SW8082	37324-23-5	2	0.102	0.0345	0.0345	mg/kg	E
Percent Moisture	SM2540G	MOIST	1	3.54			%	
Pyrene	SW8270D	129-00-0	1	0.0269	0.173	0.0151	mg/kg	I

Sample ID: NORTH (Base) **Sample ID: 618975-004** **Date/Time Sampled: 03/26/2019 12:04** **Matrix: Solid**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
1-Methylnaphthalene	SW8270D	90-12-0	5	0.255	0.904	0.145	mg/kg	I
2-Methylnaphthalene	SW8270D	91-57-6	5	0.344	0.904	0.245	mg/kg	I
Alpha-Chlordane	SW8081B	5103-71-9	5	0.0127	0.0181	0.00309	mg/kg	I
Anthracene	SW8270D	120-12-7	5	0.125	0.904	0.0749	mg/kg	I
Benzo(a)anthracene	SW8270D	56-55-3	5	0.562	0.904	0.0763	mg/kg	I
Benzo(a)anthracene	8270SIM	56-55-3	10	0.0190	0.0181	0.0116	mg/kg	
Benzo(a)pyrene	SW8270D	50-32-8	5	0.638	0.904	0.0934	mg/kg	I
Benzo(a)pyrene	8270SIM	50-32-8	10	0.0216	0.0181	0.0133	mg/kg	
	SW8270D							

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	Sample ID: 618975-004		**Date/Time Sampled: 03/26/2019 12:04**					**Matrix: Solid**
Benzo(b)fluoranthene		205-99-2	5	0.680	0.904	0.0682	mg/kg	I
Benzo(b)fluoranthene	8270SIM	205-99-2	10	0.0322	0.0181	0.0149	mg/kg	
Benzo(g,h,i)perylene	SW8270D	191-24-2	5	0.486	0.904	0.0833	mg/kg	I
Benzo(k)fluoranthene	SW8270D	207-08-9	5	0.425	0.904	0.105	mg/kg	I
Cadmium	SW6010C	7440-43-9	1	0.654	1.02	0.245	mg/kg	I
Chlordane	SW8081B	12789-03-6	5	0.130 U	0.452	0.130	mg/kg	I
Chromium	SW6010C	7440-47-3	1	9.74	1.02	0.0721	mg/kg	
Chrysene	8270SIM	218-01-9	10	0.0247	0.0181	0.0100	mg/kg	
Chrysene	SW8270D	218-01-9	5	0.608	0.904	0.0896	mg/kg	I
Dieldrin	SW8081B	60-57-1	5	0.00651	0.0181	0.000919	mg/kg	I
FLPRO (C8-C40) Range	FLPRO	PHC840	12	1410	73.8	36.9	mg/kg	
Fluoranthene	SW8270D	206-44-0	5	1.40	0.904	0.0797	mg/kg	
Gamma-Chlordane	SW8081B	5103-74-2	5	0.0276	0.0181	0.00414	mg/kg	
Indeno(1,2,3-c,d)Pyrene	SW8270D	193-39-5	5	0.420	0.904	0.0729	mg/kg	I
Indeno(1,2,3-c,d)Pyrene	8270SIM	193-39-5	10	0.0223	0.0181	0.0136	mg/kg	
Lead	SW6010C	7439-92-1	1	37.3	2.05	0.487	mg/kg	
Percent Moisture	SM2540G	MOIST	1	7.90			%	
Phenanthrene	SW8270D	85-01-8	5	0.785	0.904	0.0899	mg/kg	I
Pyrene	SW8270D	129-00-0	5	1.24	0.904	0.0792	mg/kg	
di-n-Octyl Phthalate	SW8270D	117-84-0	5	0.103	0.904	0.0720	mg/kg	I
Sample ID: BOTTOM	**Sample ID: 618975-005**		**Date/Time Sampled: 03/26/2019 12:09**					**Matrix: Solid**
Analyte Name	**Method**	**CAS No.**	**Dil.**	**Result**	**RL/PQL**	**MDL**	**Units**	**Qual**
Acenaphthylene	SW8270D	208-96-8	1	0.0180	0.173	0.0153	mg/kg	I
Benzo(a)anthracene	SW8270D	56-55-3	1	0.0221	0.173	0.0146	mg/kg	I
Benzo(a)pyrene	SW8270D	50-32-8	1	0.0300	0.173	0.0178	mg/kg	I
Benzo(b)fluoranthene	SW8270D	205-99-2	1	0.0276	0.173	0.0130	mg/kg	I
Benzo(g,h,i)perylene	SW8270D	191-24-2	1	0.0287	0.173	0.0159	mg/kg	I
Benzo(k)fluoranthene	SW8270D	207-08-9	1	0.0211	0.173	0.0201	mg/kg	I
Cadmium	SW6010C	7440-43-9	1	0.337	0.926	0.221	mg/kg	I
Chlordane	SW8081B	12789-03-6	2	0.0496 U	0.173	0.0496	mg/kg	I
Chromium	SW6010C	7440-47-3	1	5.90	0.926	0.0652	mg/kg	
Chrysene	SW8270D	218-01-9	1	0.0245	0.173	0.0171	mg/kg	I
Dieldrin	SW8081B	60-57-1	2	0.00444	0.00692	0.000352	mg/kg	I
FLPRO (C8-C40) Range	FLPRO	PHC840	1	221	7.05	3.53	mg/kg	
Fluoranthene	SW8270D	206-44-0	1	0.0166	0.173	0.0152	mg/kg	I
Gamma-Chlordane	SW8081B	5103-74-2	2	0.00202	0.00692	0.00159	mg/kg	I
Indeno(1,2,3-c,d)Pyrene	SW8270D	193-39-5	1	0.0224	0.173	0.0139	mg/kg	I
Lead	SW6010C	7439-92-1	1	6.68	1.85	0.440	mg/kg	
PCB-1262	SW8082	37324-23-5	2	0.107	0.0346	0.0346	mg/kg	E
Percent Moisture	SM2540G	MOIST	1	3.57			%	
Pyrene	SW8270D	129-00-0	1	0.0249	0.173	0.0151	mg/kg	I
Sample ID: STOCKPILE	**Sample ID: 618975-006**		**Date/Time Sampled: 03/26/2019 12:20**					**Matrix: Solid**

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Sample ID: 618975-006 **Date/Time Sampled: 03/26/2019 12:20** **Matrix: Solid**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
1-Methylnaphthalene	SW8270D	90-12-0	5	0.463	0.836	0.134	mg/kg	I
2-Methylnaphthalene	SW8270D	91-57-6	5	0.662	0.836	0.227	mg/kg	I
Cadmium	SW6010C	7440-43-9	1	0.214	0.837	0.200	mg/kg	I
Chromium	SW6010C	7440-47-3	1	2.24	0.837	0.0589	mg/kg	
Dieldrin	SW8081B	60-57-1	5	0.00303	0.0167	0.000850	mg/kg	I
FLPRO (C8-C40) Range	FLPRO	PHC840	6	547	34.1	17.1	mg/kg	
Gamma-Chlordane	SW8081B	5103-74-2	5	0.00571	0.0167	0.00383	mg/kg	I
Lead	SW6010C	7439-92-1	1	11.3	1.67	0.398	mg/kg	
PCB-1262	SW8082	37324-23-5	5	0.119	0.0836	0.0836	mg/kg	E
Percent Moisture	SM2540G	MOIST	1	0.410			%	
Phenanthrene	SW8270D	85-01-8	5	0.139	0.836	0.0831	mg/kg	I

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TCCC-APOPKA

Sample Id: **EAST (2')** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-001 Date Collected: 03.26.19 11.39

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: 3.56

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.366 U	1.73	0.366	U	mg/kg	03.28.19 03.21	1
Cadmium	7440-43-9	0.206 U	0.864	0.206	U	mg/kg	03.28.19 03.21	1
Chromium	7440-47-3	**0.393**	0.864	0.0608	I	mg/kg	03.28.19 03.21	1
Lead	7439-92-1	**1.16**	1.73	0.411	I	mg/kg	03.28.19 03.21	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: 3.56

Analyst: MCK Date Prep: 03.27.19 15.09 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00331 U	0.0346	0.00331	U	mg/kg	03.27.19 20.48	2
PCB-1221	11104-28-2	0.00284 U	0.0346	0.00284	U	mg/kg	03.27.19 20.48	2
PCB-1232	11141-16-5	0.00177 U	0.0346	0.00177	U	mg/kg	03.27.19 20.48	2
PCB-1242	53469-21-9	0.00284 U	0.0346	0.00284	U	mg/kg	03.27.19 20.48	2
PCB-1248	12672-29-6	0.00250 U	0.0346	0.00250	U	mg/kg	03.27.19 20.48	2
PCB-1254	11097-69-1	0.00232 U	0.0346	0.00232	U	mg/kg	03.27.19 20.48	2
PCB-1260	11096-82-5	0.00160 U	0.0346	0.00160	U	mg/kg	03.27.19 20.48	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	66	%	39-125	03.27.19 20.48	
Tetrachloro-m-xylene	877-09-8	42	%	37-124	03.27.19 20.48	

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TCCC-APOPKA

Sample Id:	**EAST (2')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-001	Date Collected:	03.26.19 11.39		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.56
Analyst:	MIP	Date Prep:	03.27.19 15.09	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00160 U	0.00691	0.00160	U	mg/kg	03.27.19 20.23	2
4,4-DDE	72-55-9	0.00346 U	0.00691	0.00346	U	mg/kg	03.27.19 20.23	2
4,4-DDT	50-29-3	0.000526 U	0.00691	0.000526	U	mg/kg	03.27.19 20.23	2
Aldrin	309-00-2	0.000752 U	0.00691	0.000752	U	mg/kg	03.27.19 20.23	2
Alpha-BHC	319-84-6	0.00141 U	0.00691	0.00141	U	mg/kg	03.27.19 20.23	2
Alpha-Chlordane	5103-71-9	0.00118 U	0.00691	0.00118	U	mg/kg	03.27.19 20.23	2
Beta-BHC	319-85-7	0.000982 U	0.00691	0.000982	U	mg/kg	03.27.19 20.23	2
Delta-BHC	319-86-8	0.00346 U	0.00691	0.00346	UJ	mg/kg	03.27.19 20.23	2
Dieldrin	60-57-1	0.000351 U	0.00691	0.000351	U	mg/kg	03.27.19 20.23	2
Endosulfan I	959-98-8	0.000419 U	0.00691	0.000419	U	mg/kg	03.27.19 20.23	2
Endosulfan II	33213-65-9	0.000772 U	0.00691	0.000772	U	mg/kg	03.27.19 20.23	2
Endosulfan Sulfate	1031-07-8	0.000572 U	0.00691	0.000572	U	mg/kg	03.27.19 20.23	2
Endrin	72-20-8	0.000603 U	0.00691	0.000603	U	mg/kg	03.27.19 20.23	2
Endrin Aldehyde	7421-93-4	0.000513 U	0.00691	0.000513	U	mg/kg	03.27.19 20.23	2
Endrin Ketone	53494-70-5	0.000748 U	0.00691	0.000748	U	mg/kg	03.27.19 20.23	2
Gamma-BHC (Lindane)	58-89-9	0.000910 U	0.00691	0.000910	U	mg/kg	03.27.19 20.23	2
Gamma-Chlordane	5103-74-2	0.00158 U	0.00691	0.00158	U	mg/kg	03.27.19 20.23	2
Heptachlor	76-44-8	0.00117 U	0.00691	0.00117	U	mg/kg	03.27.19 20.23	2
Heptachlor Epoxide	1024-57-3	0.000508 U	0.00691	0.000508	U	mg/kg	03.27.19 20.23	2
Methoxychlor	72-43-5	0.00105 U	0.00691	0.00105	U	mg/kg	03.27.19 20.23	2
Chlordane	12789-03-6	0.0496 U	0.173	0.0496	U	mg/kg	03.27.19 20.23	2
Toxaphene	8001-35-2	0.0235 U	0.173	0.0235	U	mg/kg	03.27.19 20.23	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	59	%	35-135	03.27.19 20.23	
Decachlorobiphenyl	2051-24-3	77	%	25-143	03.27.19 20.23	

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TCCC-APOPKA

Sample Id:	**EAST (2')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-001	Date Collected:	03.26.19 11.39		
Analytical Method:	FL-PRO			Prep Method:	SW3550
Tech:	JAI			% Moisture:	3.56
Analyst:	BIS	Date Prep:	03.26.19 14.44	Basis:	Dry Weight
Seq Number:	3083714				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**6.16**	7.05	3.53	I	mg/kg	03.28.19 01.54	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	61	%	66-136	03.28.19 01.54	J
Nonatriacontane (C39)	7194-86-7	51	%	36-132	03.28.19 01.54	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**EAST (2')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-001	Date Collected:	03.26.19 11.39		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.56
Analyst:	EKL	Date Prep:	03.28.19 10.09	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0151 U	0.173	0.0151	U	mg/kg	03.28.19 12.23	1
1,2-Dichlorobenzene	95-50-1	0.0159 U	0.173	0.0159	U	mg/kg	03.28.19 12.23	1
Azobenzene	103-33-3	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 12.23	1
1,3-Dichlorobenzene	541-73-1	0.0144 U	0.173	0.0144	U	mg/kg	03.28.19 12.23	1
1,4-Dichlorobenzene	106-46-7	0.0155 U	0.173	0.0155	U	mg/kg	03.28.19 12.23	1
1-Methylnaphthalene	90-12-0	0.0277 U	0.173	0.0277	U	mg/kg	03.28.19 12.23	1
2,4,6-Trichlorophenol	88-06-2	0.0163 U	0.173	0.0163	U	mg/kg	03.28.19 12.23	1
2,4-Dichlorophenol	120-83-2	0.0181 U	0.173	0.0181	U	mg/kg	03.28.19 12.23	1
2,4-Dimethylphenol	105-67-9	0.0171 U	0.173	0.0171	U	mg/kg	03.28.19 12.23	1
2,4-Dinitrophenol	51-28-5	0.0251 U	0.346	0.0251	U	mg/kg	03.28.19 12.23	1
2,4-Dinitrotoluene	121-14-2	0.0132 U	0.173	0.0132	U	mg/kg	03.28.19 12.23	1
2,6-Dinitrotoluene	606-20-2	0.0241 U	0.173	0.0241	U	mg/kg	03.28.19 12.23	1
2-Chloronaphthalene	91-58-7	0.0301 U	0.173	0.0301	U	mg/kg	03.28.19 12.23	1
2-Chlorophenol	95-57-8	0.0164 U	0.173	0.0164	U	mg/kg	03.28.19 12.23	1
2-Methylnaphthalene	91-57-6	0.0468 U	0.173	0.0468	U	mg/kg	03.28.19 12.23	1
2-Nitrophenol	88-75-5	0.0152 U	0.173	0.0152	U	mg/kg	03.28.19 12.23	1
3,3-Dichlorobenzidine	91-94-1	0.0160 U	0.346	0.0160	U	mg/kg	03.28.19 12.23	1
4,6-dinitro-2-methyl phenol	534-52-1	0.0132 U	0.346	0.0132	U	mg/kg	03.28.19 12.23	1
4-Bromophenyl-phenylether	101-55-3	0.0138 U	0.173	0.0138	U	mg/kg	03.28.19 12.23	1
4-chloro-3-methylphenol	59-50-7	0.0191 U	0.173	0.0191	U	mg/kg	03.28.19 12.23	1
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 12.23	1
4-Nitrophenol	100-02-7	0.0268 U	0.346	0.0268	U	mg/kg	03.28.19 12.23	1
Acenaphthene	83-32-9	0.0161 U	0.173	0.0161	U	mg/kg	03.28.19 12.23	1
Acenaphthylene	208-96-8	0.0153 U	0.173	0.0153	U	mg/kg	03.28.19 12.23	1
Anthracene	120-12-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 12.23	1
Benzidine	92-87-5	0.0125 U	0.346	0.0125	U	mg/kg	03.28.19 12.23	1
Benzo(a)anthracene	56-55-3	0.0146 U	0.173	0.0146	U	mg/kg	03.28.19 12.23	1
Benzo(a)pyrene	50-32-8	0.0178 U	0.173	0.0178	U	mg/kg	03.28.19 12.23	1
Benzo(b)fluoranthene	205-99-2	0.0130 U	0.173	0.0130	U	mg/kg	03.28.19 12.23	1
Benzo(g,h,i)perylene	191-24-2	0.0159 U	0.173	0.0159	U	mg/kg	03.28.19 12.23	1
Benzo(k)fluoranthene	207-08-9	0.0201 U	0.173	0.0201	U	mg/kg	03.28.19 12.23	1
Benzyl Butyl Phthalate	85-68-7	0.0188 U	0.173	0.0188	U	mg/kg	03.28.19 12.23	1
bis(2-chloroethoxy) methane	111-91-1	0.0174 U	0.173	0.0174	U	mg/kg	03.28.19 12.23	1
bis(2-chloroethyl) ether	111-44-4	0.0158 U	0.173	0.0158	U	mg/kg	03.28.19 12.23	1
bis(2-chloroisopropyl) ether	39638-32-9	0.0184 U	0.173	0.0184	U	mg/kg	03.28.19 12.23	1
bis(2-ethylhexyl) phthalate	117-81-7	0.173 U	0.346	0.173	U	mg/kg	03.28.19 12.23	1
Chrysene	218-01-9	0.0171 U	0.173	0.0171	U	mg/kg	03.28.19 12.23	1
Dibenz(a,h)anthracene	53-70-3	0.0132 U	0.173	0.0132	U	mg/kg	03.28.19 12.23	1
Diethylphthalate	84-66-2	0.0159 U	0.173	0.0159	U	mg/kg	03.28.19 12.23	1

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**EAST (2')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-001	Date Collected:	03.26.19 11.39		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.56
Analyst:	EKL	Date Prep:	03.28.19 10.09	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0165 U	0.173	0.0165	U	mg/kg	03.28.19 12.23	1
Di-n-butylphthalate	84-74-2	0.0166 U	0.173	0.0166	U	mg/kg	03.28.19 12.23	1
di-n-Octyl Phthalate	117-84-0	0.0138 U	0.173	0.0138	U	mg/kg	03.28.19 12.23	1
Fluoranthene	206-44-0	0.0152 U	0.173	0.0152	U	mg/kg	03.28.19 12.23	1
Fluorene	86-73-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 12.23	1
Hexachlorobenzene	118-74-1	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 12.23	1
Hexachlorobutadiene	87-68-3	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 12.23	1
Hexachlorocyclopentadiene	77-47-4	0.0158 U	0.173	0.0158	U	mg/kg	03.28.19 12.23	1
Hexachloroethane	67-72-1	0.0179 U	0.173	0.0179	U	mg/kg	03.28.19 12.23	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.0139 U	0.173	0.0139	U	mg/kg	03.28.19 12.23	1
Isophorone	78-59-1	0.0150 U	0.173	0.0150	U	mg/kg	03.28.19 12.23	1
Naphthalene	91-20-3	0.0162 U	0.173	0.0162	U	mg/kg	03.28.19 12.23	1
Nitrobenzene	98-95-3	0.0192 U	0.173	0.0192	U	mg/kg	03.28.19 12.23	1
N-Nitrosodimethylamine	62-75-9	0.0174 U	0.173	0.0174	U	mg/kg	03.28.19 12.23	1
N-Nitrosodi-n-Propylamine	621-64-7	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 12.23	1
N-Nitrosodiphenylamine	86-30-6	0.0193 U	0.173	0.0193	U	mg/kg	03.28.19 12.23	1
Pentachlorophenol	87-86-5	0.0126 U	0.346	0.0126	U	mg/kg	03.28.19 12.23	1
Phenanthrene	85-01-8	0.0172 U	0.173	0.0172	U	mg/kg	03.28.19 12.23	1
Phenol	108-95-2	0.0155 U	0.346	0.0155	U	mg/kg	03.28.19 12.23	1
Pyrene	129-00-0	0.0151 U	0.173	0.0151	U	mg/kg	03.28.19 12.23	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	70	%	25-121	03.28.19 12.23	
Phenol-d6	13127-88-3	67	%	24-113	03.28.19 12.23	
Nitrobenzene-d5	4165-60-0	66	%	23-120	03.28.19 12.23	
2-Fluorobiphenyl	321-60-8	71	%	30-115	03.28.19 12.23	
2,4,6-Tribromophenol	118-79-6	84	%	19-122	03.28.19 12.23	
Terphenyl-D14	1718-51-0	90	%	18-137	03.28.19 12.23	

Certificate of Analytical Results 618975

Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**EAST (2')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-001	Date Collected:	03.26.19 11.39		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	3.56
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00254 U	0.0286	0.00254	U	mg/kg	03.27.19 13.27	1
Acrylonitrile	107-13-1	0.00286 U	0.0286	0.00286	UJ	mg/kg	03.27.19 13.27	1
Benzene	71-43-2	0.000294 U	0.00286	0.000294	U	mg/kg	03.27.19 13.27	1
Bromodichloromethane	75-27-4	0.000287 U	0.00286	0.000287	U	mg/kg	03.27.19 13.27	1
Bromoform	75-25-2	0.000549 U	0.00286	0.000549	U	mg/kg	03.27.19 13.27	1
Methyl bromide	74-83-9	0.000143 U	0.00286	0.000143	U	mg/kg	03.27.19 13.27	1
Carbon Tetrachloride	56-23-5	0.000425 U	0.00286	0.000425	U	mg/kg	03.27.19 13.27	1
Chlorobenzene	108-90-7	0.000332 U	0.00286	0.000332	U	mg/kg	03.27.19 13.27	1
Chloroethane	75-00-3	0.00140 U	0.00573	0.00140	U	mg/kg	03.27.19 13.27	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000428 U	0.00286	0.000428	UJ	mg/kg	03.27.19 13.27	1
Chloroform	67-66-3	0.000425 U	0.00286	0.000425	U	mg/kg	03.27.19 13.27	1
Methyl Chloride	74-87-3	0.00132 U	0.00573	0.00132	U	mg/kg	03.27.19 13.27	1
Dibromochloromethane	124-48-1	0.000569 U	0.00286	0.000569	U	mg/kg	03.27.19 13.27	1
1,2-Dichloroethane	107-06-2	0.000342 U	0.00286	0.000342	U	mg/kg	03.27.19 13.27	1
1,1-Dichloroethane	75-34-3	0.000459 U	0.00286	0.000459	U	mg/kg	03.27.19 13.27	1
trans-1,2-dichloroethylene	156-60-5	0.000447 U	0.00286	0.000447	U	mg/kg	03.27.19 13.27	1
cis-1,2-Dichloroethylene	156-59-2	0.000120 U	0.00286	0.000120	U	mg/kg	03.27.19 13.27	1
1,1-Dichloroethene	75-35-4	0.000665 U	0.00286	0.000665	U	mg/kg	03.27.19 13.27	1
1,2-Dichloropropane	78-87-5	0.000532 U	0.00286	0.000532	U	mg/kg	03.27.19 13.27	1
trans-1,3-dichloropropene	10061-02-6	0.000384 U	0.00286	0.000384	U	mg/kg	03.27.19 13.27	1
cis-1,3-Dichloropropene	10061-01-5	0.0000573 U	0.00286	0.0000573	U	mg/kg	03.27.19 13.27	1
Ethylbenzene	100-41-4	0.000324 U	0.00286	0.000324	U	mg/kg	03.27.19 13.27	1
Methylene Chloride	75-09-2	0.00124 U	0.00573	0.00124	U	mg/kg	03.27.19 13.27	1
MTBE	1634-04-4	0.000397 U	0.00286	0.000397	U	mg/kg	03.27.19 13.27	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000682 U	0.00286	0.000682	U	mg/kg	03.27.19 13.27	1
Tetrachloroethylene	127-18-4	0.0000859 U	0.00286	0.0000859	U	mg/kg	03.27.19 13.27	1
Toluene	108-88-3	0.000337 U	0.00286	0.000337	U	mg/kg	03.27.19 13.27	1
1,1,2-Trichloroethane	79-00-5	0.000384 U	0.00286	0.000384	U	mg/kg	03.27.19 13.27	1
1,1,1-Trichloroethane	71-55-6	0.000431 U	0.00286	0.000431	U	mg/kg	03.27.19 13.27	1
Trichloroethylene	79-01-6	0.000405 U	0.00286	0.000405	U	mg/kg	03.27.19 13.27	1
Trichlorofluoromethane	75-69-4	0.00201 U	0.00286	0.00201	U	mg/kg	03.27.19 13.27	1
Vinyl Chloride	75-01-4	0.00115 U	0.00573	0.00115	U	mg/kg	03.27.19 13.27	1
o-Xylene	95-47-6	0.000410 U	0.00286	0.000410	U	mg/kg	03.27.19 13.27	1
m,p-Xylenes	179601-23-1	0.000693 U	0.00573	0.000693	U	mg/kg	03.27.19 13.27	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	94	%	53-159	03.27.19 13.27	
Toluene-D8	2037-26-5	107	%	70-130	03.27.19 13.27	
4-Bromofluorobenzene	460-00-4	132	%	30-180	03.27.19 13.27	

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TCCC-APOPKA

Sample Id: **SOUTH (Base)** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-002 Date Collected: 03.26.19 11.48

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: 2.49

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.426 U	2.01	0.426	U	mg/kg	03.28.19 03.25	1
Cadmium	7440-43-9	0.240 U	1.01	0.240	U	mg/kg	03.28.19 03.25	1
Chromium	7440-47-3	**0.280**	1.01	0.0708	I	mg/kg	03.28.19 03.25	1
Lead	7439-92-1	0.478 U	2.01	0.478	U	mg/kg	03.28.19 03.25	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: 2.49

Analyst: MCK Date Prep: 03.27.19 15.12 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00328 U	0.0342	0.00328	U	mg/kg	03.27.19 20.59	2
PCB-1221	11104-28-2	0.00282 U	0.0342	0.00282	U	mg/kg	03.27.19 20.59	2
PCB-1232	11141-16-5	0.00175 U	0.0342	0.00175	U	mg/kg	03.27.19 20.59	2
PCB-1242	53469-21-9	0.00282 U	0.0342	0.00282	U	mg/kg	03.27.19 20.59	2
PCB-1248	12672-29-6	0.00247 U	0.0342	0.00247	U	mg/kg	03.27.19 20.59	2
PCB-1254	11097-69-1	0.00229 U	0.0342	0.00229	U	mg/kg	03.27.19 20.59	2
PCB-1260	11096-82-5	0.00159 U	0.0342	0.00159	U	mg/kg	03.27.19 20.59	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	64	%	39-125	03.27.19 20.59	
Tetrachloro-m-xylene	877-09-8	42	%	37-124	03.27.19 20.59	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**SOUTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-002	Date Collected:	03.26.19 11.48		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	2.49
Analyst:	MIP	Date Prep:	03.27.19 15.12	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00158 U	0.00684	0.00158	U	mg/kg	03.27.19 20.37	2
4,4-DDE	72-55-9	0.00342 U	0.00684	0.00342	U	mg/kg	03.27.19 20.37	2
4,4-DDT	50-29-3	0.000521 U	0.00684	0.000521	U	mg/kg	03.27.19 20.37	2
Aldrin	309-00-2	0.000745 U	0.00684	0.000745	U	mg/kg	03.27.19 20.37	2
Alpha-BHC	319-84-6	0.00140 U	0.00684	0.00140	U	mg/kg	03.27.19 20.37	2
Alpha-Chlordane	5103-71-9	0.00117 U	0.00684	0.00117	U	mg/kg	03.27.19 20.37	2
Beta-BHC	319-85-7	0.000973 U	0.00684	0.000973	U	mg/kg	03.27.19 20.37	2
Delta-BHC	319-86-8	0.00342 U	0.00684	0.00342	UJ	mg/kg	03.27.19 20.37	2
Dieldrin	60-57-1	0.000348 U	0.00684	0.000348	U	mg/kg	03.27.19 20.37	2
Endosulfan I	959-98-8	0.000414 U	0.00684	0.000414	U	mg/kg	03.27.19 20.37	2
Endosulfan II	33213-65-9	0.000764 U	0.00684	0.000764	U	mg/kg	03.27.19 20.37	2
Endosulfan Sulfate	1031-07-8	0.000566 U	0.00684	0.000566	U	mg/kg	03.27.19 20.37	2
Endrin	72-20-8	0.000597 U	0.00684	0.000597	U	mg/kg	03.27.19 20.37	2
Endrin Aldehyde	7421-93-4	0.000508 U	0.00684	0.000508	U	mg/kg	03.27.19 20.37	2
Endrin Ketone	53494-70-5	0.000741 U	0.00684	0.000741	U	mg/kg	03.27.19 20.37	2
Gamma-BHC (Lindane)	58-89-9	0.000901 U	0.00684	0.000901	U	mg/kg	03.27.19 20.37	2
Gamma-Chlordane	5103-74-2	0.00157 U	0.00684	0.00157	U	mg/kg	03.27.19 20.37	2
Heptachlor	76-44-8	0.00115 U	0.00684	0.00115	U	mg/kg	03.27.19 20.37	2
Heptachlor Epoxide	1024-57-3	0.000503 U	0.00684	0.000503	U	mg/kg	03.27.19 20.37	2
Methoxychlor	72-43-5	0.00104 U	0.00684	0.00104	U	mg/kg	03.27.19 20.37	2
Chlordane	12789-03-6	0.0491 U	0.171	0.0491	U	mg/kg	03.27.19 20.37	2
Toxaphene	8001-35-2	0.0232 U	0.171	0.0232	U	mg/kg	03.27.19 20.37	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	56	%	35-135	03.27.19 20.37	
Decachlorobiphenyl	2051-24-3	74	%	25-143	03.27.19 20.37	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**SOUTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-002	Date Collected:	03.26.19 11.48		
Analytical Method:	FL-PRO			Prep Method:	SW3550
Tech:	JAI			% Moisture:	2.49
Analyst:	BIS	Date Prep:	03.26.19 14.44	Basis:	Dry Weight
Seq Number:	3083714				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**13.1**	6.97	3.49		mg/kg	03.28.19 05.10	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	75	%	66-136	03.28.19 05.10	
Nonatriacontane (C39)	7194-86-7	58	%	36-132	03.28.19 05.10	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**SOUTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-002	Date Collected:	03.26.19 11.48		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	2.49
Analyst:	EKL	Date Prep:	03.28.19 10.18	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0149 U	0.171	0.0149	U	mg/kg	03.28.19 15.04	1
1,2-Dichlorobenzene	95-50-1	0.0158 U	0.171	0.0158	U	mg/kg	03.28.19 15.04	1
Azobenzene	103-33-3	0.0178 U	0.171	0.0178	U	mg/kg	03.28.19 15.04	1
1,3-Dichlorobenzene	541-73-1	0.0142 U	0.171	0.0142	U	mg/kg	03.28.19 15.04	1
1,4-Dichlorobenzene	106-46-7	0.0153 U	0.171	0.0153	U	mg/kg	03.28.19 15.04	1
1-Methylnaphthalene	90-12-0	0.0274 U	0.171	0.0274	U	mg/kg	03.28.19 15.04	1
2,4,6-Trichlorophenol	88-06-2	0.0161 U	0.171	0.0161	U	mg/kg	03.28.19 15.04	1
2,4-Dichlorophenol	120-83-2	0.0179 U	0.171	0.0179	U	mg/kg	03.28.19 15.04	1
2,4-Dimethylphenol	105-67-9	0.0169 U	0.171	0.0169	U	mg/kg	03.28.19 15.04	1
2,4-Dinitrophenol	51-28-5	0.0248 U	0.342	0.0248	U	mg/kg	03.28.19 15.04	1
2,4-Dinitrotoluene	121-14-2	0.0131 U	0.171	0.0131	U	mg/kg	03.28.19 15.04	1
2,6-Dinitrotoluene	606-20-2	0.0239 U	0.171	0.0239	U	mg/kg	03.28.19 15.04	1
2-Chloronaphthalene	91-58-7	0.0298 U	0.171	0.0298	U	mg/kg	03.28.19 15.04	1
2-Chlorophenol	95-57-8	0.0162 U	0.171	0.0162	U	mg/kg	03.28.19 15.04	1
2-Methylnaphthalene	91-57-6	0.0463 U	0.171	0.0463	U	mg/kg	03.28.19 15.04	1
2-Nitrophenol	88-75-5	0.0150 U	0.171	0.0150	U	mg/kg	03.28.19 15.04	1
3,3-Dichlorobenzidine	91-94-1	0.0158 U	0.342	0.0158	U	mg/kg	03.28.19 15.04	1
4,6-dinitro-2-methyl phenol	534-52-1	0.0130 U	0.342	0.0130	U	mg/kg	03.28.19 15.04	1
4-Bromophenyl-phenylether	101-55-3	0.0136 U	0.171	0.0136	U	mg/kg	03.28.19 15.04	1
4-chloro-3-methylphenol	59-50-7	0.0189 U	0.171	0.0189	U	mg/kg	03.28.19 15.04	1
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0166 U	0.171	0.0166	U	mg/kg	03.28.19 15.04	1
4-Nitrophenol	100-02-7	0.0265 U	0.342	0.0265	U	mg/kg	03.28.19 15.04	1
Acenaphthene	83-32-9	0.0159 U	0.171	0.0159	U	mg/kg	03.28.19 15.04	1
Acenaphthylene	208-96-8	0.0151 U	0.171	0.0151	U	mg/kg	03.28.19 15.04	1
Anthracene	120-12-7	0.0142 U	0.171	0.0142	U	mg/kg	03.28.19 15.04	1
Benzidine	92-87-5	0.0124 U	0.342	0.0124	U	mg/kg	03.28.19 15.04	1
Benzo(a)anthracene	56-55-3	0.0144 U	0.171	0.0144	U	mg/kg	03.28.19 15.04	1
Benzo(a)pyrene	50-32-8	0.0176 U	0.171	0.0176	U	mg/kg	03.28.19 15.04	1
Benzo(b)fluoranthene	205-99-2	0.0129 U	0.171	0.0129	U	mg/kg	03.28.19 15.04	1
Benzo(g,h,i)perylene	191-24-2	0.0157 U	0.171	0.0157	U	mg/kg	03.28.19 15.04	1
Benzo(k)fluoranthene	207-08-9	0.0198 U	0.171	0.0198	U	mg/kg	03.28.19 15.04	1
Benzyl Butyl Phthalate	85-68-7	0.0186 U	0.171	0.0186	U	mg/kg	03.28.19 15.04	1
bis(2-chloroethoxy) methane	111-91-1	0.0172 U	0.171	0.0172	U	mg/kg	03.28.19 15.04	1
bis(2-chloroethyl) ether	111-44-4	0.0156 U	0.171	0.0156	U	mg/kg	03.28.19 15.04	1
bis(2-chloroisopropyl) ether	39638-32-9	0.0182 U	0.171	0.0182	U	mg/kg	03.28.19 15.04	1
bis(2-ethylhexyl) phthalate	117-81-7	0.171 U	0.342	0.171	U	mg/kg	03.28.19 15.04	1
Chrysene	218-01-9	0.0169 U	0.171	0.0169	U	mg/kg	03.28.19 15.04	1
Dibenz(a,h)anthracene	53-70-3	0.0130 U	0.171	0.0130	U	mg/kg	03.28.19 15.04	1
Diethylphthalate	84-66-2	0.0157 U	0.171	0.0157	U	mg/kg	03.28.19 15.04	1

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**SOUTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-002	Date Collected:	03.26.19 11.48		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	2.49
Analyst:	EKL	Date Prep:	03.28.19 10.18	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0163 U	0.171	0.0163	U	mg/kg	03.28.19 15.04	1
Di-n-butylphthalate	84-74-2	0.0164 U	0.171	0.0164	U	mg/kg	03.28.19 15.04	1
di-n-Octyl Phthalate	117-84-0	0.0136 U	0.171	0.0136	U	mg/kg	03.28.19 15.04	1
Fluoranthene	206-44-0	0.0151 U	0.171	0.0151	U	mg/kg	03.28.19 15.04	1
Fluorene	86-73-7	0.0142 U	0.171	0.0142	U	mg/kg	03.28.19 15.04	1
Hexachlorobenzene	118-74-1	0.0166 U	0.171	0.0166	U	mg/kg	03.28.19 15.04	1
Hexachlorobutadiene	87-68-3	0.0142 U	0.171	0.0142	U	mg/kg	03.28.19 15.04	1
Hexachlorocyclopentadiene	77-47-4	0.0156 U	0.171	0.0156	U	mg/kg	03.28.19 15.04	1
Hexachloroethane	67-72-1	0.0177 U	0.171	0.0177	U	mg/kg	03.28.19 15.04	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.0138 U	0.171	0.0138	U	mg/kg	03.28.19 15.04	1
Isophorone	78-59-1	0.0149 U	0.171	0.0149	U	mg/kg	03.28.19 15.04	1
Naphthalene	91-20-3	0.0160 U	0.171	0.0160	U	mg/kg	03.28.19 15.04	1
Nitrobenzene	98-95-3	0.0189 U	0.171	0.0189	U	mg/kg	03.28.19 15.04	1
N-Nitrosodimethylamine	62-75-9	0.0172 U	0.171	0.0172	U	mg/kg	03.28.19 15.04	1
N-Nitrosodi-n-Propylamine	621-64-7	0.0178 U	0.171	0.0178	U	mg/kg	03.28.19 15.04	1
N-Nitrosodiphenylamine	86-30-6	0.0191 U	0.171	0.0191	U	mg/kg	03.28.19 15.04	1
Pentachlorophenol	87-86-5	0.0124 U	0.342	0.0124	U	mg/kg	03.28.19 15.04	1
Phenanthrene	85-01-8	0.0170 U	0.171	0.0170	U	mg/kg	03.28.19 15.04	1
Phenol	108-95-2	0.0153 U	0.342	0.0153	U	mg/kg	03.28.19 15.04	1
Pyrene	129-00-0	0.0150 U	0.171	0.0150	U	mg/kg	03.28.19 15.04	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	85	%	25-121	03.28.19 15.04	
Phenol-d6	13127-88-3	85	%	24-113	03.28.19 15.04	
Nitrobenzene-d5	4165-60-0	80	%	23-120	03.28.19 15.04	
2-Fluorobiphenyl	321-60-8	87	%	30-115	03.28.19 15.04	
2,4,6-Tribromophenol	118-79-6	103	%	19-122	03.28.19 15.04	
Terphenyl-D14	1718-51-0	102	%	18-137	03.28.19 15.04	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**SOUTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-002	Date Collected:	03.26.19 11.48		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	2.49
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00237 U	0.0267	0.00237	U	mg/kg	03.27.19 13.46	1
Acrylonitrile	107-13-1	0.00267 U	0.0267	0.00267	UJ	mg/kg	03.27.19 13.46	1
Benzene	71-43-2	0.000274 U	0.00267	0.000274	U	mg/kg	03.27.19 13.46	1
Bromodichloromethane	75-27-4	0.000268 U	0.00267	0.000268	U	mg/kg	03.27.19 13.46	1
Bromoform	75-25-2	0.000512 U	0.00267	0.000512	U	mg/kg	03.27.19 13.46	1
Methyl bromide	74-83-9	0.000134 U	0.00267	0.000134	U	mg/kg	03.27.19 13.46	1
Carbon Tetrachloride	56-23-5	0.000396 U	0.00267	0.000396	U	mg/kg	03.27.19 13.46	1
Chlorobenzene	108-90-7	0.000309 U	0.00267	0.000309	U	mg/kg	03.27.19 13.46	1
Chloroethane	75-00-3	0.00130 U	0.00534	0.00130	U	mg/kg	03.27.19 13.46	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000399 U	0.00267	0.000399	UJ	mg/kg	03.27.19 13.46	1
Chloroform	67-66-3	0.000396 U	0.00267	0.000396	U	mg/kg	03.27.19 13.46	1
Methyl Chloride	74-87-3	0.00123 U	0.00534	0.00123	U	mg/kg	03.27.19 13.46	1
Dibromochloromethane	124-48-1	0.000531 U	0.00267	0.000531	U	mg/kg	03.27.19 13.46	1
1,2-Dichloroethane	107-06-2	0.000319 U	0.00267	0.000319	U	mg/kg	03.27.19 13.46	1
1,1-Dichloroethane	75-34-3	0.000428 U	0.00267	0.000428	U	mg/kg	03.27.19 13.46	1
trans-1,2-dichloroethylene	156-60-5	0.000417 U	0.00267	0.000417	U	mg/kg	03.27.19 13.46	1
cis-1,2-Dichloroethylene	156-59-2	0.000112 U	0.00267	0.000112	U	mg/kg	03.27.19 13.46	1
1,1-Dichloroethene	75-35-4	0.000620 U	0.00267	0.000620	U	mg/kg	03.27.19 13.46	1
1,2-Dichloropropane	78-87-5	0.000496 U	0.00267	0.000496	U	mg/kg	03.27.19 13.46	1
trans-1,3-dichloropropene	10061-02-6	0.000358 U	0.00267	0.000358	U	mg/kg	03.27.19 13.46	1
cis-1,3-Dichloropropene	10061-01-5	0.0000534 U	0.00267	0.0000534	U	mg/kg	03.27.19 13.46	1
Ethylbenzene	100-41-4	0.000302 U	0.00267	0.000302	U	mg/kg	03.27.19 13.46	1
Methylene Chloride	75-09-2	0.00115 U	0.00534	0.00115	U	mg/kg	03.27.19 13.46	1
MTBE	1634-04-4	0.000370 U	0.00267	0.000370	U	mg/kg	03.27.19 13.46	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000636 U	0.00267	0.000636	U	mg/kg	03.27.19 13.46	1
Tetrachloroethylene	127-18-4	0.0000801 U	0.00267	0.0000801	U	mg/kg	03.27.19 13.46	1
Toluene	108-88-3	0.000314 U	0.00267	0.000314	U	mg/kg	03.27.19 13.46	1
1,1,2-Trichloroethane	79-00-5	0.000358 U	0.00267	0.000358	U	mg/kg	03.27.19 13.46	1
1,1,1-Trichloroethane	71-55-6	0.000402 U	0.00267	0.000402	U	mg/kg	03.27.19 13.46	1
Trichloroethylene	79-01-6	0.000378 U	0.00267	0.000378	U	mg/kg	03.27.19 13.46	1
Trichlorofluoromethane	75-69-4	0.00187 U	0.00267	0.00187	U	mg/kg	03.27.19 13.46	1
Vinyl Chloride	75-01-4	0.00107 U	0.00534	0.00107	U	mg/kg	03.27.19 13.46	1
o-Xylene	95-47-6	0.000382 U	0.00267	0.000382	U	mg/kg	03.27.19 13.46	1
m,p-Xylenes	179601-23-1	0.000646 U	0.00534	0.000646	U	mg/kg	03.27.19 13.46	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	105	%	53-159	03.27.19 13.46	
Toluene-D8	2037-26-5	96	%	70-130	03.27.19 13.46	
4-Bromofluorobenzene	460-00-4	108	%	30-180	03.27.19 13.46	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id: **WEST (8')** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-003 Date Collected: 03.26.19 11.55

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: 3.54

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.431 U	2.03	0.431	U	mg/kg	03.28.19 03.29	1
Cadmium	7440-43-9	0.243 U	1.02	0.243	U	mg/kg	03.28.19 03.29	1
Chromium	7440-47-3	**4.00**	1.02	0.0715		mg/kg	03.28.19 03.29	1
Lead	7439-92-1	**10.1**	2.03	0.483		mg/kg	03.28.19 03.29	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: 3.54

Analyst: MCK Date Prep: 03.27.19 15.15 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00331 U	0.0345	0.00331	U	mg/kg	03.27.19 21.10	2
PCB-1221	11104-28-2	0.00284 U	0.0345	0.00284	U	mg/kg	03.27.19 21.10	2
PCB-1232	11141-16-5	0.00177 U	0.0345	0.00177	U	mg/kg	03.27.19 21.10	2
PCB-1242	53469-21-9	0.00284 U	0.0345	0.00284	U	mg/kg	03.27.19 21.10	2
PCB-1248	12672-29-6	0.00249 U	0.0345	0.00249	U	mg/kg	03.27.19 21.10	2
PCB-1254	11097-69-1	0.00231 U	0.0345	0.00231	U	mg/kg	03.27.19 21.10	2
PCB-1260	11096-82-5	0.00160 U	0.0345	0.00160	U	mg/kg	03.27.19 21.10	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	96	%	39-125	03.27.19 21.10	
Tetrachloro-m-xylene	877-09-8	51	%	37-124	03.27.19 21.10	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**WEST (8')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-003	Date Collected:	03.26.19 11.55		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.54
Analyst:	MIP	Date Prep:	03.27.19 15.15	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00160 U	0.00691	0.00160	U	mg/kg	03.27.19 20.50	2
4,4-DDE	72-55-9	0.00345 U	0.00691	0.00345	U	mg/kg	03.27.19 20.50	2
4,4-DDT	50-29-3	0.000526 U	0.00691	0.000526	U	mg/kg	03.27.19 20.50	2
Aldrin	309-00-2	0.000752 U	0.00691	0.000752	U	mg/kg	03.27.19 20.50	2
Alpha-BHC	319-84-6	0.00141 U	0.00691	0.00141	U	mg/kg	03.27.19 20.50	2
Alpha-Chlordane	5103-71-9	**0.0102**	0.00691	0.00118		mg/kg	03.27.19 20.50	2
Beta-BHC	319-85-7	0.000982 U	0.00691	0.000982	U	mg/kg	03.27.19 20.50	2
Delta-BHC	319-86-8	0.00345 U	0.00691	0.00345	UJ	mg/kg	03.27.19 20.50	2
Dieldrin	60-57-1	**0.00904**	0.00691	0.000351		mg/kg	03.27.19 20.50	2
Endosulfan I	959-98-8	0.000418 U	0.00691	0.000418	U	mg/kg	03.27.19 20.50	2
Endosulfan II	33213-65-9	0.000772 U	0.00691	0.000772	U	mg/kg	03.27.19 20.50	2
Endosulfan Sulfate	1031-07-8	0.000572 U	0.00691	0.000572	U	mg/kg	03.27.19 20.50	2
Endrin	72-20-8	0.000603 U	0.00691	0.000603	U	mg/kg	03.27.19 20.50	2
Endrin Aldehyde	7421-93-4	0.000513 U	0.00691	0.000513	U	mg/kg	03.27.19 20.50	2
Endrin Ketone	53494-70-5	0.000748 U	0.00691	0.000748	U	mg/kg	03.27.19 20.50	2
Gamma-BHC (Lindane)	58-89-9	0.000909 U	0.00691	0.000909	U	mg/kg	03.27.19 20.50	2
Gamma-Chlordane	5103-74-2	**0.0253**	0.00691	0.00158		mg/kg	03.27.19 20.50	2
Heptachlor	76-44-8	**0.0285**	0.00691	0.00117		mg/kg	03.27.19 20.50	2
Heptachlor Epoxide	1024-57-3	**0.00186**	0.00691	0.000507	I	mg/kg	03.27.19 20.50	2
Methoxychlor	72-43-5	0.00105 U	0.00691	0.00105	U	mg/kg	03.27.19 20.50	2
Chlordane	12789-03-6	**0.120**	0.173	0.0495	I	mg/kg	03.27.19 20.50	2
Toxaphene	8001-35-2	0.0235 U	0.173	0.0235	U	mg/kg	03.27.19 20.50	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	57	%	35-135	03.27.19 20.50	
Decachlorobiphenyl	2051-24-3	81	%	25-143	03.27.19 20.50	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**WEST (8')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-003	Date Collected:	03.26.19 11.55		
Analytical Method:	FL-PRO			Prep Method:	SW3550
Tech:	JAI			% Moisture:	3.54
Analyst:	BIS	Date Prep:	03.26.19 14.44	Basis:	Dry Weight
Seq Number:	3083714				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**109**	7.05	3.52		mg/kg	03.28.19 07.18	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	83	%	66-136	03.28.19 07.18	
Nonatriacontane (C39)	7194-86-7	40	%	36-132	03.28.19 07.18	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**WEST (8')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-003	Date Collected:	03.26.19 11.55		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.54
Analyst:	EKL	Date Prep:	03.28.19 10.21	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0150 U	0.173	0.0150	U	mg/kg	03.28.19 15.27	1
1,2-Dichlorobenzene	95-50-1	0.0159 U	0.173	0.0159	U	mg/kg	03.28.19 15.27	1
Azobenzene	103-33-3	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 15.27	1
1,3-Dichlorobenzene	541-73-1	0.0144 U	0.173	0.0144	U	mg/kg	03.28.19 15.27	1
1,4-Dichlorobenzene	106-46-7	0.0155 U	0.173	0.0155	U	mg/kg	03.28.19 15.27	1
1-Methylnaphthalene	90-12-0	0.0276 U	0.173	0.0276	U	mg/kg	03.28.19 15.27	1
2,4,6-Trichlorophenol	88-06-2	0.0163 U	0.173	0.0163	U	mg/kg	03.28.19 15.27	1
2,4-Dichlorophenol	120-83-2	0.0181 U	0.173	0.0181	U	mg/kg	03.28.19 15.27	1
2,4-Dimethylphenol	105-67-9	0.0171 U	0.173	0.0171	U	mg/kg	03.28.19 15.27	1
2,4-Dinitrophenol	51-28-5	0.0251 U	0.345	0.0251	U	mg/kg	03.28.19 15.27	1
2,4-Dinitrotoluene	121-14-2	0.0132 U	0.173	0.0132	U	mg/kg	03.28.19 15.27	1
2,6-Dinitrotoluene	606-20-2	0.0241 U	0.173	0.0241	U	mg/kg	03.28.19 15.27	1
2-Chloronaphthalene	91-58-7	0.0301 U	0.173	0.0301	U	mg/kg	03.28.19 15.27	1
2-Chlorophenol	95-57-8	0.0164 U	0.173	0.0164	U	mg/kg	03.28.19 15.27	1
2-Methylnaphthalene	91-57-6	0.0468 U	0.173	0.0468	U	mg/kg	03.28.19 15.27	1
2-Nitrophenol	88-75-5	0.0152 U	0.173	0.0152	U	mg/kg	03.28.19 15.27	1
3,3-Dichlorobenzidine	91-94-1	0.0159 U	0.345	0.0159	U	mg/kg	03.28.19 15.27	1
4,6-dinitro-2-methyl phenol	534-52-1	0.0132 U	0.345	0.0132	U	mg/kg	03.28.19 15.27	1
4-Bromophenyl-phenylether	101-55-3	0.0137 U	0.173	0.0137	U	mg/kg	03.28.19 15.27	1
4-chloro-3-methylphenol	59-50-7	0.0191 U	0.173	0.0191	U	mg/kg	03.28.19 15.27	1
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 15.27	1
4-Nitrophenol	100-02-7	0.0268 U	0.345	0.0268	U	mg/kg	03.28.19 15.27	1
Acenaphthene	83-32-9	0.0161 U	0.173	0.0161	U	mg/kg	03.28.19 15.27	1
Acenaphthylene	208-96-8	0.0153 U	0.173	0.0153	U	mg/kg	03.28.19 15.27	1
Anthracene	120-12-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 15.27	1
Benzidine	92-87-5	0.0125 U	0.345	0.0125	U	mg/kg	03.28.19 15.27	1
Benzo(a)anthracene	56-55-3	**0.0166**	0.173	0.0146	I	mg/kg	03.28.19 15.27	1
Benzo(a)pyrene	50-32-8	0.0178 U	0.173	0.0178	U	mg/kg	03.28.19 15.27	1
Benzo(b)fluoranthene	205-99-2	**0.0231**	0.173	0.0130	I	mg/kg	03.28.19 15.27	1
Benzo(g,h,i)perylene	191-24-2	**0.0186**	0.173	0.0159	I	mg/kg	03.28.19 15.27	1
Benzo(k)fluoranthene	207-08-9	0.0201 U	0.173	0.0201	U	mg/kg	03.28.19 15.27	1
Benzyl Butyl Phthalate	85-68-7	0.0188 U	0.173	0.0188	U	mg/kg	03.28.19 15.27	1
bis(2-chloroethoxy) methane	111-91-1	0.0174 U	0.173	0.0174	U	mg/kg	03.28.19 15.27	1
bis(2-chloroethyl) ether	111-44-4	0.0157 U	0.173	0.0157	U	mg/kg	03.28.19 15.27	1
bis(2-chloroisopropyl) ether	39638-32-9	0.0184 U	0.173	0.0184	U	mg/kg	03.28.19 15.27	1
bis(2-ethylhexyl) phthalate	117-81-7	0.173 U	0.345	0.173	U	mg/kg	03.28.19 15.27	1
Chrysene	218-01-9	0.0171 U	0.173	0.0171	U	mg/kg	03.28.19 15.27	1
Dibenz(a,h)anthracene	53-70-3	0.0131 U	0.173	0.0131	U	mg/kg	03.28.19 15.27	1
Diethylphthalate	84-66-2	0.0158 U	0.173	0.0158	U	mg/kg	03.28.19 15.27	1

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**WEST (8')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-003	Date Collected:	03.26.19 11.55		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.54
Analyst:	EKL	Date Prep:	03.28.19 10.21	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0164 U	0.173	0.0164	U	mg/kg	03.28.19 15.27	1
Di-n-butylphthalate	84-74-2	0.0166 U	0.173	0.0166	U	mg/kg	03.28.19 15.27	1
di-n-Octyl Phthalate	117-84-0	0.0137 U	0.173	0.0137	U	mg/kg	03.28.19 15.27	1
Fluoranthene	206-44-0	**0.0255**	0.173	0.0152	I	mg/kg	03.28.19 15.27	1
Fluorene	86-73-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 15.27	1
Hexachlorobenzene	118-74-1	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 15.27	1
Hexachlorobutadiene	87-68-3	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 15.27	1
Hexachlorocyclopentadiene	77-47-4	0.0157 U	0.173	0.0157	U	mg/kg	03.28.19 15.27	1
Hexachloroethane	67-72-1	0.0179 U	0.173	0.0179	U	mg/kg	03.28.19 15.27	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	**0.0145**	0.173	0.0139	I	mg/kg	03.28.19 15.27	1
Isophorone	78-59-1	0.0150 U	0.173	0.0150	U	mg/kg	03.28.19 15.27	1
Naphthalene	91-20-3	0.0162 U	0.173	0.0162	U	mg/kg	03.28.19 15.27	1
Nitrobenzene	98-95-3	0.0191 U	0.173	0.0191	U	mg/kg	03.28.19 15.27	1
N-Nitrosodimethylamine	62-75-9	0.0173 U	0.173	0.0173	U	mg/kg	03.28.19 15.27	1
N-Nitrosodi-n-Propylamine	621-64-7	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 15.27	1
N-Nitrosodiphenylamine	86-30-6	0.0193 U	0.173	0.0193	U	mg/kg	03.28.19 15.27	1
Pentachlorophenol	87-86-5	0.0126 U	0.345	0.0126	U	mg/kg	03.28.19 15.27	1
Phenanthrene	85-01-8	0.0172 U	0.173	0.0172	U	mg/kg	03.28.19 15.27	1
Phenol	108-95-2	0.0155 U	0.345	0.0155	U	mg/kg	03.28.19 15.27	1
Pyrene	129-00-0	**0.0269**	0.173	0.0151	I	mg/kg	03.28.19 15.27	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	55	%	25-121	03.28.19 15.27	
Phenol-d6	13127-88-3	55	%	24-113	03.28.19 15.27	
Nitrobenzene-d5	4165-60-0	50	%	23-120	03.28.19 15.27	
2-Fluorobiphenyl	321-60-8	60	%	30-115	03.28.19 15.27	
2,4,6-Tribromophenol	118-79-6	71	%	19-122	03.28.19 15.27	
Terphenyl-D14	1718-51-0	69	%	18-137	03.28.19 15.27	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**WEST (8')**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-003	Date Collected:	03.26.19 11.55		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	3.54
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00229 U	0.0258	0.00229	U	mg/kg	03.27.19 14.06	1
Acrylonitrile	107-13-1	0.00257 U	0.0258	0.00257	UJ	mg/kg	03.27.19 14.06	1
Benzene	71-43-2	0.000265 U	0.00258	0.000265	U	mg/kg	03.27.19 14.06	1
Bromodichloromethane	75-27-4	0.000258 U	0.00258	0.000258	U	mg/kg	03.27.19 14.06	1
Bromoform	75-25-2	0.000495 U	0.00258	0.000495	U	mg/kg	03.27.19 14.06	1
Methyl bromide	74-83-9	0.000129 U	0.00258	0.000129	U	mg/kg	03.27.19 14.06	1
Carbon Tetrachloride	56-23-5	0.000383 U	0.00258	0.000383	U	mg/kg	03.27.19 14.06	1
Chlorobenzene	108-90-7	0.000299 U	0.00258	0.000299	U	mg/kg	03.27.19 14.06	1
Chloroethane	75-00-3	0.00126 U	0.00516	0.00126	U	mg/kg	03.27.19 14.06	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000385 U	0.00258	0.000385	UJ	mg/kg	03.27.19 14.06	1
Chloroform	67-66-3	0.000382 U	0.00258	0.000382	U	mg/kg	03.27.19 14.06	1
Methyl Chloride	74-87-3	0.00119 U	0.00516	0.00119	U	mg/kg	03.27.19 14.06	1
Dibromochloromethane	124-48-1	0.000513 U	0.00258	0.000513	U	mg/kg	03.27.19 14.06	1
1,2-Dichloroethane	107-06-2	0.000308 U	0.00258	0.000308	U	mg/kg	03.27.19 14.06	1
1,1-Dichloroethane	75-34-3	0.000414 U	0.00258	0.000414	U	mg/kg	03.27.19 14.06	1
trans-1,2-dichloroethylene	156-60-5	0.000402 U	0.00258	0.000402	U	mg/kg	03.27.19 14.06	1
cis-1,2-Dichloroethylene	156-59-2	0.000108 U	0.00258	0.000108	U	mg/kg	03.27.19 14.06	1
1,1-Dichloroethene	75-35-4	0.000598 U	0.00258	0.000598	U	mg/kg	03.27.19 14.06	1
1,2-Dichloropropane	78-87-5	0.000479 U	0.00258	0.000479	U	mg/kg	03.27.19 14.06	1
trans-1,3-dichloropropene	10061-02-6	0.000346 U	0.00258	0.000346	U	mg/kg	03.27.19 14.06	1
cis-1,3-Dichloropropene	10061-01-5	0.0000516 U	0.00258	0.0000516	U	mg/kg	03.27.19 14.06	1
Ethylbenzene	100-41-4	0.000291 U	0.00258	0.000291	U	mg/kg	03.27.19 14.06	1
Methylene Chloride	75-09-2	0.00111 U	0.00516	0.00111	U	mg/kg	03.27.19 14.06	1
MTBE	1634-04-4	0.000357 U	0.00258	0.000357	U	mg/kg	03.27.19 14.06	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000614 U	0.00258	0.000614	U	mg/kg	03.27.19 14.06	1
Tetrachloroethylene	127-18-4	0.0000774 U	0.00258	0.0000774	U	mg/kg	03.27.19 14.06	1
Toluene	108-88-3	0.000303 U	0.00258	0.000303	U	mg/kg	03.27.19 14.06	1
1,1,2-Trichloroethane	79-00-5	0.000346 U	0.00258	0.000346	U	mg/kg	03.27.19 14.06	1
1,1,1-Trichloroethane	71-55-6	0.000388 U	0.00258	0.000388	U	mg/kg	03.27.19 14.06	1
Trichloroethylene	79-01-6	0.000365 U	0.00258	0.000365	U	mg/kg	03.27.19 14.06	1
Trichlorofluoromethane	75-69-4	0.00181 U	0.00258	0.00181	U	mg/kg	03.27.19 14.06	1
Vinyl Chloride	75-01-4	0.00104 U	0.00516	0.00104	U	mg/kg	03.27.19 14.06	1
o-Xylene	95-47-6	0.000369 U	0.00258	0.000369	U	mg/kg	03.27.19 14.06	1
m,p-Xylenes	179601-23-1	0.000624 U	0.00516	0.000624	U	mg/kg	03.27.19 14.06	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	03.27.19 14.06	
Toluene-D8	2037-26-5	97	%	70-130	03.27.19 14.06	
4-Bromofluorobenzene	460-00-4	105	%	30-180	03.27.19 14.06	

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TCCC-APOPKA

Sample Id: **NORTH (Base)** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-004 Date Collected: 03.26.19 12.04

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: 7.9

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.434 U	2.05	0.434	U	mg/kg	03.28.19 03.33	1
Cadmium	7440-43-9	**0.654**	1.02	0.245	I	mg/kg	03.28.19 03.33	1
Chromium	7440-47-3	**9.74**	1.02	0.0721		mg/kg	03.28.19 03.33	1
Lead	7439-92-1	**37.3**	2.05	0.487		mg/kg	03.28.19 03.33	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: 7.9

Analyst: MCK Date Prep: 03.27.19 15.18 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00867 U	0.0904	0.00867	U	mg/kg	03.27.19 21.22	5
PCB-1221	11104-28-2	0.00744 U	0.0904	0.00744	U	mg/kg	03.27.19 21.22	5
PCB-1232	11141-16-5	0.00463 U	0.0904	0.00463	U	mg/kg	03.27.19 21.22	5
PCB-1242	53469-21-9	0.00744 U	0.0904	0.00744	U	mg/kg	03.27.19 21.22	5
PCB-1248	12672-29-6	0.00653 U	0.0904	0.00653	U	mg/kg	03.27.19 21.22	5
PCB-1254	11097-69-1	0.00606 U	0.0904	0.00606	U	mg/kg	03.27.19 21.22	5
PCB-1260	11096-82-5	0.00419 U	0.0904	0.00419	U	mg/kg	03.27.19 21.22	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	72	%	39-125	03.27.19 21.22	
Tetrachloro-m-xylene	877-09-8	39	%	37-124	03.27.19 21.22	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**NORTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-004	Date Collected:	03.26.19 12.04		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	7.9
Analyst:	MIP	Date Prep:	03.27.19 15.18	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00418 U	0.0181	0.00418	U	mg/kg	03.27.19 21.18	5
4,4-DDE	72-55-9	0.00904 U	0.0181	0.00904	U	mg/kg	03.27.19 21.18	5
4,4-DDT	50-29-3	0.00138 U	0.0181	0.00138	U	mg/kg	03.27.19 21.18	5
Aldrin	309-00-2	0.00197 U	0.0181	0.00197	U	mg/kg	03.27.19 21.18	5
Alpha-BHC	319-84-6	0.00369 U	0.0181	0.00369	U	mg/kg	03.27.19 21.18	5
Alpha-Chlordane	5103-71-9	**0.0127**	0.0181	0.00309	I	mg/kg	03.27.19 21.18	5
Beta-BHC	319-85-7	0.00257 U	0.0181	0.00257	U	mg/kg	03.27.19 21.18	5
Delta-BHC	319-86-8	0.00904 U	0.0181	0.00904	UJ	mg/kg	03.27.19 21.18	5
Dieldrin	60-57-1	**0.00651**	0.0181	0.000919	I	mg/kg	03.27.19 21.18	5
Endosulfan I	959-98-8	0.00109 U	0.0181	0.00109	U	mg/kg	03.27.19 21.18	5
Endosulfan II	33213-65-9	0.00202 U	0.0181	0.00202	U	mg/kg	03.27.19 21.18	5
Endosulfan Sulfate	1031-07-8	0.00150 U	0.0181	0.00150	U	mg/kg	03.27.19 21.18	5
Endrin	72-20-8	0.00158 U	0.0181	0.00158	U	mg/kg	03.27.19 21.18	5
Endrin Aldehyde	7421-93-4	0.00134 U	0.0181	0.00134	U	mg/kg	03.27.19 21.18	5
Endrin Ketone	53494-70-5	0.00196 U	0.0181	0.00196	U	mg/kg	03.27.19 21.18	5
Gamma-BHC (Lindane)	58-89-9	0.00238 U	0.0181	0.00238	U	mg/kg	03.27.19 21.18	5
Gamma-Chlordane	5103-74-2	**0.0276**	0.0181	0.00414		mg/kg	03.27.19 21.18	5
Heptachlor	76-44-8	0.00305 U	0.0181	0.00305	U	mg/kg	03.27.19 21.18	5
Heptachlor Epoxide	1024-57-3	0.00133 U	0.0181	0.00133	U	mg/kg	03.27.19 21.18	5
Methoxychlor	72-43-5	0.00275 U	0.0181	0.00275	U	mg/kg	03.27.19 21.18	5
Chlordane	12789-03-6	**0.130**	0.452	0.130	I	mg/kg	03.27.19 21.18	5
Toxaphene	8001-35-2	0.0614 U	0.452	0.0614	U	mg/kg	03.27.19 21.18	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	53	%	35-135	03.27.19 21.18	
Decachlorobiphenyl	2051-24-3	64	%	25-143	03.27.19 21.18	

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TCCC-APOPKA

Sample Id: **NORTH (Base)** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-004 Date Collected: 03.26.19 12.04

Analytical Method: FL-PRO Prep Method: SW3550

Tech: JAI % Moisture: 7.9

Analyst: BIS Date Prep: 03.26.19 14.44 Basis: Dry Weight

Seq Number: 3083714

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**1410**	73.8	36.9		mg/kg	03.28.19 12.47	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	73	%	66-136	03.28.19 12.47	
Nonatriacontane (C39)	7194-86-7	64	%	36-132	03.28.19 12.47	

Analytical Method: PAHs by 8270D SIM Prep Method: SW3550

Tech: MTB % Moisture: 7.9

Analyst: EKL Date Prep: 03.29.19 09.00 Basis: Dry Weight

Seq Number: 3083746 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Benzo(a)anthracene	56-55-3	**0.0190**	0.0181	0.0116		mg/kg	03.29.19 11.37	10
Benzo(a)pyrene	50-32-8	**0.0216**	0.0181	0.0133		mg/kg	03.29.19 11.37	10
Benzo(b)fluoranthene	205-99-2	**0.0322**	0.0181	0.0149		mg/kg	03.29.19 11.37	10
Benzo(k)fluoranthene	207-08-9	0.0145 U	0.0181	0.0145	U	mg/kg	03.29.19 11.37	10
Chrysene	218-01-9	**0.0247**	0.0181	0.0100		mg/kg	03.29.19 11.37	10
Dibenz(a,h)Anthracene	53-70-3	0.0144 U	0.0181	0.0144	U	mg/kg	03.29.19 11.37	10
Indeno(1,2,3-c,d)Pyrene	193-39-5	**0.0223**	0.0181	0.0136		mg/kg	03.29.19 11.37	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Nitrobenzene-d5	4165-60-0	171	%	31-130	03.29.19 11.37	J
2-Fluorobiphenyl	321-60-8	81	%	51-133	03.29.19 11.37	
Terphenyl-D14	1718-51-0	175	%	46-137	03.29.19 11.37	J

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TCCC-APOPKA

Sample Id: **NORTH (Base)** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-004 Date Collected: 03.26.19 12.04

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3550

Tech: MTB % Moisture: 7.9

Analyst: EKL Date Prep: 03.28.19 10.24 Basis: Dry Weight

Seq Number: 3083755 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0788 U	0.904	0.0788	U	mg/kg	03.28.19 15.50	5
1,2-Dichlorobenzene	95-50-1	0.0834 U	0.904	0.0834	U	mg/kg	03.28.19 15.50	5
Azobenzene	103-33-3	0.0943 U	0.904	0.0943	U	mg/kg	03.28.19 15.50	5
1,3-Dichlorobenzene	541-73-1	0.0753 U	0.904	0.0753	U	mg/kg	03.28.19 15.50	5
1,4-Dichlorobenzene	106-46-7	0.0812 U	0.904	0.0812	U	mg/kg	03.28.19 15.50	5
1-Methylnaphthalene	90-12-0	**0.255**	0.904	0.145	I	mg/kg	03.28.19 15.50	5
2,4,6-Trichlorophenol	88-06-2	0.0855 U	0.904	0.0855	U	mg/kg	03.28.19 15.50	5
2,4-Dichlorophenol	120-83-2	0.0946 U	0.904	0.0946	U	mg/kg	03.28.19 15.50	5
2,4-Dimethylphenol	105-67-9	0.0893 U	0.904	0.0893	U	mg/kg	03.28.19 15.50	5
2,4-Dinitrophenol	51-28-5	0.131 U	1.81	0.131	U	mg/kg	03.28.19 15.50	5
2,4-Dinitrotoluene	121-14-2	0.0691 U	0.904	0.0691	U	mg/kg	03.28.19 15.50	5
2,6-Dinitrotoluene	606-20-2	0.126 U	0.904	0.126	U	mg/kg	03.28.19 15.50	5
2-Chloronaphthalene	91-58-7	0.158 U	0.904	0.158	U	mg/kg	03.28.19 15.50	5
2-Chlorophenol	95-57-8	0.0857 U	0.904	0.0857	U	mg/kg	03.28.19 15.50	5
2-Methylnaphthalene	91-57-6	**0.344**	0.904	0.245	I	mg/kg	03.28.19 15.50	5
2-Nitrophenol	88-75-5	0.0795 U	0.904	0.0795	U	mg/kg	03.28.19 15.50	5
3,3-Dichlorobenzidine	91-94-1	0.0835 U	1.81	0.0835	U	mg/kg	03.28.19 15.50	5
4,6-dinitro-2-methyl phenol	534-52-1	0.0690 U	1.81	0.0690	U	mg/kg	03.28.19 15.50	5
4-Bromophenyl-phenylether	101-55-3	0.0719 U	0.904	0.0719	U	mg/kg	03.28.19 15.50	5
4-chloro-3-methylphenol	59-50-7	0.0999 U	0.904	0.0999	U	mg/kg	03.28.19 15.50	5
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0878 U	0.904	0.0878	U	mg/kg	03.28.19 15.50	5
4-Nitrophenol	100-02-7	0.140 U	1.81	0.140	U	mg/kg	03.28.19 15.50	5
Acenaphthene	83-32-9	0.0841 U	0.904	0.0841	U	mg/kg	03.28.19 15.50	5
Acenaphthylene	208-96-8	0.0801 U	0.904	0.0801	U	mg/kg	03.28.19 15.50	5
Anthracene	120-12-7	**0.125**	0.904	0.0749	I	mg/kg	03.28.19 15.50	5
Benzidine	92-87-5	0.0656 U	1.81	0.0656	U	mg/kg	03.28.19 15.50	5
Benzo(a)anthracene	56-55-3	**0.562**	0.904	0.0763	I	mg/kg	03.28.19 15.50	5
Benzo(a)pyrene	50-32-8	**0.638**	0.904	0.0934	I	mg/kg	03.28.19 15.50	5
Benzo(b)fluoranthene	205-99-2	**0.680**	0.904	0.0682	I	mg/kg	03.28.19 15.50	5
Benzo(g,h,i)perylene	191-24-2	**0.486**	0.904	0.0833	I	mg/kg	03.28.19 15.50	5
Benzo(k)fluoranthene	207-08-9	**0.425**	0.904	0.105	I	mg/kg	03.28.19 15.50	5
Benzyl Butyl Phthalate	85-68-7	0.0985 U	0.904	0.0985	U	mg/kg	03.28.19 15.50	5
bis(2-chloroethoxy) methane	111-91-1	0.0912 U	0.904	0.0912	U	mg/kg	03.28.19 15.50	5
bis(2-chloroethyl) ether	111-44-4	0.0824 U	0.904	0.0824	U	mg/kg	03.28.19 15.50	5
bis(2-chloroisopropyl) ether	39638-32-9	0.0965 U	0.904	0.0965	U	mg/kg	03.28.19 15.50	5
bis(2-ethylhexyl) phthalate	117-81-7	0.904 U	1.81	0.904	U	mg/kg	03.28.19 15.50	5
Chrysene	218-01-9	**0.608**	0.904	0.0896	I	mg/kg	03.28.19 15.50	5
Dibenz(a,h)anthracene	53-70-3	0.0688 U	0.904	0.0688	U	mg/kg	03.28.19 15.50	5
Diethylphthalate	84-66-2	0.0830 U	0.904	0.0830	U	mg/kg	03.28.19 15.50	5

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**NORTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-004	Date Collected:	03.26.19 12.04		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	7.9
Analyst:	EKL	Date Prep:	03.28.19 10.24	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0861 U	0.904	0.0861	U	mg/kg	03.28.19 15.50	5
Di-n-butylphthalate	84-74-2	0.0870 U	0.904	0.0870	U	mg/kg	03.28.19 15.50	5
di-n-Octyl Phthalate	117-84-0	**0.103**	0.904	0.0720	I	mg/kg	03.28.19 15.50	5
Fluoranthene	206-44-0	**1.40**	0.904	0.0797		mg/kg	03.28.19 15.50	5
Fluorene	86-73-7	0.0751 U	0.904	0.0751	U	mg/kg	03.28.19 15.50	5
Hexachlorobenzene	118-74-1	0.0880 U	0.904	0.0880	U	mg/kg	03.28.19 15.50	5
Hexachlorobutadiene	87-68-3	0.0751 U	0.904	0.0751	U	mg/kg	03.28.19 15.50	5
Hexachlorocyclopentadiene	77-47-4	0.0825 U	0.904	0.0825	U	mg/kg	03.28.19 15.50	5
Hexachloroethane	67-72-1	0.0937 U	0.904	0.0937	U	mg/kg	03.28.19 15.50	5
Indeno(1,2,3-c,d)Pyrene	193-39-5	**0.420**	0.904	0.0729	I	mg/kg	03.28.19 15.50	5
Isophorone	78-59-1	0.0787 U	0.904	0.0787	U	mg/kg	03.28.19 15.50	5
Naphthalene	91-20-3	0.0847 U	0.904	0.0847	U	mg/kg	03.28.19 15.50	5
Nitrobenzene	98-95-3	0.100 U	0.904	0.100	U	mg/kg	03.28.19 15.50	5
N-Nitrosodimethylamine	62-75-9	0.0909 U	0.904	0.0909	U	mg/kg	03.28.19 15.50	5
N-Nitrosodi-n-Propylamine	621-64-7	0.0943 U	0.904	0.0943	U	mg/kg	03.28.19 15.50	5
N-Nitrosodiphenylamine	86-30-6	0.101 U	0.904	0.101	U	mg/kg	03.28.19 15.50	5
Pentachlorophenol	87-86-5	0.0658 U	1.81	0.0658	U	mg/kg	03.28.19 15.50	5
Phenanthrene	85-01-8	**0.785**	0.904	0.0899	I	mg/kg	03.28.19 15.50	5
Phenol	108-95-2	0.0812 U	1.81	0.0812	U	mg/kg	03.28.19 15.50	5
Pyrene	129-00-0	**1.24**	0.904	0.0792		mg/kg	03.28.19 15.50	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	29	%	25-121	03.28.19 15.50	
Phenol-d6	13127-88-3	32	%	24-113	03.28.19 15.50	
Nitrobenzene-d5	4165-60-0	33	%	23-120	03.28.19 15.50	
2-Fluorobiphenyl	321-60-8	43	%	30-115	03.28.19 15.50	
2,4,6-Tribromophenol	118-79-6	70	%	19-122	03.28.19 15.50	
Terphenyl-D14	1718-51-0	72	%	18-137	03.28.19 15.50	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**NORTH (Base)**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-004	Date Collected:	03.26.19 12.04		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	7.9
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00283 U	0.0318	0.00283	U	mg/kg	03.27.19 16.06	1
Acrylonitrile	107-13-1	0.00318 U	0.0318	0.00318	UJ	mg/kg	03.27.19 16.06	1
Benzene	71-43-2	0.000326 U	0.00318	0.000326	U	mg/kg	03.27.19 16.06	1
Bromodichloromethane	75-27-4	0.000319 U	0.00318	0.000319	U	mg/kg	03.27.19 16.06	1
Bromoform	75-25-2	0.000610 U	0.00318	0.000610	U	mg/kg	03.27.19 16.06	1
Methyl bromide	74-83-9	0.000159 U	0.00318	0.000159	U	mg/kg	03.27.19 16.06	1
Carbon Tetrachloride	56-23-5	0.000472 U	0.00318	0.000472	U	mg/kg	03.27.19 16.06	1
Chlorobenzene	108-90-7	0.000369 U	0.00318	0.000369	U	mg/kg	03.27.19 16.06	1
Chloroethane	75-00-3	0.00155 U	0.00636	0.00155	U	mg/kg	03.27.19 16.06	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000475 U	0.00318	0.000475	UJ	mg/kg	03.27.19 16.06	1
Chloroform	67-66-3	0.000472 U	0.00318	0.000472	U	mg/kg	03.27.19 16.06	1
Methyl Chloride	74-87-3	0.00146 U	0.00636	0.00146	U	mg/kg	03.27.19 16.06	1
Dibromochloromethane	124-48-1	0.000633 U	0.00318	0.000633	U	mg/kg	03.27.19 16.06	1
1,2-Dichloroethane	107-06-2	0.000380 U	0.00318	0.000380	U	mg/kg	03.27.19 16.06	1
1,1-Dichloroethane	75-34-3	0.000510 U	0.00318	0.000510	U	mg/kg	03.27.19 16.06	1
trans-1,2-dichloroethylene	156-60-5	0.000496 U	0.00318	0.000496	U	mg/kg	03.27.19 16.06	1
cis-1,2-Dichloroethylene	156-59-2	0.000134 U	0.00318	0.000134	U	mg/kg	03.27.19 16.06	1
1,1-Dichloroethene	75-35-4	0.000738 U	0.00318	0.000738	U	mg/kg	03.27.19 16.06	1
1,2-Dichloropropane	78-87-5	0.000591 U	0.00318	0.000591	U	mg/kg	03.27.19 16.06	1
trans-1,3-dichloropropene	10061-02-6	0.000426 U	0.00318	0.000426	U	mg/kg	03.27.19 16.06	1
cis-1,3-Dichloropropene	10061-01-5	0.0000636 U	0.00318	0.0000636	U	mg/kg	03.27.19 16.06	1
Ethylbenzene	100-41-4	0.000360 U	0.00318	0.000360	U	mg/kg	03.27.19 16.06	1
Methylene Chloride	75-09-2	0.00137 U	0.00636	0.00137	U	mg/kg	03.27.19 16.06	1
MTBE	1634-04-4	0.000441 U	0.00318	0.000441	U	mg/kg	03.27.19 16.06	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000757 U	0.00318	0.000757	U	mg/kg	03.27.19 16.06	1
Tetrachloroethylene	127-18-4	0.0000955 U	0.00318	0.0000955	U	mg/kg	03.27.19 16.06	1
Toluene	108-88-3	0.000374 U	0.00318	0.000374	U	mg/kg	03.27.19 16.06	1
1,1,2-Trichloroethane	79-00-5	0.000426 U	0.00318	0.000426	U	mg/kg	03.27.19 16.06	1
1,1,1-Trichloroethane	71-55-6	0.000479 U	0.00318	0.000479	U	mg/kg	03.27.19 16.06	1
Trichloroethylene	79-01-6	0.000450 U	0.00318	0.000450	U	mg/kg	03.27.19 16.06	1
Trichlorofluoromethane	75-69-4	0.00223 U	0.00318	0.00223	U	mg/kg	03.27.19 16.06	1
Vinyl Chloride	75-01-4	0.00128 U	0.00636	0.00128	U	mg/kg	03.27.19 16.06	1
o-Xylene	95-47-6	0.000456 U	0.00318	0.000456	U	mg/kg	03.27.19 16.06	1
m,p-Xylenes	179601-23-1	0.000770 U	0.00636	0.000770	U	mg/kg	03.27.19 16.06	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	102	%	53-159	03.27.19 16.06	
Toluene-D8	2037-26-5	102	%	70-130	03.27.19 16.06	
4-Bromofluorobenzene	460-00-4	122	%	30-180	03.27.19 16.06	

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TCCC-APOPKA

Sample Id: **BOTTOM** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-005 Date Collected: 03.26.19 12.09

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: 3.57

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.392 U	1.85	0.392	U	mg/kg	03.28.19 03.38	1
Cadmium	7440-43-9	**0.337**	0.926	0.221	I	mg/kg	03.28.19 03.38	1
Chromium	7440-47-3	**5.90**	0.926	0.0652		mg/kg	03.28.19 03.38	1
Lead	7439-92-1	**6.68**	1.85	0.440		mg/kg	03.28.19 03.38	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: 3.57

Analyst: MCK Date Prep: 03.27.19 15.21 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00332 U	0.0346	0.00332	U	mg/kg	03.28.19 14.39	2
PCB-1221	11104-28-2	0.00285 U	0.0346	0.00285	U	mg/kg	03.28.19 14.39	2
PCB-1232	11141-16-5	0.00177 U	0.0346	0.00177	U	mg/kg	03.28.19 14.39	2
PCB-1242	53469-21-9	0.00285 U	0.0346	0.00285	U	mg/kg	03.28.19 14.39	2
PCB-1248	12672-29-6	0.00250 U	0.0346	0.00250	U	mg/kg	03.28.19 14.39	2
PCB-1254	11097-69-1	0.00232 U	0.0346	0.00232	U	mg/kg	03.28.19 14.39	2
PCB-1260	11096-82-5	0.00161 U	0.0346	0.00161	U	mg/kg	03.28.19 14.39	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	67	%	39-125	03.28.19 14.39	
Tetrachloro-m-xylene	877-09-8	47	%	37-124	03.28.19 14.39	

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TCCC-APOPKA

Sample Id:	**BOTTOM**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-005	Date Collected:	03.26.19 12.09		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.57
Analyst:	MIP	Date Prep:	03.27.19 15.21	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00160 U	0.00692	0.00160	U	mg/kg	03.27.19 21.04	2
4,4-DDE	72-55-9	0.00346 U	0.00692	0.00346	U	mg/kg	03.27.19 21.04	2
4,4-DDT	50-29-3	0.000527 U	0.00692	0.000527	U	mg/kg	03.27.19 21.04	2
Aldrin	309-00-2	0.000753 U	0.00692	0.000753	U	mg/kg	03.27.19 21.04	2
Alpha-BHC	319-84-6	0.00141 U	0.00692	0.00141	U	mg/kg	03.27.19 21.04	2
Alpha-Chlordane	5103-71-9	0.00118 U	0.00692	0.00118	U	mg/kg	03.27.19 21.04	2
Beta-BHC	319-85-7	0.000983 U	0.00692	0.000983	U	mg/kg	03.27.19 21.04	2
Delta-BHC	319-86-8	0.00346 U	0.00692	0.00346	UJ	mg/kg	03.27.19 21.04	2
Dieldrin	60-57-1	**0.00444**	0.00692	0.000352	I	mg/kg	03.27.19 21.04	2
Endosulfan I	959-98-8	0.000419 U	0.00692	0.000419	U	mg/kg	03.27.19 21.04	2
Endosulfan II	33213-65-9	0.000773 U	0.00692	0.000773	U	mg/kg	03.27.19 21.04	2
Endosulfan Sulfate	1031-07-8	0.000573 U	0.00692	0.000573	U	mg/kg	03.27.19 21.04	2
Endrin	72-20-8	0.000604 U	0.00692	0.000604	U	mg/kg	03.27.19 21.04	2
Endrin Aldehyde	7421-93-4	0.000513 U	0.00692	0.000513	U	mg/kg	03.27.19 21.04	2
Endrin Ketone	53494-70-5	0.000749 U	0.00692	0.000749	U	mg/kg	03.27.19 21.04	2
Gamma-BHC (Lindane)	58-89-9	0.000911 U	0.00692	0.000911	U	mg/kg	03.27.19 21.04	2
Gamma-Chlordane	5103-74-2	**0.00202**	0.00692	0.00159	I	mg/kg	03.27.19 21.04	2
Heptachlor	76-44-8	0.00117 U	0.00692	0.00117	U	mg/kg	03.27.19 21.04	2
Heptachlor Epoxide	1024-57-3	0.000508 U	0.00692	0.000508	U	mg/kg	03.27.19 21.04	2
Methoxychlor	72-43-5	0.00105 U	0.00692	0.00105	U	mg/kg	03.27.19 21.04	2
Chlordane	12789-03-6	**0.0496**	0.173	0.0496	I	mg/kg	03.27.19 21.04	2
Toxaphene	8001-35-2	0.0235 U	0.173	0.0235	U	mg/kg	03.27.19 21.04	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	50	%	35-135	03.27.19 21.04	
Decachlorobiphenyl	2051-24-3	60	%	25-143	03.27.19 21.04	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**BOTTOM**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-005	Date Collected:	03.26.19 12.09		
Analytical Method:	FL-PRO			Prep Method:	SW3550
Tech:	JAI			% Moisture:	3.57
Analyst:	BIS	Date Prep:	03.26.19 14.44	Basis:	Dry Weight
Seq Number:	3083714				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**221**	7.05	3.53		mg/kg	03.28.19 07.50	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	98	%	66-136	03.28.19 07.50	
Nonatriacontane (C39)	7194-86-7	32	%	36-132	03.28.19 07.50	J

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**BOTTOM**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-005	Date Collected:	03.26.19 12.09		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.57
Analyst:	EKL	Date Prep:	03.28.19 10.27	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0150 U	0.173	0.0150	U	mg/kg	03.28.19 16.13	1
1,2-Dichlorobenzene	95-50-1	0.0159 U	0.173	0.0159	U	mg/kg	03.28.19 16.13	1
Azobenzene	103-33-3	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 16.13	1
1,3-Dichlorobenzene	541-73-1	0.0144 U	0.173	0.0144	U	mg/kg	03.28.19 16.13	1
1,4-Dichlorobenzene	106-46-7	0.0155 U	0.173	0.0155	U	mg/kg	03.28.19 16.13	1
1-Methylnaphthalene	90-12-0	0.0276 U	0.173	0.0276	U	mg/kg	03.28.19 16.13	1
2,4,6-Trichlorophenol	88-06-2	0.0163 U	0.173	0.0163	U	mg/kg	03.28.19 16.13	1
2,4-Dichlorophenol	120-83-2	0.0181 U	0.173	0.0181	U	mg/kg	03.28.19 16.13	1
2,4-Dimethylphenol	105-67-9	0.0171 U	0.173	0.0171	U	mg/kg	03.28.19 16.13	1
2,4-Dinitrophenol	51-28-5	0.0251 U	0.345	0.0251	U	mg/kg	03.28.19 16.13	1
2,4-Dinitrotoluene	121-14-2	0.0132 U	0.173	0.0132	U	mg/kg	03.28.19 16.13	1
2,6-Dinitrotoluene	606-20-2	0.0241 U	0.173	0.0241	U	mg/kg	03.28.19 16.13	1
2-Chloronaphthalene	91-58-7	0.0301 U	0.173	0.0301	U	mg/kg	03.28.19 16.13	1
2-Chlorophenol	95-57-8	0.0164 U	0.173	0.0164	U	mg/kg	03.28.19 16.13	1
2-Methylnaphthalene	91-57-6	0.0468 U	0.173	0.0468	U	mg/kg	03.28.19 16.13	1
2-Nitrophenol	88-75-5	0.0152 U	0.173	0.0152	U	mg/kg	03.28.19 16.13	1
3,3-Dichlorobenzidine	91-94-1	0.0159 U	0.345	0.0159	U	mg/kg	03.28.19 16.13	1
4,6-dinitro-2-methyl phenol	534-52-1	0.0132 U	0.345	0.0132	U	mg/kg	03.28.19 16.13	1
4-Bromophenyl-phenylether	101-55-3	0.0137 U	0.173	0.0137	U	mg/kg	03.28.19 16.13	1
4-chloro-3-methylphenol	59-50-7	0.0191 U	0.173	0.0191	U	mg/kg	03.28.19 16.13	1
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 16.13	1
4-Nitrophenol	100-02-7	0.0268 U	0.345	0.0268	U	mg/kg	03.28.19 16.13	1
Acenaphthene	83-32-9	0.0161 U	0.173	0.0161	U	mg/kg	03.28.19 16.13	1
Acenaphthylene	208-96-8	**0.0180**	0.173	0.0153	I	mg/kg	03.28.19 16.13	1
Anthracene	120-12-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 16.13	1
Benzidine	92-87-5	0.0125 U	0.345	0.0125	U	mg/kg	03.28.19 16.13	1
Benzo(a)anthracene	56-55-3	**0.0221**	0.173	0.0146	I	mg/kg	03.28.19 16.13	1
Benzo(a)pyrene	50-32-8	**0.0300**	0.173	0.0178	I	mg/kg	03.28.19 16.13	1
Benzo(b)fluoranthene	205-99-2	**0.0276**	0.173	0.0130	I	mg/kg	03.28.19 16.13	1
Benzo(g,h,i)perylene	191-24-2	**0.0287**	0.173	0.0159	I	mg/kg	03.28.19 16.13	1
Benzo(k)fluoranthene	207-08-9	**0.0211**	0.173	0.0201	I	mg/kg	03.28.19 16.13	1
Benzyl Butyl Phthalate	85-68-7	0.0188 U	0.173	0.0188	U	mg/kg	03.28.19 16.13	1
bis(2-chloroethoxy) methane	111-91-1	0.0174 U	0.173	0.0174	U	mg/kg	03.28.19 16.13	1
bis(2-chloroethyl) ether	111-44-4	0.0157 U	0.173	0.0157	U	mg/kg	03.28.19 16.13	1
bis(2-chloroisopropyl) ether	39638-32-9	0.0184 U	0.173	0.0184	U	mg/kg	03.28.19 16.13	1
bis(2-ethylhexyl) phthalate	117-81-7	0.173 U	0.345	0.173	U	mg/kg	03.28.19 16.13	1
Chrysene	218-01-9	**0.0245**	0.173	0.0171	I	mg/kg	03.28.19 16.13	1
Dibenz(a,h)anthracene	53-70-3	0.0131 U	0.173	0.0131	U	mg/kg	03.28.19 16.13	1
Diethylphthalate	84-66-2	0.0158 U	0.173	0.0158	U	mg/kg	03.28.19 16.13	1

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TCCC-APOPKA

Sample Id:	**BOTTOM**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-005	Date Collected:	03.26.19 12.09		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	3.57
Analyst:	EKL	Date Prep:	03.28.19 10.27	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0164 U	0.173	0.0164	U	mg/kg	03.28.19 16.13	1
Di-n-butylphthalate	84-74-2	0.0166 U	0.173	0.0166	U	mg/kg	03.28.19 16.13	1
di-n-Octyl Phthalate	117-84-0	0.0137 U	0.173	0.0137	U	mg/kg	03.28.19 16.13	1
Fluoranthene	206-44-0	**0.0166**	0.173	0.0152	I	mg/kg	03.28.19 16.13	1
Fluorene	86-73-7	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 16.13	1
Hexachlorobenzene	118-74-1	0.0168 U	0.173	0.0168	U	mg/kg	03.28.19 16.13	1
Hexachlorobutadiene	87-68-3	0.0143 U	0.173	0.0143	U	mg/kg	03.28.19 16.13	1
Hexachlorocyclopentadiene	77-47-4	0.0157 U	0.173	0.0157	U	mg/kg	03.28.19 16.13	1
Hexachloroethane	67-72-1	0.0179 U	0.173	0.0179	U	mg/kg	03.28.19 16.13	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	**0.0224**	0.173	0.0139	I	mg/kg	03.28.19 16.13	1
Isophorone	78-59-1	0.0150 U	0.173	0.0150	U	mg/kg	03.28.19 16.13	1
Naphthalene	91-20-3	0.0162 U	0.173	0.0162	U	mg/kg	03.28.19 16.13	1
Nitrobenzene	98-95-3	0.0191 U	0.173	0.0191	U	mg/kg	03.28.19 16.13	1
N-Nitrosodimethylamine	62-75-9	0.0173 U	0.173	0.0173	U	mg/kg	03.28.19 16.13	1
N-Nitrosodi-n-Propylamine	621-64-7	0.0180 U	0.173	0.0180	U	mg/kg	03.28.19 16.13	1
N-Nitrosodiphenylamine	86-30-6	0.0193 U	0.173	0.0193	U	mg/kg	03.28.19 16.13	1
Pentachlorophenol	87-86-5	0.0126 U	0.345	0.0126	U	mg/kg	03.28.19 16.13	1
Phenanthrene	85-01-8	0.0172 U	0.173	0.0172	U	mg/kg	03.28.19 16.13	1
Phenol	108-95-2	0.0155 U	0.345	0.0155	U	mg/kg	03.28.19 16.13	1
Pyrene	129-00-0	**0.0249**	0.173	0.0151	I	mg/kg	03.28.19 16.13	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	56	%	25-121	03.28.19 16.13	
Phenol-d6	13127-88-3	58	%	24-113	03.28.19 16.13	
Nitrobenzene-d5	4165-60-0	54	%	23-120	03.28.19 16.13	
2-Fluorobiphenyl	321-60-8	63	%	30-115	03.28.19 16.13	
2,4,6-Tribromophenol	118-79-6	89	%	19-122	03.28.19 16.13	
Terphenyl-D14	1718-51-0	94	%	18-137	03.28.19 16.13	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**BOTTOM**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-005	Date Collected:	03.26.19 12.09		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	3.57
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00277 U	0.0312	0.00277	U	mg/kg	03.27.19 14.25	1
Acrylonitrile	107-13-1	0.00312 U	0.0312	0.00312	UJ	mg/kg	03.27.19 14.25	1
Benzene	71-43-2	0.000320 U	0.00312	0.000320	U	mg/kg	03.27.19 14.25	1
Bromodichloromethane	75-27-4	0.000313 U	0.00312	0.000313	U	mg/kg	03.27.19 14.25	1
Bromoform	75-25-2	0.000599 U	0.00312	0.000599	U	mg/kg	03.27.19 14.25	1
Methyl bromide	74-83-9	0.000156 U	0.00312	0.000156	U	mg/kg	03.27.19 14.25	1
Carbon Tetrachloride	56-23-5	0.000464 U	0.00312	0.000464	U	mg/kg	03.27.19 14.25	1
Chlorobenzene	108-90-7	0.000362 U	0.00312	0.000362	U	mg/kg	03.27.19 14.25	1
Chloroethane	75-00-3	0.00152 U	0.00625	0.00152	U	mg/kg	03.27.19 14.25	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000467 U	0.00312	0.000467	UJ	mg/kg	03.27.19 14.25	1
Chloroform	67-66-3	0.000463 U	0.00312	0.000463	U	mg/kg	03.27.19 14.25	1
Methyl Chloride	74-87-3	0.00144 U	0.00625	0.00144	U	mg/kg	03.27.19 14.25	1
Dibromochloromethane	124-48-1	0.000621 U	0.00312	0.000621	U	mg/kg	03.27.19 14.25	1
1,2-Dichloroethane	107-06-2	0.000373 U	0.00312	0.000373	U	mg/kg	03.27.19 14.25	1
1,1-Dichloroethane	75-34-3	0.000501 U	0.00312	0.000501	U	mg/kg	03.27.19 14.25	1
trans-1,2-dichloroethylene	156-60-5	0.000487 U	0.00312	0.000487	U	mg/kg	03.27.19 14.25	1
cis-1,2-Dichloroethylene	156-59-2	0.000131 U	0.00312	0.000131	U	mg/kg	03.27.19 14.25	1
1,1-Dichloroethene	75-35-4	0.000725 U	0.00312	0.000725	U	mg/kg	03.27.19 14.25	1
1,2-Dichloropropane	78-87-5	0.000580 U	0.00312	0.000580	U	mg/kg	03.27.19 14.25	1
trans-1,3-dichloropropene	10061-02-6	0.000419 U	0.00312	0.000419	U	mg/kg	03.27.19 14.25	1
cis-1,3-Dichloropropene	10061-01-5	0.0000625 U	0.00312	0.0000625	U	mg/kg	03.27.19 14.25	1
Ethylbenzene	100-41-4	0.000353 U	0.00312	0.000353	U	mg/kg	03.27.19 14.25	1
Methylene Chloride	75-09-2	0.00135 U	0.00625	0.00135	U	mg/kg	03.27.19 14.25	1
MTBE	1634-04-4	0.000433 U	0.00312	0.000433	U	mg/kg	03.27.19 14.25	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000743 U	0.00312	0.000743	U	mg/kg	03.27.19 14.25	1
Tetrachloroethylene	127-18-4	0.0000937 U	0.00312	0.0000937	U	mg/kg	03.27.19 14.25	1
Toluene	108-88-3	0.000367 U	0.00312	0.000367	U	mg/kg	03.27.19 14.25	1
1,1,2-Trichloroethane	79-00-5	0.000419 U	0.00312	0.000419	U	mg/kg	03.27.19 14.25	1
1,1,1-Trichloroethane	71-55-6	0.000470 U	0.00312	0.000470	U	mg/kg	03.27.19 14.25	1
Trichloroethylene	79-01-6	0.000442 U	0.00312	0.000442	U	mg/kg	03.27.19 14.25	1
Trichlorofluoromethane	75-69-4	0.00219 U	0.00312	0.00219	U	mg/kg	03.27.19 14.25	1
Vinyl Chloride	75-01-4	0.00126 U	0.00625	0.00126	U	mg/kg	03.27.19 14.25	1
o-Xylene	95-47-6	0.000447 U	0.00312	0.000447	U	mg/kg	03.27.19 14.25	1
m,p-Xylenes	179601-23-1	0.000756 U	0.00625	0.000756	U	mg/kg	03.27.19 14.25	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	03.27.19 14.25	
Toluene-D8	2037-26-5	98	%	70-130	03.27.19 14.25	
4-Bromofluorobenzene	460-00-4	110	%	30-180	03.27.19 14.25	

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TCCC-APOPKA

Sample Id: **STOCKPILE** Matrix: Solid Date Received:03.26.19 17.24

Lab Sample Id: 618975-006 Date Collected: 03.26.19 12.20

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3050B

Tech: PJB % Moisture: .41

Analyst: DEP Date Prep: 03.27.19 15.00 Basis: Dry Weight

Seq Number: 3083697 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	0.355 U	1.67	0.355	U	mg/kg	03.28.19 03.42	1
Cadmium	7440-43-9	**0.214**	0.837	0.200	I	mg/kg	03.28.19 03.42	1
Chromium	7440-47-3	**2.24**	0.837	0.0589		mg/kg	03.28.19 03.42	1
Lead	7439-92-1	**11.3**	1.67	0.398		mg/kg	03.28.19 03.42	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3550

Tech: MTB % Moisture: .41

Analyst: MCK Date Prep: 03.27.19 15.24 Basis: Dry Weight

Seq Number: 3083738 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.00802 U	0.0836	0.00802	U	mg/kg	03.28.19 14.51	5
PCB-1221	11104-28-2	0.00688 U	0.0836	0.00688	U	mg/kg	03.28.19 14.51	5
PCB-1232	11141-16-5	0.00428 U	0.0836	0.00428	U	mg/kg	03.28.19 14.51	5
PCB-1242	53469-21-9	0.00688 U	0.0836	0.00688	U	mg/kg	03.28.19 14.51	5
PCB-1248	12672-29-6	0.00604 U	0.0836	0.00604	U	mg/kg	03.28.19 14.51	5
PCB-1254	11097-69-1	0.00560 U	0.0836	0.00560	U	mg/kg	03.28.19 14.51	5
PCB-1260	11096-82-5	0.00388 U	0.0836	0.00388	U	mg/kg	03.28.19 14.51	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	85	%	39-125	03.28.19 14.51	
Tetrachloro-m-xylene	877-09-8	63	%	37-124	03.28.19 14.51	

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TCCC-APOPKA

Sample Id:	**STOCKPILE**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-006	Date Collected:	03.26.19 12.20		
Analytical Method:	Pesticides by SW-846 8081B			Prep Method:	SW3550
Tech:	MTB			% Moisture:	.41
Analyst:	MIP	Date Prep:	03.27.19 15.24	Basis:	Dry Weight
Seq Number:	3083716			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.00387 U	0.0167	0.00387	U	mg/kg	03.27.19 21.31	5
4,4-DDE	72-55-9	0.00836 U	0.0167	0.00836	U	mg/kg	03.27.19 21.31	5
4,4-DDT	50-29-3	0.00127 U	0.0167	0.00127	U	mg/kg	03.27.19 21.31	5
Aldrin	309-00-2	0.00182 U	0.0167	0.00182	U	mg/kg	03.27.19 21.31	5
Alpha-BHC	319-84-6	0.00341 U	0.0167	0.00341	U	mg/kg	03.27.19 21.31	5
Alpha-Chlordane	5103-71-9	0.00286 U	0.0167	0.00286	U	mg/kg	03.27.19 21.31	5
Beta-BHC	319-85-7	0.00238 U	0.0167	0.00238	U	mg/kg	03.27.19 21.31	5
Delta-BHC	319-86-8	0.00836 U	0.0167	0.00836	UJ	mg/kg	03.27.19 21.31	5
Dieldrin	60-57-1	**0.00303**	0.0167	0.000850	I	mg/kg	03.27.19 21.31	5
Endosulfan I	959-98-8	0.00101 U	0.0167	0.00101	U	mg/kg	03.27.19 21.31	5
Endosulfan II	33213-65-9	0.00187 U	0.0167	0.00187	U	mg/kg	03.27.19 21.31	5
Endosulfan Sulfate	1031-07-8	0.00138 U	0.0167	0.00138	U	mg/kg	03.27.19 21.31	5
Endrin	72-20-8	0.00146 U	0.0167	0.00146	U	mg/kg	03.27.19 21.31	5
Endrin Aldehyde	7421-93-4	0.00124 U	0.0167	0.00124	U	mg/kg	03.27.19 21.31	5
Endrin Ketone	53494-70-5	0.00181 U	0.0167	0.00181	U	mg/kg	03.27.19 21.31	5
Gamma-BHC (Lindane)	58-89-9	0.00220 U	0.0167	0.00220	U	mg/kg	03.27.19 21.31	5
Gamma-Chlordane	5103-74-2	**0.00571**	0.0167	0.00383	I	mg/kg	03.27.19 21.31	5
Heptachlor	76-44-8	0.00282 U	0.0167	0.00282	U	mg/kg	03.27.19 21.31	5
Heptachlor Epoxide	1024-57-3	0.00123 U	0.0167	0.00123	U	mg/kg	03.27.19 21.31	5
Methoxychlor	72-43-5	0.00254 U	0.0167	0.00254	U	mg/kg	03.27.19 21.31	5
Chlordane	12789-03-6	0.120 U	0.418	0.120	U	mg/kg	03.27.19 21.31	5
Toxaphene	8001-35-2	0.0568 U	0.418	0.0568	U	mg/kg	03.27.19 21.31	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	82	%	35-135	03.27.19 21.31	
Decachlorobiphenyl	2051-24-3	71	%	25-143	03.27.19 21.31	

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TCCC-APOPKA

Sample Id:	**STOCKPILE**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-006	Date Collected:	03.26.19 12.20		
Analytical Method:	FL-PRO			Prep Method:	SW3550
Tech:	JAI			% Moisture:	.41
Analyst:	BIS	Date Prep:	03.26.19 14.44	Basis:	Dry Weight
Seq Number:	3083714				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	**547**	34.1	17.1		mg/kg	03.28.19 12.22	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	67	%	66-136	03.28.19 12.22	
Nonatriacontane (C39)	7194-86-7	68	%	36-132	03.28.19 12.22	

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Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**STOCKPILE**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-006	Date Collected:	03.26.19 12.20		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	.41
Analyst:	EKL	Date Prep:	03.28.19 10.30	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.0728 U	0.836	0.0728	U	mg/kg	03.28.19 16.36	5
1,2-Dichlorobenzene	95-50-1	0.0771 U	0.836	0.0771	U	mg/kg	03.28.19 16.36	5
Azobenzene	103-33-3	0.0872 U	0.836	0.0872	U	mg/kg	03.28.19 16.36	5
1,3-Dichlorobenzene	541-73-1	0.0696 U	0.836	0.0696	U	mg/kg	03.28.19 16.36	5
1,4-Dichlorobenzene	106-46-7	0.0751 U	0.836	0.0751	U	mg/kg	03.28.19 16.36	5
1-Methylnaphthalene	90-12-0	**0.463**	0.836	0.134	I	mg/kg	03.28.19 16.36	5
2,4,6-Trichlorophenol	88-06-2	0.0790 U	0.836	0.0790	U	mg/kg	03.28.19 16.36	5
2,4-Dichlorophenol	120-83-2	0.0874 U	0.836	0.0874	U	mg/kg	03.28.19 16.36	5
2,4-Dimethylphenol	105-67-9	0.0826 U	0.836	0.0826	U	mg/kg	03.28.19 16.36	5
2,4-Dinitrophenol	51-28-5	0.121 U	1.67	0.121	U	mg/kg	03.28.19 16.36	5
2,4-Dinitrotoluene	121-14-2	0.0639 U	0.836	0.0639	U	mg/kg	03.28.19 16.36	5
2,6-Dinitrotoluene	606-20-2	0.117 U	0.836	0.117	U	mg/kg	03.28.19 16.36	5
2-Chloronaphthalene	91-58-7	0.146 U	0.836	0.146	U	mg/kg	03.28.19 16.36	5
2-Chlorophenol	95-57-8	0.0792 U	0.836	0.0792	U	mg/kg	03.28.19 16.36	5
2-Methylnaphthalene	91-57-6	**0.662**	0.836	0.227	I	mg/kg	03.28.19 16.36	5
2-Nitrophenol	88-75-5	0.0735 U	0.836	0.0735	U	mg/kg	03.28.19 16.36	5
3,3-Dichlorobenzidine	91-94-1	0.0772 U	1.67	0.0772	U	mg/kg	03.28.19 16.36	5
4,6-dinitro-2-methyl phenol	534-52-1	0.0638 U	1.67	0.0638	U	mg/kg	03.28.19 16.36	5
4-Bromophenyl-phenylether	101-55-3	0.0665 U	0.836	0.0665	U	mg/kg	03.28.19 16.36	5
4-chloro-3-methylphenol	59-50-7	0.0923 U	0.836	0.0923	U	mg/kg	03.28.19 16.36	5
4-Chlorophenyl Phenyl Ether	7005-72-3	0.0812 U	0.836	0.0812	U	mg/kg	03.28.19 16.36	5
4-Nitrophenol	100-02-7	0.130 U	1.67	0.130	U	mg/kg	03.28.19 16.36	5
Acenaphthene	83-32-9	0.0778 U	0.836	0.0778	U	mg/kg	03.28.19 16.36	5
Acenaphthylene	208-96-8	0.0741 U	0.836	0.0741	U	mg/kg	03.28.19 16.36	5
Anthracene	120-12-7	0.0693 U	0.836	0.0693	U	mg/kg	03.28.19 16.36	5
Benzidine	92-87-5	0.0607 U	1.67	0.0607	U	mg/kg	03.28.19 16.36	5
Benzo(a)anthracene	56-55-3	0.0706 U	0.836	0.0706	U	mg/kg	03.28.19 16.36	5
Benzo(a)pyrene	50-32-8	0.0863 U	0.836	0.0863	U	mg/kg	03.28.19 16.36	5
Benzo(b)fluoranthene	205-99-2	0.0630 U	0.836	0.0630	U	mg/kg	03.28.19 16.36	5
Benzo(g,h,i)perylene	191-24-2	0.0770 U	0.836	0.0770	U	mg/kg	03.28.19 16.36	5
Benzo(k)fluoranthene	207-08-9	0.0971 U	0.836	0.0971	U	mg/kg	03.28.19 16.36	5
Benzyl Butyl Phthalate	85-68-7	0.0910 U	0.836	0.0910	U	mg/kg	03.28.19 16.36	5
bis(2-chloroethoxy) methane	111-91-1	0.0843 U	0.836	0.0843	U	mg/kg	03.28.19 16.36	5
bis(2-chloroethyl) ether	111-44-4	0.0762 U	0.836	0.0762	U	mg/kg	03.28.19 16.36	5
bis(2-chloroisopropyl) ether	39638-32-9	0.0892 U	0.836	0.0892	U	mg/kg	03.28.19 16.36	5
bis(2-ethylhexyl) phthalate	117-81-7	0.836 U	1.67	0.836	U	mg/kg	03.28.19 16.36	5
Chrysene	218-01-9	0.0829 U	0.836	0.0829	U	mg/kg	03.28.19 16.36	5
Dibenz(a,h)anthracene	53-70-3	0.0636 U	0.836	0.0636	U	mg/kg	03.28.19 16.36	5
Diethylphthalate	84-66-2	0.0767 U	0.836	0.0767	U	mg/kg	03.28.19 16.36	5

Certificate of Analytical Results 618975

Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**STOCKPILE**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-006	Date Collected:	03.26.19 12.20		
Analytical Method:	SVOCs PP List by SW-846 8270D			Prep Method:	SW3550
Tech:	MTB			% Moisture:	.41
Analyst:	EKL	Date Prep:	03.28.19 10.30	Basis:	Dry Weight
Seq Number:	3083755			SUB:	E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Dimethyl Phthalate	131-11-3	0.0796 U	0.836	0.0796	U	mg/kg	03.28.19 16.36	5
Di-n-butylphthalate	84-74-2	0.0805 U	0.836	0.0805	U	mg/kg	03.28.19 16.36	5
di-n-Octyl Phthalate	117-84-0	0.0666 U	0.836	0.0666	U	mg/kg	03.28.19 16.36	5
Fluoranthene	206-44-0	0.0737 U	0.836	0.0737	U	mg/kg	03.28.19 16.36	5
Fluorene	86-73-7	0.0694 U	0.836	0.0694	U	mg/kg	03.28.19 16.36	5
Hexachlorobenzene	118-74-1	0.0813 U	0.836	0.0813	U	mg/kg	03.28.19 16.36	5
Hexachlorobutadiene	87-68-3	0.0694 U	0.836	0.0694	U	mg/kg	03.28.19 16.36	5
Hexachlorocyclopentadiene	77-47-4	0.0763 U	0.836	0.0763	U	mg/kg	03.28.19 16.36	5
Hexachloroethane	67-72-1	0.0867 U	0.836	0.0867	U	mg/kg	03.28.19 16.36	5
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.0674 U	0.836	0.0674	U	mg/kg	03.28.19 16.36	5
Isophorone	78-59-1	0.0728 U	0.836	0.0728	U	mg/kg	03.28.19 16.36	5
Naphthalene	91-20-3	0.0783 U	0.836	0.0783	U	mg/kg	03.28.19 16.36	5
Nitrobenzene	98-95-3	0.0927 U	0.836	0.0927	U	mg/kg	03.28.19 16.36	5
N-Nitrosodimethylamine	62-75-9	0.0840 U	0.836	0.0840	U	mg/kg	03.28.19 16.36	5
N-Nitrosodi-n-Propylamine	621-64-7	0.0872 U	0.836	0.0872	U	mg/kg	03.28.19 16.36	5
N-Nitrosodiphenylamine	86-30-6	0.0934 U	0.836	0.0934	U	mg/kg	03.28.19 16.36	5
Pentachlorophenol	87-86-5	0.0608 U	1.67	0.0608	U	mg/kg	03.28.19 16.36	5
Phenanthrene	85-01-8	**0.139**	0.836	0.0831	I	mg/kg	03.28.19 16.36	5
Phenol	108-95-2	0.0751 U	1.67	0.0751	U	mg/kg	03.28.19 16.36	5
Pyrene	129-00-0	0.0732 U	0.836	0.0732	U	mg/kg	03.28.19 16.36	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	24	%	25-121	03.28.19 16.36	J
Phenol-d6	13127-88-3	22	%	24-113	03.28.19 16.36	J
Nitrobenzene-d5	4165-60-0	23	%	23-120	03.28.19 16.36	
2-Fluorobiphenyl	321-60-8	26	%	30-115	03.28.19 16.36	J
2,4,6-Tribromophenol	118-79-6	42	%	19-122	03.28.19 16.36	
Terphenyl-D14	1718-51-0	45	%	18-137	03.28.19 16.36	

Certificate of Analytical Results 618975

Wood Environment & Infrastructure Solutions, Tampa, FL

TCCC-APOPKA

Sample Id:	**STOCKPILE**	Matrix:	Solid	Date Received:	03.26.19 17.24
Lab Sample Id:	618975-006	Date Collected:	03.26.19 12.20		
Analytical Method:	VOCs PP List by SW-846 8260BPP			Prep Method:	SW5035A
Tech:	JNL			% Moisture:	.41
Analyst:	JNL	Date Prep:	03.27.19 07.40	Basis:	Dry Weight
Seq Number:	3083532				

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.00289 U	0.0325	0.00289	U	mg/kg	03.27.19 14.44	1
Acrylonitrile	107-13-1	0.00325 U	0.0325	0.00325	UJ	mg/kg	03.27.19 14.44	1
Benzene	71-43-2	0.000334 U	0.00325	0.000334	U	mg/kg	03.27.19 14.44	1
Bromodichloromethane	75-27-4	0.000326 U	0.00325	0.000326	U	mg/kg	03.27.19 14.44	1
Bromoform	75-25-2	0.000624 U	0.00325	0.000624	U	mg/kg	03.27.19 14.44	1
Methyl bromide	74-83-9	0.000163 U	0.00325	0.000163	U	mg/kg	03.27.19 14.44	1
Carbon Tetrachloride	56-23-5	0.000483 U	0.00325	0.000483	U	mg/kg	03.27.19 14.44	1
Chlorobenzene	108-90-7	0.000377 U	0.00325	0.000377	U	mg/kg	03.27.19 14.44	1
Chloroethane	75-00-3	0.00159 U	0.00650	0.00159	U	mg/kg	03.27.19 14.44	1
2-Chloroethyl Vinyl Ether	110-75-8	0.000486 U	0.00325	0.000486	UJ	mg/kg	03.27.19 14.44	1
Chloroform	67-66-3	0.000482 U	0.00325	0.000482	U	mg/kg	03.27.19 14.44	1
Methyl Chloride	74-87-3	0.00150 U	0.00650	0.00150	U	mg/kg	03.27.19 14.44	1
Dibromochloromethane	124-48-1	0.000646 U	0.00325	0.000646	U	mg/kg	03.27.19 14.44	1
1,2-Dichloroethane	107-06-2	0.000388 U	0.00325	0.000388	U	mg/kg	03.27.19 14.44	1
1,1-Dichloroethane	75-34-3	0.000522 U	0.00325	0.000522	U	mg/kg	03.27.19 14.44	1
trans-1,2-dichloroethylene	156-60-5	0.000507 U	0.00325	0.000507	U	mg/kg	03.27.19 14.44	1
cis-1,2-Dichloroethylene	156-59-2	0.000137 U	0.00325	0.000137	U	mg/kg	03.27.19 14.44	1
1,1-Dichloroethene	75-35-4	0.000754 U	0.00325	0.000754	U	mg/kg	03.27.19 14.44	1
1,2-Dichloropropane	78-87-5	0.000604 U	0.00325	0.000604	U	mg/kg	03.27.19 14.44	1
trans-1,3-dichloropropene	10061-02-6	0.000436 U	0.00325	0.000436	U	mg/kg	03.27.19 14.44	1
cis-1,3-Dichloropropene	10061-01-5	0.0000650 U	0.00325	0.0000650	U	mg/kg	03.27.19 14.44	1
Ethylbenzene	100-41-4	0.000367 U	0.00325	0.000367	U	mg/kg	03.27.19 14.44	1
Methylene Chloride	75-09-2	0.00140 U	0.00650	0.00140	U	mg/kg	03.27.19 14.44	1
MTBE	1634-04-4	0.000451 U	0.00325	0.000451	U	mg/kg	03.27.19 14.44	1
1,1,2,2-Tetrachloroethane	79-34-5	0.000774 U	0.00325	0.000774	U	mg/kg	03.27.19 14.44	1
Tetrachloroethylene	127-18-4	0.0000976 U	0.00325	0.0000976	U	mg/kg	03.27.19 14.44	1
Toluene	108-88-3	0.000382 U	0.00325	0.000382	U	mg/kg	03.27.19 14.44	1
1,1,2-Trichloroethane	79-00-5	0.000436 U	0.00325	0.000436	U	mg/kg	03.27.19 14.44	1
1,1,1-Trichloroethane	71-55-6	0.000490 U	0.00325	0.000490	U	mg/kg	03.27.19 14.44	1
Trichloroethylene	79-01-6	0.000460 U	0.00325	0.000460	U	mg/kg	03.27.19 14.44	1
Trichlorofluoromethane	75-69-4	0.00228 U	0.00325	0.00228	U	mg/kg	03.27.19 14.44	1
Vinyl Chloride	75-01-4	0.00131 U	0.00650	0.00131	U	mg/kg	03.27.19 14.44	1
o-Xylene	95-47-6	0.000466 U	0.00325	0.000466	U	mg/kg	03.27.19 14.44	1
m,p-Xylenes	179601-23-1	0.000787 U	0.00650	0.000787	U	mg/kg	03.27.19 14.44	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	03.27.19 14.44	
Toluene-D8	2037-26-5	104	%	70-130	03.27.19 14.44	
4-Bromofluorobenzene	460-00-4	113	%	30-180	03.27.19 14.44	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : FL-PRO
Work Order #: **618975**
Date Received: 03/26/19

Client : Wood Environment & Infrastructure S
Project ID: 6121-17-0478

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19	03/26/19	14	0	03/28/19	40	2	
SOUTH (Base)	618975-002	03/26/19	03/26/19	14	0	03/28/19	40	2	
WEST (8')	618975-003	03/26/19	03/26/19	14	0	03/28/19	40	2	
NORTH (Base)	618975-004	03/26/19	03/26/19	14	0	03/28/19	40	2	
BOTTOM	618975-005	03/26/19	03/26/19	14	0	03/28/19	40	2	
STOCKPILE	618975-006	03/26/19	03/26/19	14	0	03/28/19	40	2	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : PAHs by 8270D SIM
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
NORTH (Base)	618975-004	03/26/19	03/29/19	14	3	03/29/19	40	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Percent Moisture by SM2540G
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19				03/26/19	180	0	
SOUTH (Base)	618975-002	03/26/19				03/26/19	180	0	
WEST (8')	618975-003	03/26/19				03/26/19	180	0	
NORTH (Base)	618975-004	03/26/19				03/26/19	180	0	
BOTTOM	618975-005	03/26/19				03/26/19	180	0	
STOCKPILE	618975-006	03/26/19				03/26/19	180	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : 4 RCRA Metals By SW6010C
Work Order #: **618975**
Date Received: 03/26/19

Client : Wood Environment & Infrastructure S
Project ID: 6121-17-0478

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19	03/27/19	180	1	03/28/19	180	1	
SOUTH (Base)	618975-002	03/26/19	03/27/19	180	1	03/28/19	180	1	
WEST (8')	618975-003	03/26/19	03/27/19	180	1	03/28/19	180	1	
NORTH (Base)	618975-004	03/26/19	03/27/19	180	1	03/28/19	180	1	
BOTTOM	618975-005	03/26/19	03/27/19	180	1	03/28/19	180	1	
STOCKPILE	618975-006	03/26/19	03/27/19	180	1	03/28/19	180	1	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Pesticides by SW-846 8081B
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19	03/27/19	14	1	03/27/19	40	0	
SOUTH (Base)	618975-002	03/26/19	03/27/19	14	1	03/27/19	40	0	
WEST (8')	618975-003	03/26/19	03/27/19	14	1	03/27/19	40	0	
NORTH (Base)	618975-004	03/26/19	03/27/19	14	1	03/27/19	40	0	
BOTTOM	618975-005	03/26/19	03/27/19	14	1	03/27/19	40	0	
STOCKPILE	618975-006	03/26/19	03/27/19	14	1	03/27/19	40	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : PCBs by SW-846 8082A
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19	03/27/19	365	1	03/27/19	40	0	
SOUTH (Base)	618975-002	03/26/19	03/27/19	365	1	03/27/19	40	0	
WEST (8')	618975-003	03/26/19	03/27/19	365	1	03/27/19	40	0	
NORTH (Base)	618975-004	03/26/19	03/27/19	365	1	03/27/19	40	0	
BOTTOM	618975-005	03/26/19	03/27/19	365	1	03/28/19	40	1	
STOCKPILE	618975-006	03/26/19	03/27/19	365	1	03/28/19	40	1	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : VOCs PP List by SW-846 8260BPP
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19				03/27/19	14	1	
SOUTH (Base)	618975-002	03/26/19				03/27/19	14	1	
WEST (8')	618975-003	03/26/19				03/27/19	14	1	
NORTH (Base)	618975-004	03/26/19				03/27/19	14	1	
BOTTOM	618975-005	03/26/19				03/27/19	14	1	
STOCKPILE	618975-006	03/26/19				03/27/19	14	1	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : SVOCs PP List by SW-846 8270D
Client : Wood Environment & Infrastructure S

Work Order #: **618975**
Project ID: 6121-17-0478

Date Received: 03/26/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
EAST (2')	618975-001	03/26/19	03/28/19	14	2	03/28/19	40	0	
SOUTH (Base)	618975-002	03/26/19	03/28/19	14	2	03/28/19	40	0	
WEST (8')	618975-003	03/26/19	03/28/19	14	2	03/28/19	40	0	
NORTH (Base)	618975-004	03/26/19	03/28/19	14	2	03/28/19	40	0	
BOTTOM	618975-005	03/26/19	03/28/19	14	2	03/28/19	40	0	
STOCKPILE	618975-006	03/26/19	03/28/19	14	2	03/28/19	40	0	

F = These samples were analyzed outside the recommended holding time.

FLORIDA flagging criteria

Data were reviewed by the
Department Supervisor and QA Director

A Value reported is the mean (average) of two or more determinations.

B Results based upon colony counts outside the acceptable range.

J Estimated value; value not accurate. All results with a "J" qualifier require comment.

- J1: Surrogate Recoveries exceed established QA/QC Limits
- J2: No known QA/QC exists.
- J3: Reported value failed to meet established QA/QC limits or the sample matrix interfered with the ability to make an accurate determination
- J4: The data is questionable due to improper laboratory or field protocols

Q Sample held beyond the accepted holding time

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.

U Compound was analyzed for but not detected at the MDL Level.

V Analyte was detected in both the sample and the associated method blank.

Y Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

I The reported value is between the laboratory MDL and the laboratory PQL.

R Significant rain in the past 48 hours.

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

L Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

Wood Environment & Infrastructure Solutions

TCCC-APOPKA

Analytical Method: **Percent Moisture by SM2540G**

Seq Number: 3083488 Matrix: Solid

Parent Sample Id: 618879-001 MD Sample Id: 618879-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	13.7	13.6	1	10	%	03.26.19 17:00	

Analytical Method: **4 RCRA Metals By SW6010C** Prep Method: SW3050B

Seq Number: 3083697 Matrix: Solid Date Prep: 03.27.19

MB Sample Id: 7674470-1-BLK LCS Sample Id: 7674470-1-BKS LCSD Sample Id: 7674470-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	<0.424	100	97.4	97	97.3	97	75-125	0	20	mg/kg	03.28.19 02:43	
Cadmium	<0.239	100	97.7	98	98.0	98	75-125	0	20	mg/kg	03.28.19 02:43	
Chromium	<0.0704	100	101	101	100	100	75-125	1	20	mg/kg	03.28.19 02:43	
Lead	<0.476	100	103	103	102	102	75-125	1	20	mg/kg	03.28.19 02:43	

Analytical Method: **4 RCRA Metals By SW6010C** Prep Method: SW3050B

Seq Number: 3083697 Matrix: Soil Date Prep: 03.27.19

Parent Sample Id: 618577-013 MS Sample Id: 618577-013 S MSD Sample Id: 618577-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	4.01	103	95.3	89	109	91	75-125	13	20	mg/kg	03.28.19 02:56	
Cadmium	<0.246	103	94.9	92	107	93	75-125	12	20	mg/kg	03.28.19 02:56	
Chromium	9.91	103	107	94	121	97	75-125	12	20	mg/kg	03.28.19 02:56	
Lead	4.94	103	102	94	115	96	75-125	12	20	mg/kg	03.28.19 02:56	

Analytical Method: **PCBs by SW-846 8082A** Prep Method: SW3550

Seq Number: 3083738 Matrix: Solid Date Prep: 03.27.19

MB Sample Id: 7674484-1-BLK LCS Sample Id: 7674484-1-BKS LCSD Sample Id: 7674484-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
PCB-1016	<0.00160	0.167	0.133	80	0.119	71	54-121	11	20	mg/kg	03.27.19 19:17	
PCB-1260	<0.000773	0.167	0.130	78	0.123	74	41-126	6	20	mg/kg	03.27.19 19:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Decachlorobiphenyl	60		63		60		39-125	%	03.27.19 19:17
Tetrachloro-m-xylene	48		57		42		37-124	%	03.27.19 19:17

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

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Analytical Method: **PCBs by SW-846 8082A** Prep Method: SW3550

Seq Number: 3083738 Matrix: Soil Date Prep: 03.27.19

Parent Sample Id: 618895-022 MS Sample Id: 618895-022 S MSD Sample Id: 618895-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
PCB-1016	<0.00319	0.167	0.146	87	0.125	75	54-121	15	20	mg/kg	03.27.19 20:02	
PCB-1260	0.0119	0.167	0.146	80	0.119	64	41-126	20	20	mg/kg	03.27.19 20:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Decachlorobiphenyl	69		60		39-125	%	03.27.19 20:02
Tetrachloro-m-xylene	57		50		37-124	%	03.27.19 20:02

Analytical Method: **Pesticides by SW-846 8081B** Prep Method: SW3550

Seq Number: 3083716 Matrix: Solid Date Prep: 03.27.19

MB Sample Id: 7674483-1-BLK LCS Sample Id: 7674483-1-BKS LCSD Sample Id: 7674483-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.000771	0.0167	0.0148	89	0.0137	82	20-164	8	25	mg/kg	03.27.19 19:15	
4,4-DDE	<0.00167	0.0167	0.0139	83	0.0130	78	29-157	7	25	mg/kg	03.27.19 19:15	
4,4-DDT	<0.000254	0.0167	0.0197	118	0.0191	114	13-192	3	25	mg/kg	03.27.19 19:15	
Aldrin	<0.000363	0.0167	0.0122	73	0.0119	71	30-152	2	25	mg/kg	03.27.19 19:15	
Alpha-BHC	<0.000680	0.0167	0.0106	63	0.0104	62	29-160	2	25	mg/kg	03.27.19 19:15	
Alpha-Chlordane	<0.000571	0.0167	0.0130	78	0.0122	73	30-154	6	25	mg/kg	03.27.19 19:15	
Beta-BHC	<0.000474	0.0167	0.0130	78	0.0128	77	30-155	2	25	mg/kg	03.27.19 19:15	
Delta-BHC	<0.00167	0.0167	0.00300	18	0.00295	18	20-161	2	25	mg/kg	03.27.19 19:15	J
Dieldrin	<0.000169	0.0167	0.0131	78	0.0127	76	33-153	3	25	mg/kg	03.27.19 19:15	
Endosulfan I	<0.000202	0.0167	0.0137	82	0.0129	77	30-151	6	25	mg/kg	03.27.19 19:15	
Endosulfan II	<0.000372	0.0167	0.0142	85	0.0135	81	27-153	5	25	mg/kg	03.27.19 19:15	
Endosulfan Sulfate	<0.000276	0.0167	0.0114	68	0.0112	67	15-170	2	25	mg/kg	03.27.19 19:15	
Endrin	<0.000291	0.0167	0.0140	84	0.0130	78	25-162	7	25	mg/kg	03.27.19 19:15	
Endrin Aldehyde	<0.000247	0.0167	0.0133	80	0.0129	77	49-117	3	25	mg/kg	03.27.19 19:15	
Endrin Ketone	<0.000361	0.0167	0.0154	92	0.0151	90	15-168	2	25	mg/kg	03.27.19 19:15	
Gamma-BHC (Lindane)	<0.000439	0.0167	0.0110	66	0.0108	65	30-158	2	25	mg/kg	03.27.19 19:15	
Gamma-Chlordane	<0.000763	0.0167	0.0134	80	0.0125	75	30-154	7	25	mg/kg	03.27.19 19:15	
Heptachlor	<0.000562	0.0167	0.0131	78	0.0128	77	29-163	2	25	mg/kg	03.27.19 19:15	
Heptachlor Epoxide	<0.000245	0.0167	0.0135	81	0.0128	77	30-150	5	25	mg/kg	03.27.19 19:15	
Methoxychlor	<0.000507	0.0167	0.0255	153	0.0253	151	33-174	1	25	mg/kg	03.27.19 19:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	62		77		72		35-135	%	03.27.19 19:15
Decachlorobiphenyl	78		89		86		25-143	%	03.27.19 19:15

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

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Analytical Method: **Pesticides by SW-846 8081B** Prep Method: SW3550

Seq Number: 3083716 Matrix: Soil Date Prep: 03.27.19

Parent Sample Id: 618664-001 MS Sample Id: 618664-001 S MSD Sample Id: 618664-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.000774	0.0167	0.0150	90	0.0143	86	20-164	5	25	mg/kg	03.27.19 19:42	
4,4-DDE	0.00644	0.0167	0.0184	72	0.0184	72	29-157	0	25	mg/kg	03.27.19 19:42	
4,4-DDT	<0.000255	0.0167	0.0233	140	0.0236	141	13-192	1	25	mg/kg	03.27.19 19:42	
Aldrin	<0.000364	0.0167	0.0125	75	0.0126	75	30-152	1	25	mg/kg	03.27.19 19:42	
Alpha-BHC	<0.000682	0.0167	0.0104	62	0.0105	63	29-160	1	25	mg/kg	03.27.19 19:42	
Alpha-Chlordane	<0.000572	0.0167	0.0128	77	0.0125	75	30-154	2	25	mg/kg	03.27.19 19:42	
Beta-BHC	<0.000475	0.0167	0.0126	75	0.0129	77	30-155	2	25	mg/kg	03.27.19 19:42	
Delta-BHC	<0.00167	0.0167	0.00298	18	0.00304	18	20-161	2	25	mg/kg	03.27.19 19:42	J
Dieldrin	<0.000170	0.0167	0.0131	78	0.0131	78	33-153	0	25	mg/kg	03.27.19 19:42	
Endosulfan I	<0.000202	0.0167	0.0137	82	0.0135	81	30-151	1	25	mg/kg	03.27.19 19:42	
Endosulfan II	<0.000373	0.0167	0.0147	88	0.0140	84	27-153	5	25	mg/kg	03.27.19 19:42	
Endosulfan Sulfate	<0.000277	0.0167	0.0110	66	0.0110	66	15-170	0	25	mg/kg	03.27.19 19:42	
Endrin	<0.000292	0.0167	0.0148	89	0.0145	87	25-162	2	25	mg/kg	03.27.19 19:42	
Endrin Aldehyde	<0.000248	0.0167	0.0127	76	0.0127	76	49-117	0	25	mg/kg	03.27.19 19:42	
Endrin Ketone	<0.000362	0.0167	0.0159	95	0.0158	95	15-168	1	25	mg/kg	03.27.19 19:42	
Gamma-BHC (Lindane)	<0.000440	0.0167	0.0112	67	0.0115	69	30-158	3	25	mg/kg	03.27.19 19:42	
Gamma-Chlordane	<0.000766	0.0167	0.0134	80	0.0134	80	30-154	0	25	mg/kg	03.27.19 19:42	
Heptachlor	<0.000564	0.0167	0.0136	81	0.0138	83	29-163	1	25	mg/kg	03.27.19 19:42	
Heptachlor Epoxide	<0.000246	0.0167	0.0136	81	0.0136	81	30-150	0	25	mg/kg	03.27.19 19:42	
Methoxychlor	<0.000508	0.0167	0.0355	213	0.0347	208	33-174	2	25	mg/kg	03.27.19 19:42	J

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	67		65		35-135	%	03.27.19 19:42
Decachlorobiphenyl	86		83		25-143	%	03.27.19 19:42

Analytical Method: **FL-PRO** Prep Method: SW3550

Seq Number: 3083714 Matrix: Solid Date Prep: 03.26.19

MB Sample Id: 7674349-1-BLK LCS Sample Id: 7674349-1-BKS LCSD Sample Id: 7674349-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
FLPRO (C8-C40) Range	<3.40	34.0	30.6	90	30.2	89	65-119	1	25	mg/kg	03.27.19 06:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	67		72		69		66-136	%	03.27.19 06:49
Nonatriacontane (C39)	62		52		48		36-132	%	03.27.19 06:49

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 618975

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Analytical Method: **FL-PRO** Prep Method: SW3550
Seq Number: 3083714 Matrix: Soil Date Prep: 03.26.19
Parent Sample Id: 618560-001 MS Sample Id: 618560-001 S MSD Sample Id: 618560-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
FLPRO (C8-C40) Range	4.03	36.7	34.6	83	33.8	80	65-119	2	25	mg/kg	03.27.19 23:10	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	75		72		66-136	%	03.27.19 23:10
Nonatriacontane (C39)	52		56		36-132	%	03.27.19 23:10

Analytical Method: **PAHs by 8270D SIM** Prep Method: SW3550
Seq Number: 3083746 Matrix: Solid Date Prep: 03.28.19
MB Sample Id: 7674495-1-BLK LCS Sample Id: 7674495-1-BKS LCSD Sample Id: 7674495-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzo(a)anthracene	<0.00107	0.0333	0.0273	82	0.0264	79	52-121	3	25	mg/kg	03.28.19 10:26	
Benzo(a)pyrene	<0.00122	0.0333	0.0278	83	0.0270	81	50-128	3	25	mg/kg	03.28.19 10:26	
Benzo(b)fluoranthene	<0.00137	0.0333	0.0278	83	0.0270	81	49-137	3	25	mg/kg	03.28.19 10:26	
Benzo(k)fluoranthene	<0.00133	0.0333	0.0282	85	0.0269	81	48-133	5	25	mg/kg	03.28.19 10:26	
Chrysene	<0.000925	0.0333	0.0284	85	0.0274	82	54-113	4	25	mg/kg	03.28.19 10:26	
Dibenz(a,h)Anthracene	<0.00133	0.0333	0.0295	89	0.0293	88	48-133	1	25	mg/kg	03.28.19 10:26	
Indeno(1,2,3-c,d)Pyrene	<0.00126	0.0333	0.0307	92	0.0302	91	49-129	2	25	mg/kg	03.28.19 10:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Nitrobenzene-d5	99		83		87		31-130	%	03.28.19 10:26
2-Fluorobiphenyl	99		79		79		51-133	%	03.28.19 10:26
Terphenyl-D14	104		85		80		46-137	%	03.28.19 10:26

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 618975

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Analytical Method: **PAHs by 8270D SIM** Prep Method: SW3550

Seq Number: 3083746 Matrix: Soil Date Prep: 03.28.19

Parent Sample Id: 618745-002 MS Sample Id: 618745-002 S MSD Sample Id: 618745-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzo(a)anthracene	0.0186	0.0333	0.0417	69	0.0348	49	52-121	18	25	mg/kg	03.28.19 11:20	J
Benzo(a)pyrene	0.00815	0.0333	0.0304	67	0.0260	54	50-128	16	25	mg/kg	03.28.19 11:20	
Benzo(b)fluoranthene	0.00746	0.0333	0.0277	61	0.0238	49	49-137	15	25	mg/kg	03.28.19 11:20	
Benzo(k)fluoranthene	0.00228	0.0333	0.0233	63	0.0197	52	48-133	17	25	mg/kg	03.28.19 11:20	
Chrysene	0.0132	0.0333	0.0361	69	0.0308	53	54-113	16	25	mg/kg	03.28.19 11:20	J
Dibenz(a,h)Anthracene	<0.00133	0.0333	0.0265	80	0.0227	68	48-133	15	25	mg/kg	03.28.19 11:20	
Indeno(1,2,3-c,d)Pyrene	0.00269	0.0333	0.0285	78	0.0244	65	49-129	16	25	mg/kg	03.28.19 11:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Nitrobenzene-d5	90		82		31-130	%	03.28.19 11:20
2-Fluorobiphenyl	61		58		51-133	%	03.28.19 11:20
Terphenyl-D14	68		59		46-137	%	03.28.19 11:20

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 618975

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TCCC-APOPKA

Analytical Method: **SVOCs PP List by SW-846 8270D** Prep Method: SW3550

Seq Number: 3083755 Matrix: Solid Date Prep: 03.28.19

MB Sample Id: 7674496-1-BLK LCS Sample Id: 7674496-1-BKS LCSD Sample Id: 7674496-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0145	1.67	1.45	87	1.51	90	35-129	4	30	mg/kg	03.28.19 11:37	
1,2-Dichlorobenzene	<0.0154	1.67	1.41	84	1.47	88	38-122	4	30	mg/kg	03.28.19 11:37	
Azobenzene	<0.0174	1.67	1.58	95	1.60	96	20-157	1	30	mg/kg	03.28.19 11:37	
1,3-Dichlorobenzene	<0.0139	1.67	1.40	84	1.45	87	38-120	4	30	mg/kg	03.28.19 11:37	
1,4-Dichlorobenzene	<0.0150	1.67	1.41	84	1.45	87	37-121	3	30	mg/kg	03.28.19 11:37	
1-Methylnaphthalene	<0.0267	1.67	1.49	89	1.57	94	38-127	5	30	mg/kg	03.28.19 11:37	
2,4,6-Trichlorophenol	<0.0158	1.67	1.69	101	1.78	107	39-139	5	30	mg/kg	03.28.19 11:37	
2,4-Dichlorophenol	<0.0174	1.67	1.61	96	1.69	101	36-135	5	30	mg/kg	03.28.19 11:37	
2,4-Dimethylphenol	<0.0165	1.67	1.55	93	1.63	98	38-133	5	30	mg/kg	03.28.19 11:37	
2,4-Dinitrophenol	<0.0242	1.67	1.32	79	1.32	79	19-131	0	40	mg/kg	03.28.19 11:37	
2,4-Dinitrotoluene	<0.0127	1.67	1.75	105	1.78	107	48-131	2	30	mg/kg	03.28.19 11:37	
2,6-Dinitrotoluene	<0.0233	1.67	1.64	98	1.68	101	42-136	2	30	mg/kg	03.28.19 11:37	
2-Chloronaphthalene	<0.0290	1.67	1.56	93	1.63	98	32-138	4	30	mg/kg	03.28.19 11:37	
2-Chlorophenol	<0.0158	1.67	1.51	90	1.59	95	38-125	5	30	mg/kg	03.28.19 11:37	
2-Methylnaphthalene	<0.0452	1.67	1.47	88	1.53	92	36-126	4	30	mg/kg	03.28.19 11:37	
2-Nitrophenol	<0.0146	1.67	1.51	90	1.60	96	33-142	6	30	mg/kg	03.28.19 11:37	
3,3-Dichlorobenzidine	<0.0154	1.67	1.46	87	1.49	89	35-134	2	40	mg/kg	03.28.19 11:37	
4,6-dinitro-2-methyl phenol	<0.0127	1.67	1.62	97	1.60	96	30-146	1	40	mg/kg	03.28.19 11:37	
4-Bromophenyl-phenylether	<0.0133	1.67	1.67	100	1.67	100	37-140	0	30	mg/kg	03.28.19 11:37	
4-chloro-3-methylphenol	<0.0184	1.67	1.64	98	1.70	102	40-134	4	30	mg/kg	03.28.19 11:37	
4-Chlorophenyl Phenyl Ether	<0.0162	1.67	1.60	96	1.67	100	41-131	4	30	mg/kg	03.28.19 11:37	
4-Nitrophenol	<0.0258	1.67	1.32	79	1.51	90	21-152	13	40	mg/kg	03.28.19 11:37	
Acenaphthene	<0.0155	1.67	1.51	90	1.57	94	37-131	4	30	mg/kg	03.28.19 11:37	
Acenaphthylene	<0.0148	1.67	1.54	92	1.57	94	39-129	2	30	mg/kg	03.28.19 11:37	
Anthracene	<0.0138	1.67	1.64	98	1.67	100	39-139	2	30	mg/kg	03.28.19 11:37	
Benzidine	<0.0121	1.67	0.559	33	0.760	46	12-112	30	40	mg/kg	03.28.19 11:37	
Benzo(a)anthracene	<0.0141	1.67	1.65	99	1.67	100	44-135	1	30	mg/kg	03.28.19 11:37	
Benzo(a)pyrene	<0.0172	1.67	1.75	105	1.73	104	43-153	1	30	mg/kg	03.28.19 11:37	
Benzo(b)fluoranthene	<0.0126	1.67	1.84	110	1.91	114	40-153	4	30	mg/kg	03.28.19 11:37	
Benzo(g,h,i)perylene	<0.0154	1.67	1.72	103	1.70	102	40-153	1	30	mg/kg	03.28.19 11:37	
Benzo(k)fluoranthene	<0.0194	1.67	1.59	95	1.49	89	33-156	6	30	mg/kg	03.28.19 11:37	
Benzyl Butyl Phthalate	<0.0182	1.67	1.64	98	1.68	101	43-145	2	30	mg/kg	03.28.19 11:37	
bis(2-chloroethoxy) methane	<0.0168	1.67	1.47	88	1.51	90	30-129	3	30	mg/kg	03.28.19 11:37	
bis(2-chloroethyl) ether	<0.0152	1.67	1.38	83	1.43	86	33-127	4	30	mg/kg	03.28.19 11:37	
bis(2-chloroisopropyl) ether	<0.0178	1.67	1.35	81	1.42	85	25-124	5	30	mg/kg	03.28.19 11:37	
bis(2-ethylhexyl) phthalate	<0.167	1.67	1.66	99	1.69	101	46-145	2	30	mg/kg	03.28.19 11:37	
Chrysene	<0.0165	1.67	1.62	97	1.64	98	42-135	1	30	mg/kg	03.28.19 11:37	
Dibenz(a,h)anthracene	<0.0127	1.67	1.73	104	1.71	102	41-155	1	30	mg/kg	03.28.19 11:37	
Diethylphthalate	<0.0153	1.67	1.63	98	1.66	99	45-131	2	30	mg/kg	03.28.19 11:37	
Dimethyl Phthalate	<0.0159	1.67	1.58	95	1.65	99	43-132	4	30	mg/kg	03.28.19 11:37	
Di-n-butylphthalate	<0.0160	1.67	1.69	101	1.70	102	43-142	1	30	mg/kg	03.28.19 11:37	
di-n-Octyl Phthalate	<0.0133	1.67	1.76	105	1.75	105	34-166	1	30	mg/kg	03.28.19 11:37	
Fluoranthene	<0.0147	1.67	1.70	102	1.70	102	41-138	0	30	mg/kg	03.28.19 11:37	
Fluorene	<0.0138	1.67	1.61	96	1.65	99	41-131	2	30	mg/kg	03.28.19 11:37	
Hexachlorobenzene	<0.0162	1.67	1.65	99	1.66	99	36-142	1	30	mg/kg	03.28.19 11:37	
Hexachlorobutadiene	<0.0138	1.67	1.46	87	1.51	90	35-129	3	30	mg/kg	03.28.19 11:37	
Hexachlorocyclopentadiene	<0.0152	1.67	1.22	73	1.29	77	16-106	6	30	mg/kg	03.28.19 11:37	
Hexachloroethane	<0.0173	1.67	1.38	83	1.43	86	36-121	4	30	mg/kg	03.28.19 11:37	
Indeno(1,2,3-c,d)Pyrene	<0.0134	1.67	1.74	104	1.72	103	39-154	1	30	mg/kg	03.28.19 11:37	

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 618975

Wood Environment & Infrastructure Solutions

TCCC-APOPKA

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3550

Seq Number: 3083755 Matrix: Solid Date Prep: 03.28.19

MB Sample Id: 7674496-1-BLK LCS Sample Id: 7674496-1-BKS LCSD Sample Id: 7674496-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Isophorone	<0.0145	1.67	1.47	88	1.54	92	36-128	5	30	mg/kg	03.28.19 11:37	
Naphthalene	<0.0156	1.67	1.41	84	1.49	89	35-128	6	30	mg/kg	03.28.19 11:37	
Nitrobenzene	<0.0185	1.67	1.49	89	1.52	91	32-129	2	30	mg/kg	03.28.19 11:37	
N-Nitrosodimethylamine	<0.0167	1.67	1.47	88	1.52	91	27-126	3	30	mg/kg	03.28.19 11:37	
N-Nitrosodi-n-Propylamine	<0.0174	1.67	1.44	86	1.48	89	34-129	3	30	mg/kg	03.28.19 11:37	
N-Nitrosodiphenylamine	<0.0186	1.67	1.64	98	1.65	99	27-155	1	30	mg/kg	03.28.19 11:37	
Pentachlorophenol	<0.0121	1.67	1.57	94	1.57	94	14-148	0	40	mg/kg	03.28.19 11:37	
Phenanthrene	<0.0166	1.67	1.61	96	1.62	97	37-139	1	30	mg/kg	03.28.19 11:37	
Phenol	<0.0150	1.67	1.58	95	1.64	98	34-127	4	40	mg/kg	03.28.19 11:37	
Pyrene	<0.0146	1.67	1.67	100	1.70	102	42-138	2	30	mg/kg	03.28.19 11:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	93		96		99		25-121	%	03.28.19 11:37
Phenol-d6	88		96		102		24-113	%	03.28.19 11:37
Nitrobenzene-d5	86		87		91		23-120	%	03.28.19 11:37
2-Fluorobiphenyl	95		92		96		30-115	%	03.28.19 11:37
2,4,6-Tribromophenol	96		113		115		19-122	%	03.28.19 11:37
Terphenyl-D14	106		104		105		18-137	%	03.28.19 11:37

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 618975

Wood Environment & Infrastructure Solutions

TCCC-APOPKA

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3550

Seq Number: 3083755 Matrix: Solid Date Prep: 03.28.19

Parent Sample Id: 618975-001 MS Sample Id: 618975-001 S MSD Sample Id: 618975-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0150	1.73	1.02	59	1.03	60	35-129	1	30	mg/kg	03.28.19 12:46	
1,2-Dichlorobenzene	<0.0159	1.73	1.00	58	1.00	58	38-122	0	30	mg/kg	03.28.19 12:46	
Azobenzene	<0.0180	1.73	1.07	62	1.28	74	20-157	18	30	mg/kg	03.28.19 12:46	
1,3-Dichlorobenzene	<0.0144	1.73	1.01	58	0.987	57	38-120	2	30	mg/kg	03.28.19 12:46	
1,4-Dichlorobenzene	<0.0155	1.73	0.998	58	1.00	58	37-121	0	30	mg/kg	03.28.19 12:46	
1-Methylnaphthalene	<0.0276	1.73	1.05	61	1.10	64	38-127	5	30	mg/kg	03.28.19 12:46	
2,4,6-Trichlorophenol	<0.0163	1.73	1.12	65	1.35	78	39-139	19	30	mg/kg	03.28.19 12:46	
2,4-Dichlorophenol	<0.0181	1.73	1.02	59	1.14	66	36-135	11	30	mg/kg	03.28.19 12:46	
2,4-Dimethylphenol	<0.0171	1.73	1.02	59	1.09	63	38-133	7	30	mg/kg	03.28.19 12:46	
2,4-Dinitrophenol	<0.0251	1.73	0.390	23	0.498	29	19-131	24	40	mg/kg	03.28.19 12:46	
2,4-Dinitrotoluene	<0.0132	1.73	1.14	66	1.39	80	48-131	20	30	mg/kg	03.28.19 12:46	
2,6-Dinitrotoluene	<0.0241	1.73	1.09	63	1.32	76	42-136	19	30	mg/kg	03.28.19 12:46	
2-Chloronaphthalene	<0.0301	1.73	1.08	62	1.21	70	32-138	11	30	mg/kg	03.28.19 12:46	
2-Chlorophenol	<0.0164	1.73	1.02	59	1.03	60	38-125	1	30	mg/kg	03.28.19 12:46	
2-Methylnaphthalene	<0.0468	1.73	1.04	60	1.09	63	36-126	5	30	mg/kg	03.28.19 12:46	
2-Nitrophenol	<0.0152	1.73	1.01	58	1.07	62	33-142	6	30	mg/kg	03.28.19 12:46	
3,3-Dichlorobenzidine	<0.0159	1.73	1.01	58	1.28	74	35-134	24	40	mg/kg	03.28.19 12:46	
4,6-dinitro-2-methyl phenol	<0.0132	1.73	0.806	47	0.896	52	30-146	11	40	mg/kg	03.28.19 12:46	
4-Bromophenyl-phenylether	<0.0137	1.73	1.13	65	1.37	79	37-140	19	30	mg/kg	03.28.19 12:46	
4-chloro-3-methylphenol	<0.0191	1.73	1.06	61	1.31	76	40-134	21	30	mg/kg	03.28.19 12:46	
4-Chlorophenyl Phenyl Ether	<0.0168	1.73	1.10	64	1.34	77	41-131	20	30	mg/kg	03.28.19 12:46	
4-Nitrophenol	<0.0268	1.73	0.843	49	1.17	68	21-152	32	40	mg/kg	03.28.19 12:46	
Acenaphthene	<0.0161	1.73	1.07	62	1.25	72	37-131	16	30	mg/kg	03.28.19 12:46	
Acenaphthylene	<0.0153	1.73	1.08	62	1.24	72	39-129	14	30	mg/kg	03.28.19 12:46	
Anthracene	<0.0143	1.73	1.12	65	1.39	80	39-139	22	30	mg/kg	03.28.19 12:46	
Benzidine	<0.0125	1.73	0.755	44	0.904	52	12-112	18	40	mg/kg	03.28.19 12:46	
Benzo(a)anthracene	<0.0146	1.73	1.08	62	1.36	79	44-135	23	30	mg/kg	03.28.19 12:46	
Benzo(a)pyrene	<0.0178	1.73	1.13	65	1.41	82	43-153	22	30	mg/kg	03.28.19 12:46	
Benzo(b)fluoranthene	<0.0130	1.73	1.14	66	1.36	79	40-153	18	30	mg/kg	03.28.19 12:46	
Benzo(g,h,i)perylene	<0.0159	1.73	1.08	62	1.37	79	40-153	24	30	mg/kg	03.28.19 12:46	
Benzo(k)fluoranthene	<0.0200	1.73	1.05	61	1.39	80	33-156	28	30	mg/kg	03.28.19 12:46	
Benzyl Butyl Phthalate	<0.0188	1.73	1.06	61	1.34	77	43-145	23	30	mg/kg	03.28.19 12:46	
bis(2-chloroethoxy) methane	<0.0174	1.73	0.967	56	0.986	57	30-129	2	30	mg/kg	03.28.19 12:46	
bis(2-chloroethyl) ether	<0.0157	1.73	0.949	55	0.963	56	33-127	1	30	mg/kg	03.28.19 12:46	
bis(2-chloroisopropyl) ether	<0.0184	1.73	0.926	54	0.926	54	25-124	0	30	mg/kg	03.28.19 12:46	
bis(2-ethylhexyl) phthalate	<0.173	1.73	1.05	61	1.34	77	46-145	24	30	mg/kg	03.28.19 12:46	
Chrysene	<0.0171	1.73	1.10	64	1.33	77	42-135	19	30	mg/kg	03.28.19 12:46	
Dibenz(a,h)anthracene	<0.0131	1.73	1.09	63	1.38	80	41-155	23	30	mg/kg	03.28.19 12:46	
Diethylphthalate	<0.0158	1.73	1.06	61	1.33	77	45-131	23	30	mg/kg	03.28.19 12:46	
Dimethyl Phthalate	<0.0164	1.73	1.05	61	1.28	74	43-132	20	30	mg/kg	03.28.19 12:46	
Di-n-butylphthalate	<0.0166	1.73	1.05	61	1.37	79	43-142	26	30	mg/kg	03.28.19 12:46	
di-n-Octyl Phthalate	<0.0137	1.73	1.11	64	1.47	85	34-166	28	30	mg/kg	03.28.19 12:46	
Fluoranthene	<0.0152	1.73	1.12	65	1.39	80	41-138	22	30	mg/kg	03.28.19 12:46	
Fluorene	<0.0143	1.73	1.13	65	1.35	78	41-131	18	30	mg/kg	03.28.19 12:46	
Hexachlorobenzene	<0.0168	1.73	1.10	64	1.39	80	36-142	23	30	mg/kg	03.28.19 12:46	
Hexachlorobutadiene	<0.0143	1.73	1.01	58	1.05	61	35-129	4	30	mg/kg	03.28.19 12:46	
Hexachlorocyclopentadiene	<0.0157	1.73	0.730	42	0.725	42	16-106	1	30	mg/kg	03.28.19 12:46	
Hexachloroethane	<0.0179	1.73	0.981	57	0.996	58	36-121	2	30	mg/kg	03.28.19 12:46	
Indeno(1,2,3-c,d)Pyrene	<0.0139	1.73	1.08	62	1.37	79	39-154	24	30	mg/kg	03.28.19 12:46	

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 618975

Wood Environment & Infrastructure Solutions

TCCC-APOPKA

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3550

Seq Number: 3083755 Matrix: Solid Date Prep: 03.28.19

Parent Sample Id: 618975-001 MS Sample Id: 618975-001 S MSD Sample Id: 618975-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Isophorone	<0.0150	1.73	0.968	56	1.01	58	36-128	4	30	mg/kg	03.28.19 12:46	
Naphthalene	<0.0162	1.73	1.02	59	1.04	60	35-128	2	30	mg/kg	03.28.19 12:46	
Nitrobenzene	<0.0191	1.73	1.02	59	1.04	60	32-129	2	30	mg/kg	03.28.19 12:46	
N-Nitrosodimethylamine	<0.0173	1.73	0.987	57	0.958	55	27-126	3	30	mg/kg	03.28.19 12:46	
N-Nitrosodi-n-Propylamine	<0.0180	1.73	0.953	55	0.992	57	34-129	4	30	mg/kg	03.28.19 12:46	
N-Nitrosodiphenylamine	<0.0193	1.73	1.08	62	1.33	77	27-155	21	30	mg/kg	03.28.19 12:46	
Pentachlorophenol	<0.0126	1.73	0.865	50	1.19	69	14-148	32	40	mg/kg	03.28.19 12:46	
Phenanthrene	<0.0172	1.73	1.10	64	1.32	76	37-139	18	30	mg/kg	03.28.19 12:46	
Phenol	<0.0155	1.73	1.02	59	1.04	60	34-127	2	40	mg/kg	03.28.19 12:46	
Pyrene	<0.0151	1.73	1.12	65	1.40	81	42-138	22	30	mg/kg	03.28.19 12:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	61		62		25-121	%	03.28.19 12:46
Phenol-d6	61		62		24-113	%	03.28.19 12:46
Nitrobenzene-d5	59		60		23-120	%	03.28.19 12:46
2-Fluorobiphenyl	61		67		30-115	%	03.28.19 12:46
2,4,6-Tribromophenol	70		90		19-122	%	03.28.19 12:46
Terphenyl-D14	67		84		18-137	%	03.28.19 12:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 618975

Wood Environment & Infrastructure Solutions

TCCC-APOPKA

Analytical Method: **VOCs PP List by SW-846 8260BPP** Prep Method: SW5035A

Seq Number: 3083532 Matrix: Solid Date Prep: 03.27.19

MB Sample Id: 7674386-1-BLK LCS Sample Id: 7674386-1-BKS LCSD Sample Id: 7674386-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acrolein	<0.00444	0.100	0.0935	94	0.101	101	40-140	8	20	mg/kg	03.27.19 10:17	
Acrylonitrile	<0.00499	0.100	0.0864	86	0.112	112	40-140	26	20	mg/kg	03.27.19 10:17	J
Benzene	<0.000513	0.0500	0.0570	114	0.0591	118	80-120	4	20	mg/kg	03.27.19 10:17	
Bromodichloromethane	<0.000501	0.0500	0.0496	99	0.0508	102	75-120	2	20	mg/kg	03.27.19 10:17	
Bromoform	<0.000959	0.0500	0.0489	98	0.0501	100	70-130	2	20	mg/kg	03.27.19 10:17	
Methyl bromide	<0.000250	0.0500	0.0475	95	0.0503	101	30-145	6	20	mg/kg	03.27.19 10:17	
Carbon Tetrachloride	<0.000742	0.0500	0.0566	113	0.0583	117	65-140	3	20	mg/kg	03.27.19 10:17	
Chlorobenzene	<0.000579	0.0500	0.0539	108	0.0563	113	80-120	4	20	mg/kg	03.27.19 10:17	
Chloroethane	<0.00244	0.0500	0.0447	89	0.0478	96	60-135	7	20	mg/kg	03.27.19 10:17	
2-Chloroethyl Vinyl Ether	<0.000747	0.0500	0.180	360	0.185	370	40-145	3	20	mg/kg	03.27.19 10:17	J
Chloroform	<0.000741	0.0500	0.0517	103	0.0555	111	65-135	7	20	mg/kg	03.27.19 10:17	
Methyl Chloride	<0.00230	0.0500	0.0556	111	0.0554	111	40-125	0	20	mg/kg	03.27.19 10:17	
Dibromochloromethane	<0.000994	0.0500	0.0498	100	0.0516	103	60-135	4	20	mg/kg	03.27.19 10:17	
1,2-Dichloroethane	<0.000597	0.0500	0.0499	100	0.0520	104	70-130	4	20	mg/kg	03.27.19 10:17	
1,1-Dichloroethane	<0.000802	0.0500	0.0541	108	0.0568	114	70-150	5	20	mg/kg	03.27.19 10:17	
trans-1,2-dichloroethylene	<0.000780	0.0500	0.0560	112	0.0583	117	60-140	4	20	mg/kg	03.27.19 10:17	
cis-1,2-Dichloroethylene	<0.000210	0.0500	0.0527	105	0.0554	111	70-125	5	20	mg/kg	03.27.19 10:17	
1,1-Dichloroethene	<0.00116	0.0500	0.0564	113	0.0588	118	70-130	4	20	mg/kg	03.27.19 10:17	
1,2-Dichloropropane	<0.000929	0.0500	0.0498	100	0.0513	103	75-125	3	20	mg/kg	03.27.19 10:17	
trans-1,3-dichloropropene	<0.000670	0.0500	0.0500	100	0.0545	109	55-140	9	20	mg/kg	03.27.19 10:17	
cis-1,3-Dichloropropene	<0.000100	0.0500	0.0543	109	0.0548	110	70-125	1	20	mg/kg	03.27.19 10:17	
Ethylbenzene	<0.000565	0.0500	0.0576	115	0.0578	116	75-125	0	20	mg/kg	03.27.19 10:17	
Methylene Chloride	<0.00216	0.0500	0.0458	92	0.0490	98	55-140	7	20	mg/kg	03.27.19 10:17	
MTBE	<0.000693	0.100	0.0895	90	0.0951	95	65-125	6	20	mg/kg	03.27.19 10:17	
1,1,2,2-Tetrachloroethane	<0.00119	0.0500	0.0464	93	0.0479	96	65-148	3	20	mg/kg	03.27.19 10:17	
Tetrachloroethylene	<0.000150	0.0500	0.0581	116	0.0593	119	45-150	2	20	mg/kg	03.27.19 10:17	
Toluene	<0.000588	0.0500	0.0576	115	0.0594	119	75-120	3	20	mg/kg	03.27.19 10:17	
1,1,2-Trichloroethane	<0.000670	0.0500	0.0477	95	0.0502	100	75-151	5	20	mg/kg	03.27.19 10:17	
1,1,1-Trichloroethane	<0.000753	0.0500	0.0572	114	0.0588	118	65-145	3	20	mg/kg	03.27.19 10:17	
Trichloroethylene	<0.000707	0.0500	0.0559	112	0.0584	117	70-125	4	20	mg/kg	03.27.19 10:17	
Trichlorofluoromethane	<0.00351	0.0500	0.0520	104	0.0513	103	60-145	1	20	mg/kg	03.27.19 10:17	
Vinyl Chloride	<0.00201	0.0500	0.0593	119	0.0572	114	50-145	4	20	mg/kg	03.27.19 10:17	
o-Xylene	<0.000716	0.0500	0.0557	111	0.0580	116	80-120	4	20	mg/kg	03.27.19 10:17	
m,p-Xylenes	<0.00121	0.100	0.101	101	0.103	103	75-130	2	20	mg/kg	03.27.19 10:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	100		92		96		53-159	%	03.27.19 10:17
Toluene-D8	100		99		100		70-130	%	03.27.19 10:17
4-Bromofluorobenzene	105		98		96		30-180	%	03.27.19 10:17

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

www.xenco.com Page 1 of 1

Work Order No: 618975

Project Manager:	Andrew Hooper	Bill to: (if different)	SAME
Company Name:	Wood Environment + Infrastructure	Company Name:	
Address:	1101 Channelside Dr. Suite 200	Address:	
City, State ZIP:	Tampa, FL 33602	City, State ZIP:	
Phone:		Email:	andrew.hooper@[redacted]wood plc.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	TCCC - APOPKA	Turn Around	
Project Number:	6121-17-0478	Routine ☐	
P.O. Number:		Rush: YES	
Sampler's Name:	Sierra Junn	Due Date: ASAP	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2.7	Thermometer ID		
Received Intact:	Yes No	T-20		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.6	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	USED OIL
EAST (2')	SS	3/26/19	1159	2'	1	X
SOUTH (Base)	SS	3/26/19	1148	8"	1	X
WEST (8')	SS	3/26/19	1155	8'	1	X
NORTH (Base)	SS	3/26/19	1204	8'	1	X
BOTTOM	SS	3/26/19	1209	-	1	X
STOCKPILE	SS	3/26/19	1220	-	1	X

Work Order Notes

RUSH

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

3/26/19

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/26/19 1724	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number **125289**

Date/Time: 03/26/19 16:46
Lab# From: **Tampa**
Lab# To: **Houston**

Created by: Lourdes Arevalo
Delivery Priority:
Air Bill No.: 774805559938

Please send report to: Chad Bechtold
Address: Xenco Laboratories
E-Mail: Chad.Bechtold@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
618975-001	S	EAST (2')	03/26/19 11:39	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-001	S	EAST (2')	03/26/19 11:39	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	
618975-001	S	EAST (2')	03/26/19 11:39	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-001	S	EAST (2')	03/26/19 11:39	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-002	S	SOUTH (Base)	03/26/19 11:48	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-002	S	SOUTH (Base)	03/26/19 11:48	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	
618975-002	S	SOUTH (Base)	03/26/19 11:48	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-002	S	SOUTH (Base)	03/26/19 11:48	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-003	S	WEST (8')	03/26/19 11:55	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-003	S	WEST (8')	03/26/19 11:55	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	
618975-003	S	WEST (8')	03/26/19 11:55	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-003	S	WEST (8')	03/26/19 11:55	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-004	S	NORTH (Base)	03/26/19 12:04	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-004	S	NORTH (Base)	03/26/19 12:04	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	
618975-004	S	NORTH (Base)	03/26/19 12:04	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-004	S	NORTH (Base)	03/26/19 12:04	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-005	S	BOTTOM	03/26/19 12:09	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	
618975-005	S	BOTTOM	03/26/19 12:09	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-005	S	BOTTOM	03/26/19 12:09	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-005	S	BOTTOM	03/26/19 12:09	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-006	S	STOCKPILE	03/26/19 12:20	SW8081B	Pesticides by SW-846 8081B	03/28/19	04/09/19	CBE	ALDRIN BHCALPHA BHC	
618975-006	S	STOCKPILE	03/26/19 12:20	SW8270DPP	SVOCs PP List by SW-846 8270D	03/28/19	04/09/19	CBE	22DCISOPRE ACNP ACN	
618975-006	S	STOCKPILE	03/26/19 12:20	SW6010C_4RCRA	4 RCRA Metals By SW6010C	03/28/19	09/22/19	CBE	AS CD CR PB	
618975-006	S	STOCKPILE	03/26/19 12:20	SW8082A	PCBs by SW-846 8082A	03/28/19	03/25/20	CBE	PCB1016 PCB1221 PCB12	

Inter-Office Shipment

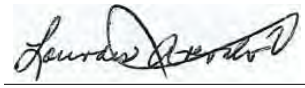
IOS Number **125289**

Date/Time: 03/26/19 16:46
Lab# From: **Tampa**
Lab# To: **Houston**

Created by: Lourdes Arevalo
Delivery Priority:
Air Bill No.: 774805559938

Please send report to: Chad Bechtold
Address: Xenco Laboratories
E-Mail: Chad.Bechtold@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By: 
Lourdes Arevalo

Date Relinquished: 03/26/2019

Received By: 
Taha Hedib

Date Received: 03/27/2019 09:05

Cooler Temperature: 0.9

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 125289

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Lourdes Arevalo **Date Sent:** 03/26/2019 04:46 PM

Received By: Taha Hedib **Date Received:** 03/27/2019 09:05 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.9	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**No**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 03/27/2019
Taha Hedib

APPENDIX D

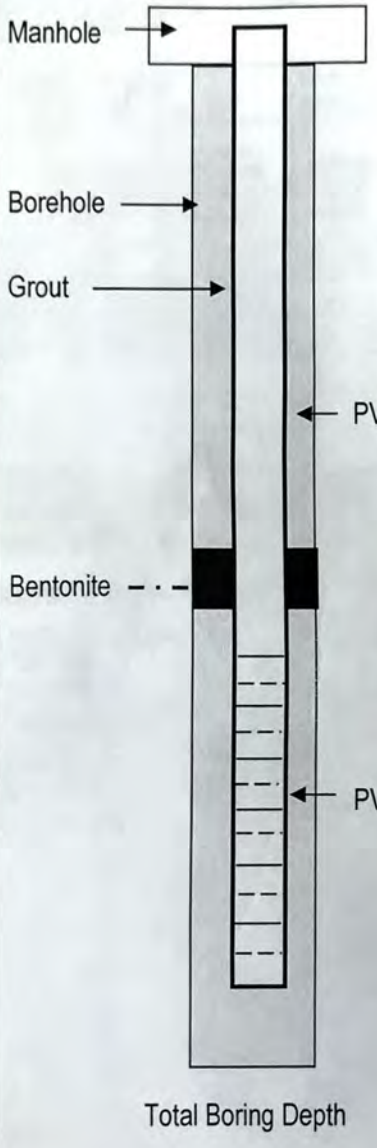
Wood Forms; Well Construction & Development Form; Calibration Logs

wood.

Wood Well Construction & Development Form

Project & Task #: **The Coca Cola Company**	Date(s) of Installation: 4-11-19
Monitor Well No **TMW-1 (Tank Pit)**	Site Location: **Orange Ave. Apopka, Fl**

Monitor Well Sketch



Construction Materials (Circle One of Fill In)

Manhole Diameter (in): 8 12 Vault (Dimensions: _____)

Pad Dimensions (ft x ft): 1.5 x 1.5 2 x 2 Other: _____

Surface Casing Material: PVC Steel Other: _____

Diameter of Surface Casing (in): _____ Length of Casing (ft): _____

Casing Material: Threaded PVC Threaded Steel Other: _____

Screen Material: Threaded PVC Threaded Steel Other: _____

Casing/Screen Diameter (in): 2 4 6 Other: _____

Casing Length (ft): 15 Screen Length (ft): 10

Screen Slot Size (in) 0.010 0.020 Other: 0.010

Backfill Used: Sand Cuttings Grout Thickness: _____

Seal Installed: Y N Type: _____ Thickness: _____

Filter Pack Size: 6-20 20-30 Other: 30/65

Filter Pack Depth Interval (ft): 22 to 11

Depth of Monitor Well Boring (ft): 22 (If different than well depth)

Borehole Diameter (in): _____

Monitor Well Development Details

Development Method: Surge Pump Other: _____

Pump type (if used): Centrifugal Submersible Other: _____

Length (time) of well development: 10 minutes hours (circle)

Initial Water Condition: Muddy Gray

Final Water Condition: Clear

Well pumping information: Steady flow rate Intermittent flow rate

Sustained flow rate: 10 GPM

Recharge rate (optional): _____ (ft/min)

General Notes or Comments

SILTY SAND TO DARK BROWN SANDS

MOIST @ 15 FT-BLS

SOILS @ 15 FT SLIGHT PETRO ODOR

SIGNATURES

Recorded By: Peter Yanczak Date: 4/11/19

Reviewed By: Date:

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: TCCC	SITE LOCATION: Apopka, Fl	
WELL NO: TMW-1	SAMPLE ID: TMW-1	DATE: 4-11-19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .170	WELL SCREEN INTERVAL DEPTH: 23 feet to 28 feet	STATIC DEPTH TO WATER (feet): 13.90	PURGE PUMP TYPE: PP OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (23 feet – 13.90 feet) X .011 gallons/foot = .129 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.0	PURGING INITIATED AT: 1337	PURGING ENDED AT: 1348	TOTAL VOLUME PURGED (gallons): 2.16

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR / ODOR (describe)		ORP
1342	1.5	1.5	0.11	14.5	5.24	25.79	117	1.63	285	cloudy with clear	N	200.4 +
1345	0.33	1.83	0.11	14.5	5.07	26.10	106	1.55	165	cloudy clear	N	202.7
1348	0.33	2.16	0.11	14.5	5.14	26.50	115	1.52	183	cloudy clear	N	201.9

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sierra Jann	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1405
PUMP OR TUBING DEPTH IN WELL (feet): 16.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCL	0	—	VOC's	AFPP	<100
	1	AG	250mL	H_2SO_4	0	—	MM	AFPP	400 mL
	1	PP	250mL	HNO_3	0	—	4 RCRA	AFPP	400mL
	1	AG	1000mL	NONE	0	—	SVOCs PP	AFPP	400mL
	1	AG	1000mL	None		—	Pesticides	AFPP	
	1	AG	1000mL	NONE	0	—	PCBs	AFPP	
	1	PP	250mL	HNO_3	0	—	Dissolved RCRA	AFPP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FORM FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/site name: TCCC Apopka, Fl

Date: 4-11-19 Instrument /Meter Model# YSI-556MPS AMEC Unique ID # : 1478-AD

Instrument /Meter Model# HACH 2100Q AMEC Unique ID # : C045313

Page 1

Temperature (Quarterly) For Date of Last Temperature Verification See Page#_____ in Log Book _____ (FT-1400) YSI Temp=_____

Thermometer =____

DISSOLVED OXYGEN			DEP SOP	INTIALS	DATE	TIME	% Saturation/Pressure (instrument)	Mg/l (instrument)	TEMP° c	% DO (from Chart)	Saturation Mg/L (from Chart)	Pass	Fail
											Acceptance Criteria: +/-0.3mg/l		
CAL	ICV	CCV	FT-1500	AJ	4-11-19	0825	99.7	8.40	23.81	100%	8.45	✓	
CAL	ICV	CCV							Range	100%			
CAL	ICV	CCV								100%	8.15-8.75		
CAL	ICV	CCV								100%			
CAL	ICV	CCV								100%			
CAL	ICV	CCV								100%			
CAL	ICV	CCV								100%			
CAL	ICV	CCV								100%			
CAL	ICV	CCV								100%			

Specific Conductance			DEP SOP	INTIALS	DATE	TIME	*Standard Value µmhos*	Exp. Date	Lot #	Manufacturer	Reading *µmhos*	Pass	Fail
											Acceptance Criteria: +/- 5%		
CAL	ICV	CCV	FT-1200	AJ	4-11-19	0750	1413	04-19	SG0864	GeoTech	1400	✓	
CAL	ICV	CCV							Range		1342 - 1484		
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											

CAL: PERFORM ONLY IN CALIBRATION MODE; ICV: PERFORM ONLY IN RUN MODE; CCV PERFORM ONLY IN RUN MODE

Completed by_____

Checked by

FORM FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/site name: TCCC Apopka, Fl

Date: 4-11-19

Instrument /Meter Model# YSI-556MPS AMEC Unique ID # : 1478-AD

Instrument /Meter Model# HACH 2100Q AMEC Unique ID # : C045313

Page 2

CAL	ICV	CCV											
Oxygen reduction Potential				INTIALS	DATE	TIME	Standard Value	Exp. Date	Lot#	Manufacturer	Instrument Reading	Pass	Fail
											Acceptance Criteria		
CAL	ICV	CCV											
CAL	ICV	CCV		Py	4-11-19	0735	220	09/19	8GL693	GeoTech	220	✓	
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
Ph			DEP SOP	INTIALS	DATE	TIME	Standard SU	Exp. Date	Lot#	Manufacturer	Reading SU	Pass	Fail
											Acceptance Criteria: +/- 0.2 SU		
CAL	ICV	CCV	FT-1100										
CAL	ICV	CCV		Py	4-11-19	0740	7.00	04-20	8GD396	GeoTech	7.00	✓	
CAL	ICV	CCV						Range	6.80-7.20				
CAL	ICV	CCV											
CAL	ICV	CCV					4.00	05-20	8GE305	GeoTech	4.00	✓	
CAL	ICV	CCV						Range	3.80-4.20				
CAL	ICV	CCV											
CAL	ICV	CCV					10.00	04-20	8GD394	GeoTech			
CAL	ICV	CCV						Range	9.80-10.20				
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCV											
CAL	ICV	CCC											
CAL	ICV	CCV											
CAL	ICV	CCV											

CAL: PERFORM ONLY IN CALIBRATION MODE; ICV: PERFORM ONLY IN RUN MODE; CCV PERFORM ONLY IN RUN MODE

Completed by_____

Checked by

Appendix E
Laboratory Analytical Data - Groundwater

Analytical Report 620860

for

Wood Environment & Infrastructure Solutions

Project Manager: Andy Hooper

Apopka Tank

16-APR-19

Xenco Laboratories
1412 Tech Blvd.
Tampa, FL 33619
Ph:(813) 620-2000 Fax:(813) 620-2033

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)

16-APR-19

Project Manager: **Andy Hooper**
Wood Environment & Infrastructure Solutions
223 S 78 th St.
Tampa, FL 33619

Reference: XENCO Report No(s): **620860**
Apopka Tank
Project Address:

Andy Hooper:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 620860. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 620860 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Chad Bechtold
Project Manager

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Sample Cross Reference 620860

Wood Environment & Infrastructure Solutions, Tampa, F

Apopka Tank

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TMW-1 (Tank pit)	W	04-11-19 14:00		620860-001

CASE NARRATIVE

Client Name: Wood Environment & Infrastructure Solutions
Project Name: Apopka Tank

Project ID:
Work Order Number(s): *620860*

Report Date: *16-APR-19*
Date Received: *04/11/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3085639 PAHs by SW846 8270D SIM
Surrogate Nitrobenzene-d5 recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 620581-001 S.

Batch: LBA-3085668 VOCs PP List by SW-846 8260BPP
Chloroethane recovered below QC limits in the Blank Spike and Duplicate. Analyte was not detected in any of the associated samples and therefore the data was accepted. Samples in the analytical batch are: 620860-001.

Batch: LBA-3085765 FL-PRO
Surrogate o-Terphenyl recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7675618-1-BLK,7675618-1-BSD,620860-001.

Batch: LBA-3085787 SVOCs PP List by SW8270D
Benzidine RPD was outside laboratory control limits.
Samples in the analytical batch are: 620860-001

Benzidine recovered below QC limits in the laboratory control sample. The number of failed analytes were within the marginal exceedances per TNI rule. No additional action is required. Samples in the analytical batch are: 620860-001.

Surrogate 2-Fluorophenol, Surrogate Phenol-d6 recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 620860-001.

Hits Summary 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Below is a summary of the analytes which were found to be present in the samples associated with this work order. This should only be used in conjunction with the included analytical results.

Sample ID: TMW-1 (Tank pit) **Sample ID: 620860-001** **Date/Time Sampled: 04/11/2019 14:00** **Matrix: Water**

Analyte Name	Method	CAS No.	Dil.	Result	RL/PQL	MDL	Units	Qual
Lead	SW6010C	7439-92-1	1	6.58	15.0	2.37	ug/L	I
Trichlorofluoromethane	SW8260B	75-69-4	1	4.71	1.00	0.530	ug/L	

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id: **TMW-1 (Tank pit)** Matrix: Water Date Received:04.11.19 16.14

Lab Sample Id: 620860-001 Date Collected: 04.11.19 14.00

Analytical Method: 4 RCRA Metals By SW6010C Prep Method: SW3010A

Tech: AHI % Moisture:

Analyst: DEP Date Prep: 04.14.19 11.00

Seq Number: 3085707 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	5.50 U	20.0	5.50	U	ug/L	04.15.19 11.30	1
Cadmium	7440-43-9	2.43 U	10.0	2.43	U	ug/L	04.15.19 11.30	1
Chromium	7440-47-3	0.811 U	10.0	0.811	U	ug/L	04.15.19 11.30	1
Lead	7439-92-1	**6.58**	15.0	2.37	I	ug/L	04.15.19 11.30	1

Analytical Method: Dissolved Metals by SW-846 6010C Prep Method: SW3010A

Tech: AHI % Moisture:

Analyst: DEP Date Prep: 04.15.19 09.35

Seq Number: 3085700 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Arsenic	7440-38-2	5.50 U	20.0	5.50	U	ug/L	04.15.19 14.34	1
Cadmium	7440-43-9	2.43 U	10.0	2.43	U	ug/L	04.15.19 14.34	1
Chromium	7440-47-3	0.811 U	10.0	0.811	U	ug/L	04.15.19 14.34	1
Lead	7439-92-1	2.37 U	15.0	2.37	U	ug/L	04.15.19 14.34	1

Analytical Method: PCBs by SW-846 8082A Prep Method: SW3510C

Tech: RUO % Moisture:

Analyst: MIP Date Prep: 04.12.19 11.00

Seq Number: 3085735 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
PCB-1016	12674-11-2	0.0600 U	0.500	0.0600	U	ug/L	04.12.19 15.29	1
PCB-1221	11104-28-2	0.0362 U	0.500	0.0362	U	ug/L	04.12.19 15.29	1
PCB-1232	11141-16-5	0.0211 U	0.500	0.0211	U	ug/L	04.12.19 15.29	1
PCB-1242	53469-21-9	0.0181 U	0.500	0.0181	U	ug/L	04.12.19 15.29	1
PCB-1248	12672-29-6	0.0214 U	0.500	0.0214	U	ug/L	04.12.19 15.29	1
PCB-1254	11097-69-1	0.0211 U	0.500	0.0211	U	ug/L	04.12.19 15.29	1
PCB-1260	11096-82-5	0.0450 U	0.500	0.0450	U	ug/L	04.12.19 15.29	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	42	%	20-125	04.12.19 15.29	
Decachlorobiphenyl	2051-24-3	73	%	26-130	04.12.19 15.29	

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id:	**TMW-1 (Tank pit)**	Matrix: Water	Date Received:04.11.19 16.14
Lab Sample Id:	620860-001	Date Collected: 04.11.19 14.00	
Analytical Method:	Pesticides by SW-846 8081B		Prep Method: SW3510C
Tech:	RUO		% Moisture:
Analyst:	MCK	Date Prep: 04.12.19 11.00	
Seq Number:	3085672		SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
4,4-DDD	72-54-8	0.0362 U	0.100	0.0362	U	ug/L	04.12.19 17.40	1
4,4-DDE	72-55-9	0.0371 U	0.100	0.0371	U	ug/L	04.12.19 17.40	1
4,4-DDT	50-29-3	0.0588 U	0.100	0.0588	U	ug/L	04.12.19 17.40	1
Aldrin	309-00-2	0.0364 U	0.100	0.0364	U	ug/L	04.12.19 17.40	1
Alpha-BHC	319-84-6	0.0402 U	0.100	0.0402	U	ug/L	04.12.19 17.40	1
Alpha-Chlordane	5103-71-9	0.0353 U	0.100	0.0353	U	ug/L	04.12.19 17.40	1
Beta-BHC	319-85-7	0.0332 U	0.100	0.0332	U	ug/L	04.12.19 17.40	1
Delta-BHC	319-86-8	0.0324 U	0.100	0.0324	U	ug/L	04.12.19 17.40	1
Dieldrin	60-57-1	0.0352 U	0.100	0.0352	U	ug/L	04.12.19 17.40	1
Endosulfan I	959-98-8	0.0357 U	0.100	0.0357	U	ug/L	04.12.19 17.40	1
Endosulfan II	33213-65-9	0.0480 U	0.100	0.0480	U	ug/L	04.12.19 17.40	1
Endosulfan Sulfate	1031-07-8	0.0341 U	0.100	0.0341	U	ug/L	04.12.19 17.40	1
Endrin	72-20-8	0.0498 U	0.100	0.0498	U	ug/L	04.12.19 17.40	1
Endrin Aldehyde	7421-93-4	0.0318 U	0.100	0.0318	U	ug/L	04.12.19 17.40	1
Endrin Ketone	53494-70-5	0.0356 U	0.100	0.0356	U	ug/L	04.12.19 17.40	1
Gamma-BHC (Lindane)	58-89-9	0.0407 U	0.100	0.0407	U	ug/L	04.12.19 17.40	1
Gamma-Chlordane	5103-74-2	0.0351 U	0.100	0.0351	U	ug/L	04.12.19 17.40	1
Heptachlor	76-44-8	0.0426 U	0.100	0.0426	U	ug/L	04.12.19 17.40	1
Heptachlor Epoxide	1024-57-3	0.0363 U	0.100	0.0363	U	ug/L	04.12.19 17.40	1
Methoxychlor	72-43-5	0.0543 U	0.100	0.0543	U	ug/L	04.12.19 17.40	1
Chlordane	12789-03-6	0.516 U	2.50	0.516	U	ug/L	04.12.19 17.40	1
Toxaphene	8001-35-2	0.385 U	2.50	0.385	U	ug/L	04.12.19 17.40	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	54	%	18-126	04.12.19 17.40	
Decachlorobiphenyl	2051-24-3	91	%	15-136	04.12.19 17.40	

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id: **TMW-1 (Tank pit)** Matrix: Water Date Received:04.11.19 16.14

Lab Sample Id: 620860-001 Date Collected: 04.11.19 14.00

Analytical Method: FL-PRO Prep Method: SW3510C

Tech: JSF % Moisture:

Analyst: BIS Date Prep: 04.12.19 11.30

Seq Number: 3085765

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
FLPRO (C8-C40) Range	PHC840	340 U	680	340	U	ug/L	04.16.19 01.56	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	53	%	66-139	04.16.19 01.56	J
Nonatriacontane (C39)	7194-86-7	53	%	40-129	04.16.19 01.56	

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3510C

Tech: JSF % Moisture:

Analyst: BIS Date Prep: 04.12.19 11.32

Seq Number: 3085639

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1-Methylnaphthalene	90-12-0	0.500 U	1.00	0.500	U	ug/L	04.16.19 08.01	1
2-Methylnaphthalene	91-57-6	0.500 U	1.00	0.500	U	ug/L	04.16.19 08.01	1
Acenaphthene	83-32-9	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Acenaphthylene	208-96-8	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Anthracene	120-12-7	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Benzo(a)anthracene	56-55-3	0.0500 U	0.100	0.0500	U	ug/L	04.16.19 08.01	1
Benzo(a)pyrene	50-32-8	0.0500 U	0.200	0.0500	U	ug/L	04.16.19 08.01	1
Benzo(b)fluoranthene	205-99-2	0.0500 U	0.100	0.0500	U	ug/L	04.16.19 08.01	1
Benzo(g,h,i)perylene	191-24-2	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Benzo(k)fluoranthene	207-08-9	0.0500 U	0.100	0.0500	U	ug/L	04.16.19 08.01	1
Chrysene	218-01-9	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Dibenz(a,h)anthracene	53-70-3	0.0500 U	0.200	0.0500	U	ug/L	04.16.19 08.01	1
Fluoranthene	206-44-0	0.0500 U	0.100	0.0500	U	ug/L	04.16.19 08.01	1
Fluorene	86-73-7	0.500 U	1.00	0.500	U	ug/L	04.16.19 08.01	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.0500 U	0.100	0.0500	U	ug/L	04.16.19 08.01	1
Naphthalene	91-20-3	0.500 U	1.00	0.500	U	ug/L	04.16.19 08.01	1
Phenanthrene	85-01-8	0.300 U	1.00	0.300	U	ug/L	04.16.19 08.01	1
Pyrene	129-00-0	0.100 U	1.00	0.100	U	ug/L	04.16.19 08.01	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	61	%	34-130	04.16.19 08.01	
Nitrobenzene-d5	4165-60-0	45	%	36-130	04.16.19 08.01	
Terphenyl-D14	1718-51-0	84	%	35-121	04.16.19 08.01	

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id: **TMW-1 (Tank pit)** Matrix: Water Date Received:04.11.19 16.14

Lab Sample Id: 620860-001 Date Collected: 04.11.19 14.00

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3510C

Tech: RUO % Moisture:

Analyst: EKL Date Prep: 04.12.19 11.09

Seq Number: 3085787 SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
1,2,4-Trichlorobenzene	120-82-1	0.929 U	5.00	0.929	U	ug/L	04.16.19 02.00	1
1,2-Dichlorobenzene	95-50-1	1.00 U	5.00	1.00	U	ug/L	04.16.19 02.00	1
Azobenzene	103-33-3	0.920 U	5.00	0.920	U	ug/L	04.16.19 02.00	1
1,3-Dichlorobenzene	541-73-1	0.926 U	5.00	0.926	U	ug/L	04.16.19 02.00	1
1,4-Dichlorobenzene	106-46-7	0.947 U	5.00	0.947	U	ug/L	04.16.19 02.00	1
2,4,6-Trichlorophenol	88-06-2	1.09 U	5.00	1.09	U	ug/L	04.16.19 02.00	1
2,4-Dichlorophenol	120-83-2	1.00 U	5.00	1.00	U	ug/L	04.16.19 02.00	1
2,4-Dimethylphenol	105-67-9	0.860 U	5.00	0.860	U	ug/L	04.16.19 02.00	1
2,4-Dinitrophenol	51-28-5	0.869 U	10.0	0.869	U	ug/L	04.16.19 02.00	1
2,4-Dinitrotoluene	121-14-2	0.767 U	5.00	0.767	U	ug/L	04.16.19 02.00	1
2,6-Dinitrotoluene	606-20-2	0.974 U	5.00	0.974	U	ug/L	04.16.19 02.00	1
2-Chloronaphthalene	91-58-7	1.01 U	5.00	1.01	U	ug/L	04.16.19 02.00	1
2-Chlorophenol	95-57-8	1.04 U	5.00	1.04	U	ug/L	04.16.19 02.00	1
2-Nitrophenol	88-75-5	1.03 U	5.00	1.03	U	ug/L	04.16.19 02.00	1
3,3-Dichlorobenzidine	91-94-1	0.549 U	10.0	0.549	U	ug/L	04.16.19 02.00	1
4,6-dinitro-2-methyl phenol	534-52-1	0.696 U	10.0	0.696	U	ug/L	04.16.19 02.00	1
4-Bromophenyl-phenylether	101-55-3	0.980 U	5.00	0.980	U	ug/L	04.16.19 02.00	1
4-chloro-3-methylphenol	59-50-7	0.950 U	5.00	0.950	U	ug/L	04.16.19 02.00	1
4-Chlorophenyl Phenyl Ether	7005-72-3	1.03 U	5.00	1.03	U	ug/L	04.16.19 02.00	1
4-Nitrophenol	100-02-7	0.387 U	10.0	0.387	U	ug/L	04.16.19 02.00	1
Acenaphthylene	208-96-8	0.986 U	5.00	0.986	U	ug/L	04.16.19 02.00	1
Benzidine	92-87-5	0.767 U	50.0	0.767	UJ	ug/L	04.16.19 02.00	1
Benzo(k)fluoranthene	207-08-9	0.585 U	5.00	0.585	U	ug/L	04.16.19 02.00	1
Benzyl Butyl Phthalate	85-68-7	0.405 U	5.00	0.405	U	ug/L	04.16.19 02.00	1
bis(2-chloroethoxy) methane	111-91-1	1.07 U	5.00	1.07	U	ug/L	04.16.19 02.00	1
bis(2-chloroethyl) ether	111-44-4	1.02 U	5.00	1.02	U	ug/L	04.16.19 02.00	1
bis(2-chloroisopropyl) ether	39638-32-9	1.09 U	5.00	1.09	U	ug/L	04.16.19 02.00	1
bis(2-ethylhexyl) phthalate	117-81-7	0.441 U	5.00	0.441	U	ug/L	04.16.19 02.00	1
Diethyl Phthalate	84-66-2	0.911 U	5.00	0.911	U	ug/L	04.16.19 02.00	1
Dimethyl Phthalate	131-11-3	0.968 U	5.00	0.968	U	ug/L	04.16.19 02.00	1
di-n-Butyl Phthalate	84-74-2	0.510 U	5.00	0.510	U	ug/L	04.16.19 02.00	1
di-n-Octyl Phthalate	117-84-0	0.408 U	5.00	0.408	U	ug/L	04.16.19 02.00	1
Hexachlorobenzene	118-74-1	0.902 U	5.00	0.902	U	ug/L	04.16.19 02.00	1
Hexachlorobutadiene	87-68-3	0.989 U	5.00	0.989	U	ug/L	04.16.19 02.00	1
Hexachlorocyclopentadiene	77-47-4	0.495 U	5.00	0.495	U	ug/L	04.16.19 02.00	1
Hexachloroethane	67-72-1	1.03 U	5.00	1.03	U	ug/L	04.16.19 02.00	1
Isophorone	78-59-1	1.02 U	5.00	1.02	U	ug/L	04.16.19 02.00	1
Naphthalene	91-20-3	0.977 U	5.00	0.977	U	ug/L	04.16.19 02.00	1
Nitrobenzene	98-95-3	1.02 U	5.00	1.02	U	ug/L	04.16.19 02.00	1

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id: **TMW-1 (Tank pit)**
Matrix: Water
Date Received:04.11.19 16.14
Lab Sample Id: 620860-001
Date Collected: 04.11.19 14.00

Analytical Method: SVOCs PP List by SW-846 8270D
Prep Method: SW3510C
Tech: RUO
% Moisture:
Analyst: EKL
Date Prep: 04.12.19 11.09
Seq Number: 3085787
SUB: E871002

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
N-Nitrosodimethylamine	62-75-9	0.738 U	5.00	0.738	U	ug/L	04.16.19 02.00	1
N-Nitrosodi-n-Propylamine	621-64-7	1.04 U	5.00	1.04	U	ug/L	04.16.19 02.00	1
N-Nitrosodiphenylamine	86-30-6	0.983 U	5.00	0.983	U	ug/L	04.16.19 02.00	1
Pentachlorophenol	87-86-5	0.522 U	10.0	0.522	U	ug/L	04.16.19 02.00	1
Phenol	108-95-2	0.525 U	10.0	0.525	U	ug/L	04.16.19 02.00	1
Pyrene	129-00-0	0.468 U	5.00	0.468	U	ug/L	04.16.19 02.00	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	25	%	28-114	04.16.19 02.00	J
Phenol-d6	13127-88-3	14	%	23-117	04.16.19 02.00	J
Nitrobenzene-d5	4165-60-0	57	%	26-110	04.16.19 02.00	
2-Fluorobiphenyl	321-60-8	58	%	29-112	04.16.19 02.00	
2,4,6-Tribromophenol	118-79-6	66	%	31-132	04.16.19 02.00	
Terphenyl-D14	1718-51-0	85	%	20-141	04.16.19 02.00	

Certificate of Analytical Results 620860

Wood Environment & Infrastructure Solutions, Tampa, FL

Apopka Tank

Sample Id: **TMW-1 (Tank pit)** Matrix: Water Date Received:04.11.19 16.14

Lab Sample Id: 620860-001 Date Collected: 04.11.19 14.00

Analytical Method: VOCs PP List by SW-846 8260BPP Prep Method: SW5030B

Tech: JNL % Moisture:

Analyst: JNL Date Prep: 04.12.19 10.32

Seq Number: 3085668

Parameter	Cas Number	Result	PQL	MDL	Flag	Units	Analysis Date	Dil
Acrolein	107-02-8	0.373 U	10.0	0.373	U	ug/L	04.12.19 17.17	1
Acrylonitrile	107-13-1	0.490 U	5.00	0.490	U	ug/L	04.12.19 17.17	1
Benzene	71-43-2	0.160 U	1.00	0.160	U	ug/L	04.12.19 17.17	1
Bromodichloromethane	75-27-4	0.250 U	1.00	0.250	U	ug/L	04.12.19 17.17	1
Bromoform	75-25-2	0.170 U	1.00	0.170	U	ug/L	04.12.19 17.17	1
Bromomethane	74-83-9	0.250 U	1.00	0.250	U	ug/L	04.12.19 17.17	1
Carbon Tetrachloride	56-23-5	0.330 U	1.00	0.330	U	ug/L	04.12.19 17.17	1
Chlorobenzene	108-90-7	0.150 U	1.00	0.150	U	ug/L	04.12.19 17.17	1
Chloroethane	75-00-3	0.250 U	1.00	0.250	UJ	ug/L	04.12.19 17.17	1
Chloroform	67-66-3	0.160 U	1.00	0.160	U	ug/L	04.12.19 17.17	1
Chloromethane	74-87-3	0.250 U	1.00	0.250	U	ug/L	04.12.19 17.17	1
Dibromochloromethane	124-48-1	0.150 U	1.00	0.150	U	ug/L	04.12.19 17.17	1
1,1-Dichloroethane	75-34-3	0.110 U	1.00	0.110	U	ug/L	04.12.19 17.17	1
1,2-Dichloroethane	107-06-2	0.180 U	1.00	0.180	U	ug/L	04.12.19 17.17	1
1,1-Dichloroethene	75-35-4	0.200 U	1.00	0.200	U	ug/L	04.12.19 17.17	1
cis-1,2-Dichloroethene	156-59-2	0.210 U	1.00	0.210	U	ug/L	04.12.19 17.17	1
trans-1,2-dichloroethene	156-60-5	0.210 U	1.00	0.210	U	ug/L	04.12.19 17.17	1
1,2-Dichloropropane	78-87-5	0.150 U	1.00	0.150	U	ug/L	04.12.19 17.17	1
cis-1,3-Dichloropropene	10061-01-5	0.100 U	1.00	0.100	U	ug/L	04.12.19 17.17	1
trans-1,3-dichloropropene	10061-02-6	0.110 U	1.00	0.110	U	ug/L	04.12.19 17.17	1
Ethylbenzene	100-41-4	0.190 U	1.00	0.190	U	ug/L	04.12.19 17.17	1
Methylene Chloride	75-09-2	0.420 U	1.00	0.420	U	ug/L	04.12.19 17.17	1
MTBE	1634-04-4	0.180 U	2.00	0.180	U	ug/L	04.12.19 17.17	1
1,1,2,2-Tetrachloroethane	79-34-5	0.180 U	1.00	0.180	U	ug/L	04.12.19 17.17	1
Tetrachloroethylene	127-18-4	0.160 U	1.00	0.160	U	ug/L	04.12.19 17.17	1
Toluene	108-88-3	0.140 U	1.00	0.140	U	ug/L	04.12.19 17.17	1
1,1,1-Trichloroethane	71-55-6	0.160 U	1.00	0.160	U	ug/L	04.12.19 17.17	1
1,1,2-Trichloroethane	79-00-5	0.250 U	1.00	0.250	U	ug/L	04.12.19 17.17	1
Trichloroethene	79-01-6	0.190 U	1.00	0.190	U	ug/L	04.12.19 17.17	1
Trichlorofluoromethane	75-69-4	**4.71**	1.00	0.530		ug/L	04.12.19 17.17	1
o-Xylene	95-47-6	0.200 U	1.00	0.200	U	ug/L	04.12.19 17.17	1
m,p-Xylenes	179601-23-1	0.510 U	2.00	0.510	U	ug/L	04.12.19 17.17	1
Vinyl Chloride	75-01-4	0.190 U	1.00	0.190	U	ug/L	04.12.19 17.17	1
Total Xylenes	1330-20-7	0.200 U	1.00	0.200	U	ug/L	04.12.19 17.17	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	91	%	53-159	04.12.19 17.17	
Toluene-D8	2037-26-5	96	%	70-130	04.12.19 17.17	
4-Bromofluorobenzene	460-00-4	118	%	30-180	04.12.19 17.17	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : FL-PRO
Work Order #: **620860**
Date Received: 04/11/19

Client : Wood Environment & Infrastructure S
Project ID:

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/12/19	7	1	04/16/19	40	4	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : 4 RCRA Metals By SW6010C
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/14/19	180	3	04/15/19	180	1	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Dissolved Metals by SW-846 6010C
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/15/19	180	4	04/15/19	180	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : Pesticides by SW-846 8081B
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/12/19	7	1	04/12/19	40	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : PCBs by SW-846 8082A
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/12/19	365	1	04/12/19	40	0	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : VOCs PP List by SW-846 8260BPP
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19				04/12/19	14	1	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : SVOCs PP List by SW-846 8270D
Client : Wood Environment & Infrastructure S

Work Order #: **620860**
Project ID:

Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/12/19	7	1	04/16/19	40	4	

CHRONOLOGY OF HOLDING TIMES

Analytical Method : PAHs by SW846 8270D SIM
Client : Wood Environment & Infrastructure S
Work Order #: **620860**
Project ID:
Date Received: 04/11/19

Field Sample ID	Lab Sample ID	Date Collected	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
TMW-1 (Tank pit)	620860-001	04/11/19	04/12/19	7	1	04/16/19	40	4	

F = These samples were analyzed outside the recommended holding time.

FLORIDA flagging criteria

Data were reviewed by the
Department Supervisor and QA Director

A Value reported is the mean (average) of two or more determinations.

B Results based upon colony counts outside the acceptable range.

J Estimated value; value not accurate. All results with a "J" qualifier require comment.

- J1: Surrogate Recoveries exceed established QA/QC Limits
- J2: No known QA/QC exists.
- J3: Reported value failed to meet established QA/QC limits or the sample matrix interfered with the ability to make an accurate determination
- J4: The data is questionable due to improper laboratory or field protocols

Q Sample held beyond the accepted holding time

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.

U Compound was analyzed for but not detected at the MDL Level.

V Analyte was detected in both the sample and the associated method blank.

Y Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

I The reported value is between the laboratory MDL and the laboratory PQL.

R Significant rain in the past 48 hours.

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

L Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **4 RCRA Metals By SW6010C** Prep Method: SW3010A
Seq Number: 3085707 Matrix: Water Date Prep: 04.14.19
MB Sample Id: 7675675-1-BLK LCS Sample Id: 7675675-1-BKS LCSD Sample Id: 7675675-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	<5.50	1000	1010	101	991	99	75-125	2	20	ug/L	04.15.19 11:22	
Cadmium	<2.43	1000	1010	101	1000	100	75-125	1	20	ug/L	04.15.19 11:22	
Chromium	<0.811	1000	1040	104	1040	104	75-125	0	20	ug/L	04.15.19 11:22	
Lead	<2.37	1000	1070	107	1060	106	75-125	1	20	ug/L	04.15.19 11:22	

Analytical Method: **4 RCRA Metals By SW6010C** Prep Method: SW3010A
Seq Number: 3085707 Matrix: Ground Water Date Prep: 04.14.19
Parent Sample Id: 620190-001 MS Sample Id: 620190-001 S MSD Sample Id: 620190-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	<5.50	1000	984	98	990	99	75-125	1	20	ug/L	04.15.19 11:38	
Cadmium	<2.43	1000	1000	100	1000	100	75-125	0	20	ug/L	04.15.19 11:38	
Chromium	<0.811	1000	1030	103	1030	103	75-125	0	20	ug/L	04.15.19 11:38	
Lead	<2.37	1000	1050	105	1050	105	75-125	0	20	ug/L	04.15.19 11:38	

Analytical Method: **Dissolved Metals by SW-846 6010C** Prep Method: SW3010A
Seq Number: 3085700 Matrix: Water Date Prep: 04.15.19
MB Sample Id: 7675718-1-BLK LCS Sample Id: 7675718-1-BKS LCSD Sample Id: 7675718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	<5.50	1000	948	95	933	93	75-125	2	20	ug/L	04.15.19 14:26	
Cadmium	<2.43	1000	948	95	965	97	75-125	2	20	ug/L	04.15.19 14:26	
Chromium	<0.811	1000	981	98	989	99	75-125	1	20	ug/L	04.15.19 14:26	
Lead	<2.37	1000	999	100	1010	101	75-125	1	20	ug/L	04.15.19 14:26	

Analytical Method: **Dissolved Metals by SW-846 6010C** Prep Method: SW3010A
Seq Number: 3085700 Matrix: Water Date Prep: 04.15.19
Parent Sample Id: 620860-001 MS Sample Id: 620860-001 S MSD Sample Id: 620860-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Arsenic	<5.50	1000	953	95	965	97	75-125	1	20	ug/L	04.15.19 14:38	
Cadmium	<2.43	1000	961	96	971	97	75-125	1	20	ug/L	04.15.19 14:38	
Chromium	<0.811	1000	991	99	1000	100	75-125	1	20	ug/L	04.15.19 14:38	
Lead	<2.37	1000	1010	101	1020	102	75-125	1	20	ug/L	04.15.19 14:38	

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **PCBs by SW-846 8082A** Prep Method: SW3510C

Seq Number: 3085735 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675598-1-BLK LCS Sample Id: 7675598-1-BKS LCSD Sample Id: 7675598-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
PCB-1016	<0.0600	5.00	4.02	80	4.00	80	54-125	0	20	ug/L	04.12.19 13:58	
PCB-1260	<0.0450	5.00	3.98	80	3.97	79	41-126	0	20	ug/L	04.12.19 13:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Decachlorobiphenyl	69		77		80		26-130	%	04.12.19 13:58
Tetrachloro-m-xylene	57		58		57		20-125	%	04.12.19 13:58

Analytical Method: **Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 3085672 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675597-1-BLK LCS Sample Id: 7675597-1-BKS LCSD Sample Id: 7675597-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.0362	0.500	0.535	107	0.513	103	11-160	4	25	ug/L	04.12.19 12:54	
4,4-DDE	<0.0371	0.500	0.515	103	0.494	99	15-157	4	25	ug/L	04.12.19 12:54	
4,4-DDT	<0.0588	0.500	0.478	96	0.491	98	15-157	3	25	ug/L	04.12.19 12:54	
Aldrin	<0.0364	0.500	0.505	101	0.478	96	12-154	5	25	ug/L	04.12.19 12:54	
Alpha-BHC	<0.0402	0.500	0.478	96	0.453	91	10-149	5	25	ug/L	04.12.19 12:54	
Alpha-Chlordane	<0.0353	0.500	0.516	103	0.490	98	15-140	5	25	ug/L	04.12.19 12:54	
Beta-BHC	<0.0332	0.500	0.534	107	0.492	98	10-151	8	25	ug/L	04.12.19 12:54	
Delta-BHC	<0.0324	0.500	0.424	85	0.403	81	10-155	5	25	ug/L	04.12.19 12:54	
Dieldrin	<0.0352	0.500	0.528	106	0.506	101	14-156	4	25	ug/L	04.12.19 12:54	
Endosulfan I	<0.0357	0.500	0.534	107	0.519	104	12-155	3	25	ug/L	04.12.19 12:54	
Endosulfan II	<0.0480	0.500	0.542	108	0.521	104	16-158	4	25	ug/L	04.12.19 12:54	
Endosulfan Sulfate	<0.0341	0.500	0.538	108	0.513	103	17-159	5	25	ug/L	04.12.19 12:54	
Endrin	<0.0498	0.500	0.519	104	0.495	99	14-169	5	25	ug/L	04.12.19 12:54	
Endrin Aldehyde	<0.0318	0.500	0.553	111	0.533	107	22-148	4	25	ug/L	04.12.19 12:54	
Endrin Ketone	<0.0356	0.500	0.535	107	0.514	103	28-154	4	25	ug/L	04.12.19 12:54	
Gamma-BHC (Lindane)	<0.0407	0.500	0.508	102	0.487	97	8-157	4	25	ug/L	04.12.19 12:54	
Gamma-Chlordane	<0.0351	0.500	0.521	104	0.495	99	18-141	5	25	ug/L	04.12.19 12:54	
Heptachlor	<0.0426	0.500	0.457	91	0.438	88	10-157	4	25	ug/L	04.12.19 12:54	
Heptachlor Epoxide	<0.0363	0.500	0.526	105	0.503	101	15-155	4	25	ug/L	04.12.19 12:54	
Methoxychlor	<0.0543	0.500	0.428	86	0.435	87	25-161	2	25	ug/L	04.12.19 12:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	74		91		86		18-126	%	04.12.19 12:54
Decachlorobiphenyl	92		103		104		15-136	%	04.12.19 12:54

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **FL-PRO** Prep Method: SW3510C
Seq Number: 3085765 Matrix: Water Date Prep: 04.12.19
MB Sample Id: 7675618-1-BLK LCS Sample Id: 7675618-1-BKS LCSD Sample Id: 7675618-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
FLPRO (C8-C40) Range	<340	3400	2770	81	2580	76	66-119	7	20	ug/L	04.15.19 22:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
o-Terphenyl	65	J	69		63	J	66-139	%	04.15.19 22:05
Nonatriacontane (C39)	61		59		56		40-129	%	04.15.19 22:05

Analytical Method: **FL-PRO** Prep Method: SW3510C
Seq Number: 3085765 Matrix: Ground Water Date Prep: 04.12.19
Parent Sample Id: 620581-001 MS Sample Id: 620581-001 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
FLPRO (C8-C40) Range	<340	3400	3230	95	66-119	ug/L	04.16.19 01:29	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
o-Terphenyl	76		66-139	%	04.16.19 01:29
Nonatriacontane (C39)	67		40-129	%	04.16.19 01:29

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **PAHs by SW846 8270D SIM** Prep Method: SW3510C

Seq Number: 3085639 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675619-1-BLK LCS Sample Id: 7675619-1-BKS LCSD Sample Id: 7675619-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1-Methylnaphthalene	<0.500	8.00	5.68	71	6.60	83	37-110	15	30	ug/L	04.15.19 12:25	
2-Methylnaphthalene	<0.500	8.00	5.58	70	6.48	81	35-110	15	30	ug/L	04.15.19 12:25	
Acenaphthene	<0.300	8.00	5.72	72	6.64	83	36-110	15	30	ug/L	04.15.19 12:25	
Acenaphthylene	<0.300	8.00	5.71	71	6.73	84	35-110	16	30	ug/L	04.15.19 12:25	
Anthracene	<0.300	8.00	6.40	80	6.85	86	39-127	7	30	ug/L	04.15.19 12:25	
Benzo(a)anthracene	<0.0500	8.00	6.21	78	6.51	81	40-129	5	30	ug/L	04.15.19 12:25	
Benzo(a)pyrene	<0.0500	8.00	5.58	70	5.70	71	36-141	2	30	ug/L	04.15.19 12:25	
Benzo(b)fluoranthene	<0.0500	8.00	5.39	67	5.87	73	36-141	9	30	ug/L	04.15.19 12:25	
Benzo(g,h,i)perylene	<0.300	8.00	6.53	82	6.69	84	32-141	2	30	ug/L	04.15.19 12:25	
Benzo(k)fluoranthene	<0.0500	8.00	6.32	79	6.03	75	31-139	5	30	ug/L	04.15.19 12:25	
Chrysene	<0.300	8.00	6.57	82	7.23	90	41-139	10	30	ug/L	04.15.19 12:25	
Dibenz(a,h)anthracene	<0.0500	8.00	7.07	88	7.18	90	35-143	2	30	ug/L	04.15.19 12:25	
Fluoranthene	<0.0500	8.00	6.91	86	7.26	91	38-132	5	30	ug/L	04.15.19 12:25	
Fluorene	<0.500	8.00	5.82	73	6.50	81	41-121	11	30	ug/L	04.15.19 12:25	
Indeno(1,2,3-c,d)Pyrene	<0.0500	8.00	6.65	83	6.78	85	27-160	2	30	ug/L	04.15.19 12:25	
Naphthalene	<0.500	8.00	5.27	66	6.41	80	35-110	20	30	ug/L	04.15.19 12:25	
Phenanthrene	<0.300	8.00	5.83	73	6.34	79	50-115	8	30	ug/L	04.15.19 12:25	
Pyrene	<0.100	8.00	5.81	73	6.22	78	42-141	7	30	ug/L	04.15.19 12:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	71		65		74		34-130	%	04.15.19 12:25
Nitrobenzene-d5	57		52		63		36-130	%	04.15.19 12:25
Terphenyl-D14	86		75		75		35-121	%	04.15.19 12:25

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **PAHs by SW846 8270D SIM** Prep Method: SW3510C

Seq Number: 3085639 Matrix: Ground Water Date Prep: 04.12.19

Parent Sample Id: 620581-001 MS Sample Id: 620581-001 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
1-Methylnaphthalene	<0.500	8.00	3.49	44	37-110	ug/L	04.16.19 02:43	
2-Methylnaphthalene	<0.500	8.00	3.38	42	35-110	ug/L	04.16.19 02:43	
Acenaphthene	<0.300	8.00	3.27	41	36-110	ug/L	04.16.19 02:43	
Acenaphthylene	<0.300	8.00	3.39	42	35-110	ug/L	04.16.19 02:43	
Anthracene	<0.300	8.00	4.73	59	39-127	ug/L	04.16.19 02:43	
Benzo(a)anthracene	<0.0500	8.00	6.09	76	40-129	ug/L	04.16.19 02:43	
Benzo(a)pyrene	<0.0500	8.00	5.44	68	36-141	ug/L	04.16.19 02:43	
Benzo(b)fluoranthene	<0.0500	8.00	4.93	62	36-141	ug/L	04.16.19 02:43	
Benzo(g,h,i)perylene	<0.300	8.00	5.69	71	32-141	ug/L	04.16.19 02:43	
Benzo(k)fluoranthene	<0.0500	8.00	5.96	75	31-139	ug/L	04.16.19 02:43	
Chrysene	<0.300	8.00	6.52	82	41-139	ug/L	04.16.19 02:43	
Dibenz(a,h)anthracene	<0.0500	8.00	6.20	78	35-143	ug/L	04.16.19 02:43	
Fluoranthene	<0.0500	8.00	6.23	78	38-132	ug/L	04.16.19 02:43	
Fluorene	<0.500	8.00	3.41	43	41-121	ug/L	04.16.19 02:43	
Indeno(1,2,3-c,d)Pyrene	<0.0500	8.00	5.85	73	27-160	ug/L	04.16.19 02:43	
Naphthalene	<0.500	8.00	3.25	41	35-110	ug/L	04.16.19 02:43	
Phenanthrene	<0.300	8.00	4.19	52	50-115	ug/L	04.16.19 02:43	
Pyrene	<0.100	8.00	5.61	70	42-141	ug/L	04.16.19 02:43	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	37		34-130	%	04.16.19 02:43
Nitrobenzene-d5	32		36-130	%	04.16.19 02:43
Terphenyl-D14	71		35-121	%	04.16.19 02:43

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3510C

Seq Number: 3085787 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675599-1-BLK LCS Sample Id: 7675599-1-BKS LCSD Sample Id: 7675599-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.929	50.0	42.4	85	44.1	88	34-117	4	30	ug/L	04.15.19 20:35	
1,2-Dichlorobenzene	<1.00	50.0	41.2	82	42.6	85	38-111	3	30	ug/L	04.15.19 20:35	
Azobenzene	<0.920	50.0	45.8	92	47.3	95	38-127	3	30	ug/L	04.15.19 20:35	
1,3-Dichlorobenzene	<0.926	50.0	40.3	81	41.7	83	37-111	3	30	ug/L	04.15.19 20:35	
1,4-Dichlorobenzene	<0.947	50.0	40.8	82	41.6	83	37-111	2	30	ug/L	04.15.19 20:35	
2,4,6-Trichlorophenol	<1.09	50.0	45.3	91	47.5	95	42-125	5	30	ug/L	04.15.19 20:35	
2,4-Dichlorophenol	<1.00	50.0	44.4	89	46.3	93	38-120	4	30	ug/L	04.15.19 20:35	
2,4-Dimethylphenol	<0.860	50.0	43.4	87	44.7	89	39-117	3	30	ug/L	04.15.19 20:35	
2,4-Dinitrophenol	<0.869	50.0	40.7	81	42.8	86	13-152	5	40	ug/L	04.15.19 20:35	
2,4-Dinitrotoluene	<0.767	50.0	47.3	95	48.7	97	41-128	3	30	ug/L	04.15.19 20:35	
2,6-Dinitrotoluene	<0.974	50.0	48.3	97	50.3	101	42-127	4	30	ug/L	04.15.19 20:35	
2-Chloronaphthalene	<1.01	50.0	43.5	87	45.2	90	40-118	4	30	ug/L	04.15.19 20:35	
2-Chlorophenol	<1.04	50.0	40.6	81	41.6	83	41-108	2	30	ug/L	04.15.19 20:35	
2-Nitrophenol	<1.03	50.0	43.3	87	45.4	91	38-125	5	30	ug/L	04.15.19 20:35	
3,3-Dichlorobenzidine	<0.549	50.0	42.2	84	44.3	89	29-141	5	40	ug/L	04.15.19 20:35	
4,6-dinitro-2-methyl phenol	<0.696	50.0	39.2	78	40.8	82	12-157	4	40	ug/L	04.15.19 20:35	
4-Bromophenyl-phenylether	<0.980	50.0	45.2	90	47.1	94	40-126	4	30	ug/L	04.15.19 20:35	
4-chloro-3-methylphenol	<0.950	50.0	44.3	89	45.9	92	40-119	4	30	ug/L	04.15.19 20:35	
4-Chlorophenyl Phenyl Ether	<1.03	50.0	45.4	91	46.7	93	40-122	3	30	ug/L	04.15.19 20:35	
4-Nitrophenol	<0.387	50.0	19.8	40	19.3	39	14-82	3	40	ug/L	04.15.19 20:35	
Acenaphthylene	<0.986	50.0	45.1	90	46.6	93	41-118	3	30	ug/L	04.15.19 20:35	
Benzidine	<0.767	50.0	5.47	11	8.80	18	14-118	47	40	ug/L	04.15.19 20:35	J
Benzo(k)fluoranthene	<0.585	50.0	47.0	94	48.2	96	31-139	3	30	ug/L	04.15.19 20:35	
Benzyl Butyl Phthalate	<0.405	50.0	48.1	96	49.1	98	44-133	2	30	ug/L	04.15.19 20:35	
bis(2-chloroethoxy) methane	<1.07	50.0	42.9	86	44.5	89	36-113	4	30	ug/L	04.15.19 20:35	
bis(2-chloroethyl) ether	<1.02	50.0	42.4	85	43.6	87	38-111	3	30	ug/L	04.15.19 20:35	
bis(2-chloroisopropyl) ether	<1.09	50.0	42.8	86	43.9	88	32-110	3	30	ug/L	04.15.19 20:35	
bis(2-ethylhexyl) phthalate	<0.441	50.0	48.5	97	49.4	99	44-136	2	30	ug/L	04.15.19 20:35	
Diethyl Phthalate	<0.911	50.0	47.3	95	49.0	98	41-125	4	30	ug/L	04.15.19 20:35	
Dimethyl Phthalate	<0.968	50.0	46.5	93	47.8	96	42-123	3	30	ug/L	04.15.19 20:35	
di-n-Butyl Phthalate	1.68	50.0	45.0	90	45.8	92	41-133	2	30	ug/L	04.15.19 20:35	
di-n-Octyl Phthalate	<0.408	50.0	44.3	89	45.3	91	34-145	2	30	ug/L	04.15.19 20:35	
Hexachlorobenzene	<0.902	50.0	44.8	90	45.8	92	39-128	2	30	ug/L	04.15.19 20:35	
Hexachlorobutadiene	<0.989	50.0	41.6	83	43.1	86	31-120	4	30	ug/L	04.15.19 20:35	
Hexachlorocyclopentadiene	<0.495	50.0	43.5	87	46.2	92	15-117	6	30	ug/L	04.15.19 20:35	
Hexachloroethane	<1.03	50.0	40.7	81	42.2	84	37-109	4	30	ug/L	04.15.19 20:35	
Isophorone	<1.02	50.0	44.1	88	45.9	92	40-115	4	30	ug/L	04.15.19 20:35	
Naphthalene	<0.977	50.0	41.8	84	43.5	87	37-113	4	30	ug/L	04.15.19 20:35	
Nitrobenzene	<1.02	50.0	42.9	86	44.5	89	37-114	4	30	ug/L	04.15.19 20:35	
N-Nitrosodimethylamine	<0.738	50.0	24.6	49	24.4	49	28-76	1	30	ug/L	04.15.19 20:35	
N-Nitrosodi-n-Propylamine	<1.04	50.0	43.1	86	44.4	89	38-117	3	30	ug/L	04.15.19 20:35	
N-Nitrosodiphenylamine	<0.983	50.0	46.6	93	47.6	95	40-127	2	30	ug/L	04.15.19 20:35	
Pentachlorophenol	<0.522	50.0	43.4	87	45.0	90	10-137	4	40	ug/L	04.15.19 20:35	
Phenol	<0.525	50.0	15.9	32	15.5	31	15-64	3	40	ug/L	04.15.19 20:35	
Pyrene	<0.468	50.0	47.9	96	49.4	99	40-130	3	30	ug/L	04.15.19 20:35	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	56		51		49		28-114	%	04.15.19 20:35

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: SVOCs PP List by SW-846 8270D Prep Method: SW3510C

Seq Number: 3085787 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675599-1-BLK LCS Sample Id: 7675599-1-BKS LCSD Sample Id: 7675599-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Phenol-d6	35		32		30		23-117	%	04.15.19 20:35
Nitrobenzene-d5	88		90		91		26-110	%	04.15.19 20:35
2-Fluorobiphenyl	88		90		91		29-112	%	04.15.19 20:35
2,4,6-Tribromophenol	89		100		100		31-132	%	04.15.19 20:35
Terphenyl-D14	93		100		99		20-141	%	04.15.19 20:35

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 620860

Wood Environment & Infrastructure Solutions

Apopka Tank

Analytical Method: **VOCs PP List by SW-846 8260BPP** Prep Method: SW5030B

Seq Number: 3085668 Matrix: Water Date Prep: 04.12.19

MB Sample Id: 7675601-1-BLK LCS Sample Id: 7675601-1-BKS LCSD Sample Id: 7675601-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acrolein	<0.373	100	96.8	97	108	108	40-140	11	20	ug/L	04.12.19 13:16	
Acrylonitrile	<0.490	100	108	108	113	113	40-140	5	20	ug/L	04.12.19 13:16	
Benzene	<0.160	50.0	47.9	96	51.3	103	80-120	7	20	ug/L	04.12.19 13:16	
Bromodichloromethane	<0.250	50.0	45.5	91	49.0	98	75-120	7	20	ug/L	04.12.19 13:16	
Bromoform	<0.170	50.0	42.2	84	47.7	95	70-130	12	20	ug/L	04.12.19 13:16	
Bromomethane	<0.250	50.0	23.8	48	26.3	53	30-145	10	20	ug/L	04.12.19 13:16	
Carbon Tetrachloride	<0.330	50.0	40.8	82	43.9	88	65-140	7	20	ug/L	04.12.19 13:16	
Chlorobenzene	<0.150	50.0	45.4	91	49.2	98	80-120	8	20	ug/L	04.12.19 13:16	
Chloroethane	<0.250	50.0	25.1	50	26.8	54	60-135	7	20	ug/L	04.12.19 13:16	J
Chloroform	<0.160	50.0	42.7	85	45.8	92	65-135	7	20	ug/L	04.12.19 13:16	
Chloromethane	<0.250	50.0	44.3	89	47.7	95	40-125	7	20	ug/L	04.12.19 13:16	
Dibromochloromethane	<0.150	50.0	39.5	79	43.3	87	60-135	9	20	ug/L	04.12.19 13:16	
1,1-Dichloroethane	<0.110	50.0	48.2	96	51.9	104	70-150	7	20	ug/L	04.12.19 13:16	
1,2-Dichloroethane	<0.180	50.0	39.4	79	42.9	86	70-130	9	20	ug/L	04.12.19 13:16	
1,1-Dichloroethene	<0.200	50.0	45.7	91	49.0	98	70-130	7	20	ug/L	04.12.19 13:16	
cis-1,2-Dichloroethene	<0.210	50.0	48.9	98	52.3	105	70-125	7	20	ug/L	04.12.19 13:16	
trans-1,2-dichloroethene	<0.210	50.0	47.2	94	51.6	103	60-140	9	20	ug/L	04.12.19 13:16	
1,2-Dichloropropane	<0.150	50.0	49.3	99	53.8	108	75-125	9	20	ug/L	04.12.19 13:16	
cis-1,3-Dichloropropene	<0.100	50.0	45.2	90	49.2	98	70-125	8	20	ug/L	04.12.19 13:16	
trans-1,3-dichloropropene	<0.110	50.0	42.6	85	47.8	96	55-140	12	20	ug/L	04.12.19 13:16	
Ethylbenzene	<0.190	50.0	46.5	93	50.6	101	75-125	8	20	ug/L	04.12.19 13:16	
Methylene Chloride	<0.420	50.0	50.2	100	53.7	107	55-140	7	20	ug/L	04.12.19 13:16	
MTBE	<0.180	100	97.6	98	107	107	65-125	9	20	ug/L	04.12.19 13:16	
1,1,2,2-Tetrachloroethane	<0.180	50.0	47.7	95	53.7	107	65-148	12	20	ug/L	04.12.19 13:16	
Tetrachloroethylene	<0.160	50.0	43.6	87	47.0	94	45-150	8	20	ug/L	04.12.19 13:16	
Toluene	<0.140	50.0	47.0	94	50.3	101	75-120	7	20	ug/L	04.12.19 13:16	
1,1,1-Trichloroethane	<0.160	50.0	41.6	83	44.5	89	65-145	7	20	ug/L	04.12.19 13:16	
1,1,2-Trichloroethane	<0.250	50.0	48.1	96	52.2	104	75-151	8	20	ug/L	04.12.19 13:16	
Trichloroethene	<0.190	50.0	44.8	90	47.8	96	70-125	6	20	ug/L	04.12.19 13:16	
Trichlorofluoromethane	<0.530	50.0	30.7	61	32.4	65	60-145	5	20	ug/L	04.12.19 13:16	
o-Xylene	<0.200	50.0	48.2	96	52.5	105	80-120	9	20	ug/L	04.12.19 13:16	
m,p-Xylenes	<0.510	100	96.8	97	105	105	75-130	8	20	ug/L	04.12.19 13:16	
Vinyl Chloride	<0.190	50.0	46.0	92	49.4	99	50-145	7	20	ug/L	04.12.19 13:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	92		94		95		53-159	%	04.12.19 13:16
Toluene-D8	97		96		96		70-130	%	04.12.19 13:16
4-Bromofluorobenzene	119		104		106		30-180	%	04.12.19 13:16

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

XENCO LABORATORIES

Chain of Custody

Work Order No: 620860

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

www.xenco.com Page 1 of

Project Manager:	Andy Hooper	Bill to: (if different)	SAME
Company Name:	Wood Environment & Infrastructure	Company Name:	
Address:	1101 Channelside Dr. Suite 200	Address:	
City, State ZIP:	Tampa, FL	City, State ZIP:	
Phone:		Email:	Andrew.hooper@woodplc.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Apopka Tank	Turn Around	
Project Number:		Routine ☐	
P.O. Number:		Rush: 48 hrs	
Sampler's Name:	Siera Jann	Due Date:	

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	5.4	Thermometer ID		
Received Intact:	Yes No	T-20		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.6	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Work Order Notes

Add FLPRO to PAHs

* USED OIL

RUSH 48hrs

TAT starts the day recevied by the lab, if received by 4:30pm

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	VOC PP SW-846 8260BPP	SVOCs PP list SW8270D	PAHs by SW846 8270DSIM	Pesticides SW-846 8081B	PCBs SW-846 8082A	4 RCRA Metals SW6010C	Dissolved Metals SW-846 6010C								Sample Comments
TMW-1 (Tank pit)	GW	4/11/19	1400	16.0'	9	X	X	X	X	X	X	X								Dissolved RCRA - field filtered

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	4/11/19 1614	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 126527

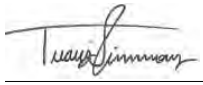
Date/Time:	04.11.2019 15:41	Created by:	Lourdes Arevalo	Please send report to:	Chad Bechtold
Lab# From:	**Tampa**	Delivery Priority:		Address:	Xenco Laboratories
Lab# To:	**Houston**	Air Bill No.:	774950791894	E-Mail:	Chad.Bechtold@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
620860-001	W	TMW-1 (Tank pit)	04.11.2019 14:00	SW6010C_DISS	Dissolved Metals by SW-846 6010C	04.15.2019	10.08.2019	CBE	AS CD CR PB	
620860-001	W	TMW-1 (Tank pit)	04.11.2019 14:00	SW6010C_4RCRA	4 RCRA Metals By SW6010C	04.15.2019	10.08.2019	CBE	AS CD CR PB	
620860-001	W	TMW-1 (Tank pit)	04.11.2019 14:00	SW8081B	Pesticides by SW-846 8081B	04.15.2019	04.18.2019	CBE	ALDRIN BHCALPHA BI	
620860-001	W	TMW-1 (Tank pit)	04.11.2019 14:00	SW8082A	PCBs by SW-846 8082A	04.15.2019	04.10.2020	CBE	PCB1016 PCB1221 PCB1	
620860-001	W	TMW-1 (Tank pit)	04.11.2019 14:00	SW8270DPP	SVOCs PP List by SW-846 8270D	04.15.2019	04.18.2019	CBE	22DCISOPRE ACNPY BI	

Inter Office Shipment or Sample Comments:

Relinquished By: 
Lourdes Arevalo

Date Relinquished: 04.11.2019

Received By: 
Travis Simmons

Date Received: 04.12.2019 09:40

Cooler Temperature: 0.9

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 126527

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Lourdes Arevalo **Date Sent:** 04/11/2019 03:41 PM

Received By: Travis Simmons **Date Received:** 04/12/2019 09:40 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.9	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Travis Simmons Date: 04/12/2019

Travis Simmons

Appendix F
Disposal Manifests

Petrotech
Southeast, Inc.

IN CASE OF EMERGENCY CONTACT 1-800-293-1743

Manifest #
2. Page 1 of 1
Route #
181497

TRANSPORTERS MANIFEST FOR NON-HAZARDOUS MATERIALS

04/08/2019

Generator Information

1. US EPA ID# UNAVAILABLE
3. Site Address: Coca-Cola Company, 2651 Orange Avenue, Apopka, FL 32703
4. Phone Number: 407-399-9383

BILL TO INFORMATION: 4804-0051
HANDEX CONSULTING &REMEDIATION
6756 EDGEWATER COMMERCE PKWY
ORLANDO FL 32810
Contact:

5. Transporter 1: **Petrotech Southeast, Inc.** | 6. US EPA ID #: **FLR 000159541** | A. Transporter's Phone: **407-656-8114**

7. Designated Facility Name and Address: **Petrotech Southeast, Inc., 23800 County Road 561, Astatula, FL 34705-9497** | 8. US EPA ID #: **FLR 000159541** | A. Designated Facility Phone: **407-656-8114**

HM	9. Proper Shipping	Hazard	I.D. #	PKG #	10. Containers		11. Total	12. Unit	Price	Total
	Combustible Liquid NOS	3	NA 1993	III						
	Used Oil (Destined for Recycling)									
	Waste Water/Oily Water				001	TT	67	G		
	Used Oil and Water Mixture (Wet Oil)									
	Used Antifreeze									
	Petroleum Contact Water									
	Sludge/Solids				001	TT	43	G		
	Used Oil Filters									
	Absorbent (Disposal Only)									
	Total Charges									

Charge	COD	Cash	Check #	Customer PO#		Driver	Sales Rep
# Of Filter Drums	Halogen Detection (Circle One) Pass Fail		Dexsil Test Results: PPM	Arrive 8:21	Depart	R.O.	

13. Special Handling Instructions and additional information:

14. Generators Certification: I, the undersigned, do hereby certify to the best of my knowledge, the waste stream identified above has been generated without any changes in the generating process since the last hazardous waste determination. In the event changes are made to the generating process, I, the generator, will inform PSI of those changes. This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations for the Department of Transportation.

Printed/Typed Name:	Mark LaSalle	Signature	Mark LaSalle	Date	4/9/19

15. Transporters Certification: This is to certify that the above named materials have been collected and will be transported, treated, recycled, and disposed of in a manner compliant with all Federal, State, and Local laws.

Printed/Typed Name:	RALPH DENNIS	Signature		Date	4/9/19

16. Comments/Instructions/Discrepancies:
Rinse 2K UST Tank for disposal

Disposed of 1-UST Tank

17. Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in Item 16.

Printed/Typed Name:	C Patterson	Signature	C Patterson	Date	4/9/19

Distribution White-Transporter Yellow-Office Pink-Generator

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. FL0000159541	Manifest Document No.	2. Page 1 of	040819-441

GENERATOR

3. Generator's Name and Mailing Address
The Coca-Cola Company
2651 Orange Avenue
Apopka, FL 32703

4. Generator's Phone ( ) 407 656 8114

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Petrotech Southeast, Inc.	**FLR000159541**	**407-656-8114**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **TheTA America Group** **5551 W. Ponkan Road** **Apopka, FL 32703**	10. US EPA ID Number Unavailable	C. Facility's Phone 352-567-7676

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Tank	001	TT	500	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
	D.O.T EMERGENCY RESPONSE NONE

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark LaSalle	Mark LaSalle	09	09	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Michael Patton	Michael Patton	09	09	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

ORIGINAL - RETURN TO GENERATOR

TRC America
DEMOLITION SERVICES LLC
SCRAP METAL RECYCLING

5551 W PONKAN ROAD
APOPKA, FL 32703
(407) 703-8577
www.trcscrap.com

04051 9-KY1 103213

GROSS	TARE	NET	DESCRIPTION	PRICE	AMOUNT
1101	561	540	C. Shred	.055	29 70

Appendix G
Photographs



PHOTO 1:

View of soil stockpile from UST pit. View facing north from the covered UST tank on the western side of the pit.



PHOTO 2:

View from the southwestern corner of the UST pit, facing northeast. The pit is flagged off and the soil samples were collected from the inner walls of the pit.



PHOTO 3:

View from the southwestern corner of the UST pit, facing north. The pit is flagged off and the soil samples were collected from the inner walls of the pit.



PHOTO 4:

View of western side of the pit from the base of the southeastern portion of the pit. A ladder to the south was utilized to get in and out of the pit in order to collect soil samples. OVA samples were collected at various depths along the wall using a hand auger.



PHOTO 5:

View of northern wall of the pit from the base of the southern portion of the pit. OVA samples were collected at various depths along the wall using a hand auger.



PHOTO 6:

View of eastern wall of the pit from the top of the western portion of the pit. OVA samples were collected at various depths along the wall using a hand auger.



PHOTO 7:

View of the southern side of the pit with the ladder and hand auger leaning against the sample wall. The area around the pit is flagged off. OVA samples were collected at various depths along the wall using a hand auger.



PHOTO 8:

View of soil stockpile from inside of the pit.



PHOTO 9:

View of Handex removing the excavated UST. Minor damage from the excavator is observed in the tank.



PHOTO 10:

View of waste oil/sludge material located inside of the UST.



PHOTO 11:

View of Handex vacuuming the waste solution out of the interior of the UST.



PHOTO 12:

View of backhoe moving the cleaned UST to the back of truck for removal.



PHOTO 13:

View of UST being lowered on back of truck trailer to be properly disposed of.



PHOTO 14:

View of UST on back of truck trailer being tied down to be properly disposed of.



PHOTO 15:

General view of Environmental Drilling Services Geoprobe track-mounted 6620DT rig used for well installation.



PHOTO 16:

View of backfilled and graded tank pit where drilling and well installation activities occurred, facing east.



PHOTO 17:

General view of Environmental Drilling Services Geoprobe track-mounted 6620DT rig used for well installation.



PHOTO 18:

View of drilling activities.



PHOTO 19:

View of temporary monitoring well before installation.



PHOTO 20:

View of excavator, covered UST tank, and soil pile staged to the west of the pit.



PHOTO 21:

General view of site area, facing northwest.



PHOTO 22:

General view of site area and excavation equipment, facing south west.



PHOTO 23:

General view of Environmental Drilling Services Geoprobe track-mounted 6620DT rig used for well installation.



PHOTO 24:

View of excavator, covered UST tank, and soil pile staged to the west of the pit.



PHOTO 25:

View of installed temporary monitoring well.



PHOTO 26:

View of temporary monitoring well with submersible pump during development.



PHOTO 27:

View of excavated stockpile with drill cuttings.

INTENTIONALLY LEFT BLANK

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

November 26, 2024

Ms. Tracey Brown
The Coca Cola Company
Special Products Department
2501 West Orange Avenue
Apopka, FL 32703
TrBrown@coca-cola.com

Subject: Site Rehabilitation Completion Order
Orange County - Waste Cleanup
The Coca Cola Company
Special Products Department AST
2501 West Orange Avenue
Apopka, Florida 32703
WCU SITE ID: ERIC_12758
Discharge Date: March 8, 2008 (AST 306)

Dear Ms. Brown:

The Department has reviewed the "Semi-Annual Groundwater Sampling Report Relative to Tank No. 306" that was created March 6, 2024 (Report). The Report was submitted on March 14, 2024 by Ardaman and Associates, Inc. (Ardaman) for the Special Products Department AST Site located at 2501 West Orange Avenue in Apopka, Orange County, Florida. All the documents submitted to date are adequate to meet the site assessment requirements of Rule 62-780.600, Florida Administrative Code (F.A.C.).

In addition, the person responsible for site rehabilitation has requested to address the contamination pursuant to subsection 376.30701(1)(b), Florida Statutes (F.S.) under the global risk-based corrective action (RBCA) program (not petroleum RBCA). Documentation submitted with the Report confirms that the only remaining contaminants (benzene, p-isopropyltoluene, isopropylbenzene and Total Petroleum Hydrocarbons (TPH)) exceed nuisance, organoleptic or aesthetic consideration criteria set forth in paragraphs 376.30701(2)(g)3.a-f, F.S. and Subsection 62-780.680(1)(c)1.a.(I)-(IV), F.A.C. In an October 3, 2013 letter, the Department agreed that the TPH analysis was not relevant to this site because hydrocarbon "fingerprinting" proved the TPH source to be trace amounts of terpanes and not petroleum. Please refer to the attached map[s] of the source property and analytical summary tables, Exhibits A and B respectively and hereby incorporated by reference. Due to the generic permit dewatering requirements found in Rule 62-621.300, F.A.C., information about the above facility will be maintained on the Department's Institutional Controls Registry website at: http://ca.dep.state.fl.us/mapdirect/?focus=icr. The

Report is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for contamination associated with the discharge referenced above, except as set forth below.

(1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the Report or otherwise allowed by Chapter 62-780, F.A.C.

(2) Additionally, you are required to properly plug and abandon all monitoring wells, injection wells, extraction wells, and sparge wells within 60 days of receipt of this Order unless these wells are otherwise required for compliance with a local ordinance or another cleanup. The wells must be plugged and abandoned in accordance with the requirements of Subsection 62-532.500(5), F.A.C. A Well Plugging Report shall be submitted within 30 days of well plugging. Other State, county or city requirements for well abandonment may also apply.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@FloridaDEP.gov. Also, a copy of the petition shall be mailed to the addressee for this order at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the addressee for this order must be filed within **21** days of receipt of this written notice. Petitions filed by any persons other than the addressee for this order must be filed within **21** days of publication of the notice or within **21** days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver may not apply to persons who have not received a clear point of entry.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@FloridaDEP.gov, before the deadline

for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Questions

Any questions regarding the review of the Report should be directed to Johanna Leonard at (407) 897-4130. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

The FDEP Facility Number for this facility is ERIC_12758. Please use this identification on all future correspondence with the Department.

EXECUTION AND CLERKING

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Program Administrator
Permitting and Waste Cleanup Program

RP/lb/jgl

CERTIFICATE OF SERVICE
The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Katherine Vinnel — November 26, 2024
Clerk — Date

Exhibits: A: map(s) of the source property; B:

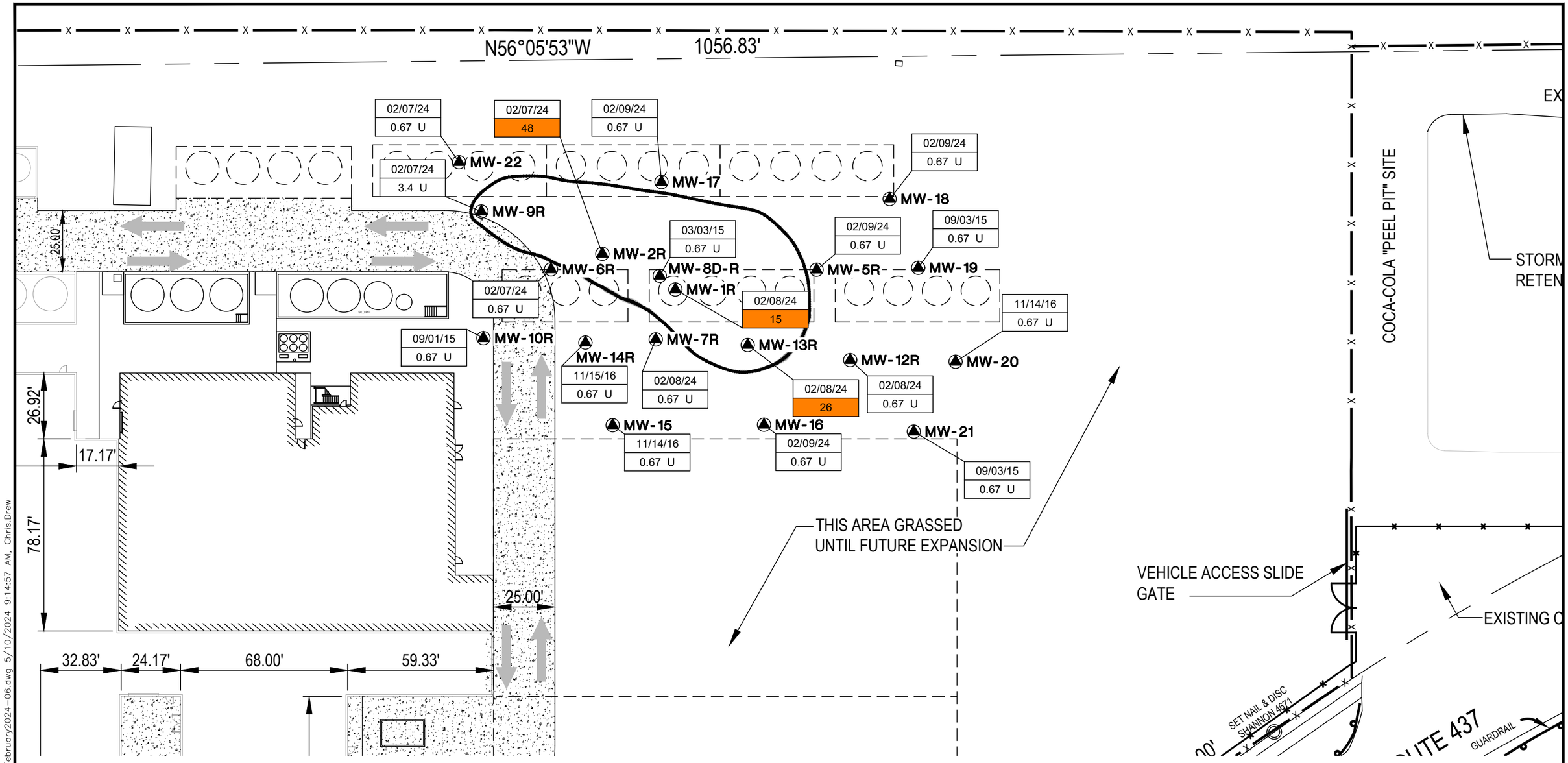
cc: Kathryn Minter, Geologist, Ardaman & Associates, KMinter@ardaman.com
Carl Stephens, P.E., Senior Project Engineer, Ardaman & Associates, CStephens@ardaman.com

ec: Lu Burson, FDEP Central District Office – lu.burson@FloridaDEP.gov
Johanna Leonard, FDEP–PRP Johanna.Leonard@FloridaDEP.gov
Carl Stephens, Ardaman – Cstephens@Ardaman.com

Wesley Curtis, St. Johns River Water Management District – wcurtis@sjrwmd.com
DWM_ERIC_IC@FloridaDEP.gov

File

EXHIBIT A



LEGEND

MW	MONITORING WELL LOCATIONS	U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
03/03/15	DATE OF SAMPLE		ESTIMATED EXTENT OF ISOPROPYLBENZENE CONTAMINATION (DASHED WHERE INFERRED)
0.8	ISOPROPYLBENZENE (µg/L)		
0.8	CONCENTRATION ABOVE GCTL		
8	CONCENTRATION ABOVE NADC		

NOTE: THE BASE MAP WAS PROVIDED BY THE COCA-COLA COMPANY, DATED 10/26/11.

N

0 20 40
SCALE: 1"=40'

ISOPROPYLBENZENE CONCENTRATION MAP

Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

COCA-COLA SPECIAL PRODUCTS
TANK NO. 306 SITE
2501 W. ORANGE AVENUE
APOPKA, ORANGE COUNTY, FLORIDA

DRAWN BY: MDE	CHECKED BY:	DATE: 02/28/24
FILE NO. 10-6687A	APPROVED BY:	FIGURE: 6

T:\Orlando\10\10-6687A\February 2024\106687A-February2024-06.dwg 5/10/2024 9:14:57 AM, Chris.Drew

EXHIBIT B

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	TMW-1	MW-1[2]										62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	5-15	10-20											
	Date Sampled	11/06/10	05/05/11	06/01/11										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	2 U	**2.7**	**11**									1	100
	Toluene	**9.2**	0.56 U	**1.3**									40	400
	Ethylbenzene	**11**	0.42 U	0.69 U									30	300
	Xylenes, total	**4**	1.30 U	1.80 U									20	200
	Methyl tert-butyl ether (MTBE)	1.3 U	0.46 U	0.60 U									20	200
	Acenaphthene	13 U	0.092 U	NS									20	200
	Acenaphthylene	15 U	0.065 U	NS									210	2,100
	Anthracene	7.0 U	0.056 U	NS									2,100	21,000
	Benzo(a)anthracene	5.5 U	0.033 U	NS									0.05	5
	Benzo(a)pyrene	5.0 U	0.065 U	NS									0.2	20
	Benzo(b)fluoranthene	7.0 U	0.046 U	NS									0.05	5
	Benzo(ghi)perylene	8.5 U	0.062 U	NS									210	2,100
	Benzo(k)fluoranthene	6.5 U	0.050 U	NS									0.5	50
	Chrysene	6.5 U	0.035 U	NS									4.8	480
	Dibenz(ah)anthracene	8.0 U	0.054 U	NS									0.005	0.5
	Fluoranthene	6.5 U	0.032 U	NS									280	2,800
	Fluorene	13 U	0.071 U	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	7.5 U	0.10 U	NS									0.05	5
	Naphthalene	17 U	0.076 U	NS									14	140
	1-Methyl Naphthalene	14 U	0.17 U	NS									28	280
	2-Methyl Naphthalene	*13* U	0.17 U	NS									28	280
	Phenanthrene	7.5 U	0.13 U	NS									210	2,100
	Pyrene	7.0 U	0.032 U	NS									210	2,100
	TRPH[1]	**27,000**	**5,700**	**11,000**									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS									3	300
OTHER	Acetone	**82**	**47**	**65**									6,300	63,000
	Chloroethane	3.3 U	1.2 U	0.98 U									12	1,200
	1,1-Dichloroethane	2.2 U	0.42 U	0.57 U									70	700
	1,1-Dichloroethene	2.5 U	0.60 U	0.94 U									7	700
	4-methyl-2-pentanone	**26 U**	1.0 U	**9.8**									560	5,600
	Tetrachloroethene	2.2 U	1.6 U	0.76 U									3	300
	Trichloroethene	2.0 U	0.72 U	0.55 U									3	300
	1,1,1-Trichloroethane	2.0 U	0.78 U	0.59 U									200	2,000
	Vinyl Chloride	2.4 U	0.80 U	0.71 U									1	100
	cis-1,2-Dichloroethene	2.0 U	0.56 U	0.49 U									70	700
	trans-1,2-Dichloroethene	2.4 U	0.80 U	0.72 U									100	1,000
	4-Isopropyltoluene (Cymene)	**5,200**	**310**	**600**									660	6,600
	Isopropylbenzene (Cumene)	**250**	**1.3** I	**2.3**									0.8	8
	Chloroform	NA	NA	0.54 U									70	700
	2-Butanone (MEK)	NA	NA	4.5 U									*	*
	Bromodichloromethane	NA	NA	0.49 U									0.6	60
	Dibromochloromethane	NA	NA	0.44 U									0.4	40
	1,2,4-Trimethylbenzene	1.9 U	0.52 U	**2.8**									10	100
	1,3,5-Trimethylbenzene	2.2 U	0.42 U	0.49 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.
2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	11/13/14	03/03/15	09/01/15	05/10/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19	01/24/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	3.6 U	3.6 U	**1.8**	**2.1**	3.6 U	**1.4**	0.71 U	0.71 U	**0.85 I**	0.71 U	**1.0**	0.71 U	1	100
	Toluene	3.6 U	3.6 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**5.1**	3.4 U	**4.3**	**9.9**	**6.4**	**9.4**	**5.0**	**3.2**	**4.4**	**1.8**	**1.7**	**0.78 I**	30	300
	Xylenes, total	6.5 U	6.5 U	1.3 U	1.30 U	6.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	3.0 U	3.0 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Acetone	25 U	25.0 U	**24**	**48**	50 U	**28**	**120**	**100**	**19 I**	10 U	10 U	10 U	6,300	63,000
	Chloroethane	4.9 U	4.9 U	0.98 U	2.0 U	4.9 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	3.1 U	3.1 U	0.57 U	1.2 U	3.1 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	4.7 U	4.7 U	0.94 U	1.9 U	4.7 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	4-methyl-2-pentanone	4.0 U	**8.0** I	0.79 U	1.6 U	4.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	560	5,600
	Tetrachloroethene	3.8 U	3.8 U	0.76 U	1.5 U	3.8 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	4.4 U	4.4 U	0.55 U	1.8 U	4.4 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	4.0 U	4.0 U	0.59 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	3.6 U	3.6 U	0.71 U	1.4 U	3.6 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	2.6 U	2.6 U	0.49 U	1.1 U	2.6 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	3.6 U	3.6 U	0.72 U	1.5 U	3.6 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	4-Isopropyltoluene (Cymene)	**560**	**270**	**2.7**	**23**	**8.0**	**12**	**7.9**	**1.1**	**2.2**	0.80 U	**1.3**	**1.4**	660	6,600
	Isopropylbenzene (Cumene)	**7.0**	**10**	**9.0**	**11**	**10**	**16**	**11**	**6.2**	**9.3**	**5.0**	**12**	**8.8**	0.8	8
	Chloroform	4.0 U	4.0 U	0.54 U	1.6 U	4.0 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	22 U	3.8 U	4.5 U	9.0 U	22 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	Bromodichloromethane	2.6 U	2.6 U	0.49 U	1.0 U	2.6 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	2.2 U	2.2 U	0.44 U	0.88 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	3.4 U	3.4 U	**2.8**	1.4 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	2.9 U	2.9 U	0.49 U	1.2 U	2.9 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result * - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-1R												62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1													
	Date Sampled	02/12/21	11/09/21	03/01/23	02/08/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.82 I**	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Acetone	10 U	10 U	25 U	25 U									6,300	63,000
	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	4-methyl-2-pentanone	2.5 U	2.5 U	2.5 U	2.5 U									560	5,600
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	4-Isopropyltoluene (Cymene)	**2.5**	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	**15**	**9.5**	**14**	**15**									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2[2]		MW-2R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10-20		10.1-20.1											
	Date Sampled	05/05/11	06/01/11	11/13/14	03/03/15	09/03/15	05/11/16	11/16/16	06/28/17	01/12/18	07/23/18	01/22/19	07/23/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.48 U	**0.6**	14 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	Toluene	**2.1**	**3.0**	14 U	36 U	72 U	36 U	72 U	72 U	72 U	72 U	360 U	18 U	40	400
	Ethylbenzene	**2.6**	**3.8**	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	30	300
	Xylenes, total	1.3 U	1.8 U	26 U	65 U	130 U	65 U	130 U	130 U	130 U	130 U	650 U	32 U	20	200
	Methyl tert-butyl ether (MTBE)	0.65 U	0.60 U	12 U	30 U	60 U	30 U	60 U	60 U	60 U	60 U	300 U	15 U	20	200
	Acenaphthene	0.092 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	**0.12** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	0.033 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	0.065 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	0.046 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	0.062 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	0.050 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	0.035 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	0.054 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	**0.078** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	0.10 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.076 U	NS	NS	41 U	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	**0.19** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	**0.18** I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	**0.66**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	0.032 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**6,500**	**18,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	39 U	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	32 U	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	**84**	**88**	100 U	49 U	98 U	49 U	98 U	98 U	98 U	98 U	490 U	24 U	12	1,200
	1,1-Dichloroethane	1.2 U	0.98 U	20 U	31 U	62 U	31 U	62 U	62 U	62 U	62 U	310 U	16 U	70	700
	1,1-Dichloroethene	0.42 U	0.57 U	12 U	47 U	94 U	47 U	94 U	94 U	94 U	94 U	470 U	24 U	7	700
	Tetrachloroethene	0.60 U	0.94 U	19 U	38 U	76 U	38 U	76 U	76 U	76 U	76 U	380 U	19 U	3	300
	Trichloroethene	1.0 U	**14.0**	16 U	44 U	89 U	44 U	89 U	89 U	89 U	89 U	440 U	22 U	3	300
	1,1,1-Trichloroethane	1.6 U	0.76 U	15 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	200	2,000
	Vinyl Chloride	0.72 U	0.55 U	18 U	36 U	71 U	36 U	71 U	71 U	71 U	71 U	360 U	18 U	1	100
	cis-1,2-Dichloroethene	0.78 U	0.59 U	16 U	26 U	53 U	26 U	53 U	53 U	53 U	53 U	260 U	13 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.71 U	14 U	36 U	73 U	36 U	73 U	73 U	73 U	73 U	360 U	18 U	100	1,000
	Acetone	0.56 U	0.49 U	11 U	250 U	500 U	250 U	1000 U	1000 U	1000 U	1000 U	5000 U	250 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,300**	**2,200**	**5,700**	**7600**	**7300**	**7500**	**13000**	**11000**	**34000**	**8900**	**86000**	**3300**	660	6,600
	Isopropylbenzene (Cumene)	**26**	**30**	**34**	**34 U**	**67 U**	**45** I	**78** I	**67 U**	**67 U**	**67 U**	**340 U**	**45**	0.8	8
	Chloroform	NA	0.54 U	16 U	40 U	80 U	40 U	80 U	80 U	80 U	80 U	400 U	20 U	70	700
	2-Butanone (MEK)	NA	0.54 U	16 U	220 U	450 U	220 U	450 U	450 U	450 U	450 U	2200 U	110 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA	**7.4**	90 U	40 U	79 U	40 U	79 U	79 U	79 U	79 U	400 U	20 U	*	*
	Bromodichloromethane	NA	0.49 U	10 U	26 U	52 U	26 U	52 U	52 U	52 U	52 U	260 U	13 U	0.6	60
	Dibromochloromethane	NA	0.44 U	8.8 U	22 U	44 U	22 U	44 U	44 U	44 U	44 U	220 U	11 U	0.4	40
	1,2,4-Trimethylbenzene	0.52 U	0.56 U	14 U	34 U	69 U	34 U	69 U	69 U	69 U	69 U	340 U	17 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.49 U	12 U	29 U	58 U	29 U	58 U	58 U	58 U	58 U	290 U	14 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

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* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-2R										MW-3[2]	MW-4[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1										10-20	9.7-19.7		
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24					05/05/11	09/19/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					**1**	**1**	1	100
	Toluene	72 U	72 U	1.8 U	1.2	0.72 U	**1.3**					0.28 U	0.26 U	40	400
	Ethylbenzene	69 U	69 U	1.7 U	1.2	0.69 U	**2.9**					0.21 U	0.33 U	30	300
	Xylenes, total	130 U	130 U	3.2 U	1.3 U	1.3 U	1.3 U					0.64 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	60 U	60 U	1.5 U	0.60 U	0.60 U	0.60 U					0.23 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS					**0.19** I	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS					0.065 U	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS					0.056 U	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS					0.033 U	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS					0.065 U	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS					0.046 U	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS					0.062 U	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS					0.050 U	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS					0.035 U	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS					0.054 U	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS					0.032 U	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS					0.094 U	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS					0.10 U	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS					**0.13** I	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.047 U	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS					0.052 U	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS					0.068 U	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS					0.032 U	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS					**180**	**190** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS					NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS					NS	NS	3	300
OTHER	Chloroethane	98 U	98 U	2.4 U	0.98 U	0.98 U	0.98 U					**5.7**	2.4 U	12	1,200
	1,1-Dichloroethane	62 U	62 U	1.6 U	0.62 U	0.62 U	0.62 U					0.58 U	0.25 U	70	700
	1,1-Dichloroethene	94 U	94 U	2.4 U	0.94 U	0.94 U	0.94 U					0.21 U	0.46 U	7	700
	Tetrachloroethene	76 U	76 U	1.9 U	0.76 U	0.76 U	0.76 U					0.30 U	0.35 U	3	300
	Trichloroethene	89 U	89 U	2.2 U	0.89 U	0.89 U	0.89 U					0.51 U	0.81 U	3	300
	1,1,1-Trichloroethane	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.82 U	1.0 U	200	2,000
	Vinyl Chloride	71 U	71 U	1.8 U	0.71 U	0.71 U	0.71 U					0.36 U	0.87 U	1	100
	cis-1,2-Dichloroethene	53 U	53 U	1.3 U	0.53 U	0.53 U	0.53 U					0.39 U	0.30 U	70	700
	trans-1,2-Dichloroethene	73 U	73 U	1.8 U	0.73 U	0.73 U	0.73 U					0.40 U	0.37 U	100	1,000
	Acetone	1000 U	1000 U	25 U	86	25 U	**30** I					0.28 U	0.61 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**7100**	**6100**	**240**	**12**	**1.5** I	**32**					0.40 U	2.4 U	660	6,600
	Isopropylbenzene (Cumene)	**67 U**	**67 U**	**14**	**22**	**7.7**	**48**					**26**	8.60 U	0.8	8
	Chloroform	80 U	80 U	2.0 U	0.80 U	0.80 U	0.80 U					0.25 U	0.38 U	70	700
	2-Butanone (MEK)	450 U	450 U	11 U	4.5 U	4.5 U	4.5 U					NA	0.47 U	*	*
	4-Methyl-2-pentanone (MIBK)	79 U	79 U	6.2 U	8.9	5.0 U	NA					NA	0.89 U	*	*
	Bromodichloromethane	52 U	52 U	1.3 U	0.52 U	0.52 U	0.52 U					NA	0.78 U	0.6	60
	Dibromochloromethane	44 U	44 U	1.2 U	0.50 U	0.50 U	0.50 U					NA	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	69 U	69 U	1.7 U	0.69 U	0.69 U	0.69 U					0.26 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	58 U	58 U	1.4 U	0.58 U	0.58 U	0.58 U					0.21 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.7** I	10 U	**14** I	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**1.4**	**1.1**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	**5.5**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-17												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/11/21	11/08/21	03/01/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5[2]	MW-5R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.4-19.4	9.7-19.7												
	Date Sampled	09/19/11	11/10/14	03/03/15	09/03/15	05/09/16	11/16/16	06/27/17	01/12/18	07/23/18	01/21/19	07/23/19	01/23/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.84 I**	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	Toluene	**0.43 I**	3.6 U	14 U	3.4 U	3.4 U	3.6 U	1.4 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.33 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	6.5 U	26 U	6.5 U	6.5 U	6.5 U	2.6 U	1.3 U	1.3 U	6.5 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	1.1 U	3.0 U	12 U	3.0 U	3.0 U	3.0 U	1.2 U	0.60 U	0.60 U	3.0 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**16,000**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.25 U	4.9 U	20 U	4.9 U	4.9 U	4.9 U	2.0 U	0.98 U	0.98 U	4.9 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.46 U	3.1 U	12 U	3.1 U	3.1 U	3.1 U	1.2 U	0.62 U	0.62 U	3.1 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.35 U	4.7 U	19 U	4.7 U	4.7 U	4.7 U	1.9 U	0.94 U	0.94 U	4.7 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.81 U	3.8 U	15 U	3.8 U	3.8 U	3.8 U	1.5 U	0.76 U	0.76 U	3.8 U	0.76 U	0.76 U	3	300
	Trichloroethene	1.0 U	4.4 U	18 U	4.4 U	4.4 U	4.4 U	1.8 U	0.89 U	0.89 U	4.4 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.87 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.30 U	3.6 U	14 U	3.6 U	3.6 U	3.6 U	1.4 U	0.71 U	0.71 U	3.6 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.37 U	2.6 U	11 U	2.6 U	2.6 U	2.6 U	1.1 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.61 U	3.6 U	15 U	3.6 U	3.6 U	3.6 U	1.5 U	0.73 U	0.73 U	3.6 U	0.73 U	0.73 U	100	1,000
	Acetone	**140**	25.0 U	100 U	25 U	**64**	50 U	56	**34**	10 U	50 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	550 U	**2,100**	**1,800**	**770**	**25**	**170**	**23**	**13**	**2.9**	**34**	**3.4**	**6.4**	660	6,600
	Isopropylbenzene (Cumene)	0.38 U	3.4 U	13 U	3.4 U	3.4 U	3.4 U	1.3 U	0.67 U	0.67 U	3.4 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.47 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.80 U	0.80 U	4.0 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	**21**	22 U	90 U	22 U	22 U	22 U	9.0 U	4.5 U	4.5 U	22 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.67 U	4.0 U	16 U	4.0 U	4.0 U	4.0 U	1.6 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.78 U	2.6 U	10 U	2.6 U	2.6 U	2.6 U	1.0 U	0.52 U	0.52 U	2.6 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.84 U	2.2 U	8.8 U	2.2 U	2.2 U	2.2 U	0.88 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	8.0 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U	1.4 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.54 U	2.9 U	12 U	2.9 U	2.9 U	2.9 U	1.2 U	0.58 U	0.58 U	2.9 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-5R							MW-6[2]	MW-6R				62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							10.1-20.1	9.7-19.7					
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24			09/19/11	11/13/14	03/02/15	09/02/15	02/28/23		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.22 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U			**0.86** I	3.6 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			**1.0**	3.4 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U			**2.6**	6.5 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U			1.1 U	3.0 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS			**2,000**	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS			NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U			0.25 U	4.9 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U			0.46 U	3.1 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U			0.35 U	4.7 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U			0.81 U	3.8 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U			1.0 U	4.4 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.87 U	4.0 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U			0.30 U	3.6 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U			0.37 U	2.6 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U			0.61 U	3.6 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U			**10**	25 U	**32**	**36**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.4**	**1.5**	0.80 U	0.80 U	0.80 U			**1,700**	**250**	**35**	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U			0.38 U	3.4 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U			0.47 U	4.0 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U			0.89 U	22 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA			0.67 U	4.0 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U			0.78 U	2.6 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U			0.84 U	2.2 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U			0.74 U	3.4 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U			**1.5**	2.9 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-6R		MW-7[2]	MW-7R									62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7		9.6-19.6	9.7-19.7										
	Date Sampled	02/07/24		09/19/11	11/13/14	03/03/15	09/01/15	05/09/16	11/15/16	06/28/17	01/12/18	07/23/18	01/22/19		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U		**0.51** I	**1.2**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U		0.26 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U		0.33 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U		1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U		1.1 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS		**390**	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U		0.25 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U		0.46 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U		0.35 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U		0.81 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U		1.0 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U		0.87 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U		0.30 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U		0.37 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U		0.61 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	25 U		2.4 U	5.0 U	5.0 U	**7.6** I	**15**	10 U	**31**	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U		**16**	**2.1**	**1.3**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U		0.38 U	**0.94** I	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U		0.47 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U		0.89 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U		0.78 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U		0.84 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U		0.74 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U		0.54 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-7R								MW-8D[2]	MW-8D-R		MW-9[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7								29.7-34.7	30.1-35.1		10.1-20.1		
	Date Sampled	07/22/19	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		09/19/11	11/13/14	03/03/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANT'S OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.22 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U		0.26 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.33 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U		1.2 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U		1.1 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS		**250** I	NS	NS	97 U	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U		0.25 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U		0.46 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U		0.35 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U		0.81 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U		1.0 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.87 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U		0.30 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U		0.37 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U		0.61 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	10 U	10 U	10 U	10 U	10 U	25 U	25 U		2.4 U	5.0 U	5.0 U	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		**330** J4	11	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U		0.38 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.72 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U		0.89 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U		0.78 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U		0.84 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U		0.74 U	0.69 U	0.70 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U		0.54 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/13/14	03/02/15	09/03/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	**33**	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	**6500**	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-9R							MW-10[2]	MW-10R			MW-11[2]	62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7							9.4-19.4	9.7-19.7			9.6-19.6		
	Date Sampled	09/04/20	02/11/21	11/08/21	03/17/22	02/28/23	02/07/24		11/21/11	11/13/14	03/02/15	09/02/15	11/21/11		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.22 U	0.71 U	0.71 U	0.71 U	0.22 U	1	100
	Toluene	7.2 U	14 U	3.6 U	NA	0.72 U	3.6 U		0.26 U	0.72 U	0.72 U	0.72 U	0.26 U	40	400
	Ethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.5 U		0.33 U	0.69 U	0.69 U	0.69 U	0.33 U	30	300
	Xylenes, total	13 U	26 U	6.5 U	NA	1.3 U	6.5 U		1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	20	200
	Methyl tert-butyl ether (MTBE)	6.0 U	12 U	3.0 U	NA	0.60 U	3.0 U		1.1 U	0.60 U	0.60 U	0.60 U	1.1 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS		97 U	NS	NS	NS	**130** I	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	9.8 U	20 U	4.9 U	NA	0.98 U	4.9 U		0.25 U	0.98 U	0.98 U	0.98 U	0.25 U	12	1,200
	1,1-Dichloroethane	6.2 U	12 U	3.1 U	NA	0.62 U	3.1 U		0.46 U	0.62 U	0.62 U	0.62 U	0.46 U	70	700
	1,1-Dichloroethene	9.4 U	19 U	4.7 U	NA	0.94 U	4.7 U		0.35 U	0.94 U	0.94 U	0.94 U	0.35 U	7	700
	Tetrachloroethene	7.6 U	15 U	3.8 U	NA	0.76 U	3.8 U		0.81 U	0.76 U	0.76 U	0.76 U	0.81 U	3	300
	Trichloroethene	8.9 U	18 U	4.4 U	NA	0.89 U	4.5 U		1.0 U	0.89 U	0.89 U	0.89 U	1.0 U	3	300
	1,1,1-Trichloroethane	8.0 U	16 U	4.0 U	NA	0.80 U	4.0 U		0.87 U	0.80 U	0.80 U	0.80 U	0.87 U	200	2,000
	Vinyl Chloride	7.1 U	14 U	3.6 U	NA	0.71 U	3.6 U		0.30 U	0.71 U	0.71 U	0.71 U	0.30 U	1	100
	cis-1,2-Dichloroethene	5.3 U	**18 I**	2.6 U	NA	0.53 U	2.7 U		0.37 U	0.53 U	0.53 U	0.53 U	0.37 U	70	700
	trans-1,2-Dichloroethene	7.3 U	15 U	3.6 U	NA	0.73 U	3.7 U		0.61 U	0.73 U	0.73 U	0.73 U	0.61 U	100	1,000
	Acetone	100 U	200 U	50 U	NA	25 U	130 U		2.4 U	5.0 U	5.0 U	10	2.4 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**990**	**7700**	**450**	**3900**	**15**	**460**		0.63 U	0.88 I	0.80 U	0.80 U	0.63 U	660	6,600
	Isopropylbenzene (Cumene)	6.7 U	13 U	3.4 U	NA	0.67 U	3.4 U		0.38 U	0.67 U	0.67 U	0.67 U	0.38 U	0.8	8
	Chloroform	8.0 U	16 U	4.0 U	NA	**0.89 I**	4.0 U		0.47 U	0.80 U	0.80 U	0.80 U	0.47 U	70	700
	2-Butanone (MEK)	45 U	90 U	22 U	NA	4.5 U	23 U		0.89 U	4.5 U	4.5 U	4.5 U	0.89 U	*	*
	4-Methyl-2-pentanone (MIBK)	25 U	50 U	12 U	NA	5.0 U	NA		0.67 U	0.79 U	0.79 U	0.79 U	0.67 U	*	*
	Bromodichloromethane	5.2 U	10 U	2.6 U	NA	0.52 U	2.6 U		0.78 U	0.52 U	0.52 U	0.52 U	0.78 U	0.6	60
	Dibromochloromethane	5.0 U	10 U	2.5 U	NA	0.44 U	2.5 U		0.84 U	0.44 U	0.44 U	0.44 U	0.84 U	0.4	40
	1,2,4-Trimethylbenzene	6.9 U	14 U	3.4 U	NA	0.69 U	3.4 U		0.74 U	0.69 U	0.69 U	0.69 U	0.74 U	10	100
	1,3,5-Trimethylbenzene	5.8 U	12 U	2.9 U	NA	0.58 U	2.9 U		0.54 U	0.58 U	0.58 U	0.58 U	0.54 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12[2]	MW-12R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	10.1-20.1	9.7-19.7											
	Date Sampled	10/21/11	11/10/14	03/03/15	09/01/15	05/09/16	11/15/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1** I	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.56 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	**1.1** I	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.64 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	**2,200**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	1.2 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.42 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.58 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	1.2 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.72 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.58 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.74 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.56 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.80 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	6.6 U	**13**	**18**	**10**	**16**	10 U	**20**	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**6.8**	**6.8**	**3.6**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.50 U	**2.4**	**2.8**	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.52 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	1.9 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	1.0 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.66 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.50 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.42 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-12R												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	08/03/20	02/11/21	11/08/21	03/02/23	02/08/24									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U								20	200
	Acenaphthene	NS	NS	NS	NS	NS								20	200
	Acenaphthylene	NS	NS	NS	NS	NS								210	2,100
	Anthracene	NS	NS	NS	NS	NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS								0.5	50
	Chrysene	NS	NS	NS	NS	NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS								0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS								280	2,800
	Fluorene	NS	NS	NS	NS	NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS								0.05	5
	Naphthalene	NS	NS	NS	NS	NS								14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS								28	280
	Phenanthrene	NS	NS	NS	NS	NS								210	2,100
	Pyrene	NS	NS	NS	NS	NS								210	2,100
	TRPH[1]	NS	NS	NS	NS	NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U								100	1,000
	Acetone	10 U	10 U	10 U	25 U	25 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	2.5 U	5.0 U	NA								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.50 U	0.50 U	0.50 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13[2]	MW-13R											62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7 - 19.7												
	Date Sampled	12/07/12	11/10/14	03/03/15	09/01/15	05/10/16	11/15/16	06/28/17	01/11/18	07/23/18	01/22/19	07/23/19	01/24/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**1**	**5.0**	36 U	71 U	7.1 U	14 U	71 U	14 U	**2.2 I**	36 U	**1.7**	**2.2 I**	1	100
	Toluene	**2.6**	**5.9**	36 U	72 U	**8.0 I**	14 U	72 U	14 U	**2.9**	36 U	0.72 U	**1.8 I**	40	400
	Ethylbenzene	**22**	**25**	34 U	69 U	**66**	**42**	69 U	14 U	**7.9**	34 U	**0.79 I**	**6.9**	30	300
	Xylenes, total	1.3 U	6.5 U	65 U	130 U	13 U	26 U	130 U	26 U	3.2 U	65 U	1.3 U	3.2 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	3.0 U	30 U	60 U	6.0 U	12 U	60 U	12 U	1.5 U	30 U	0.60 U	1.5 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	4.9 U	49 U	98 U	9.8 U	20 U	98 U	20 U	2.4 U	49 U	0.98 U	2.4 U	12	1,200
	1,1-Dichloroethane	0.62 U	3.1 U	31 U	62 U	6.2 U	12 U	62 U	12 U	1.6 U	31 U	0.62 U	1.6 U	70	700
	1,1-Dichloroethene	0.94 U	4.7 U	47 U	94 U	9.4 U	19 U	94 U	19 U	2.4 U	47 U	0.94 U	2.4 U	7	700
	Tetrachloroethene	0.76 U	3.8 U	38 U	76 U	7.6 U	15 U	76 U	15 U	1.9 U	38 U	0.76 U	1.9 U	3	300
	Trichloroethene	0.89 U	4.4 U	44 U	89 U	8.9 U	18 U	89 U	18 U	2.2 U	44 U	0.89 U	2.2 U	3	300
	1,1,1-Trichloroethane	0.80 U	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	200	2,000
	Vinyl Chloride	0.71 U	3.6 U	36 U	71 U	7.1 U	14 U	71 U	14 U	1.8 U	36 U	0.71 U	1.8 U	1	100
	cis-1,2-Dichloroethene	0.53 U	2.6 U	26 U	53 U	5.3 U	11 U	53 U	11 U	1.3 U	26 U	0.53 U	1.3 U	70	700
	trans-1,2-Dichloroethene	0.73 U	3.6 U	36 U	73 U	7.3 U	15 U	73 U	15 U	1.8 U	36 U	0.73 U	1.8 U	100	1,000
	Acetone	**310**	25 U	250 U	500 U	50.0 U	200 U	1000 U	200 U	25.0 U	500 U	**13 I**	25 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	**3,600**	**8,400**	**7,800**	**6,100**	**700**	**1,600**	**540**	**1,300**	**130**	**180**	**18**	**300**	660	6,600
	Isopropylbenzene (Cumene)	**3.0**	3.4 U	34 U	67 U	**16**	**13 U**	**67 U**	**13 U**	**8.5**	**34 U**	**9.8**	**11**	0.8	8
	Chloroform	**4.7**	4.0 U	40 U	80 U	8.0 U	16 U	80 U	16 U	2.0 U	40 U	0.80 U	2.0 U	70	700
	2-Butanone (MEK)	**6.3**	22 U	220 U	450 U	45 U	90 U	450 U	90 U	11 U	220 U	4.5 U	11 U	*	*
	4-Methyl-2-pentanone (MIBK)	**6.3**	4.0 U	40 U	79 U	7.9 U	16 U	79 U	16 U	2.0 U	40 U	0.79 U	2.0 U	*	*
	Bromodichloromethane	**0.91 I**	2.6 U	26 U	52 U	5.2 U	10 U	52 U	10 U	1.3 U	26 U	0.52 U	1.3 U	0.6	60
	Dibromochloromethane	**0.56 I**	2.2 U	22 U	44 U	4.4 U	8.8 U	44 U	8.8 U	1.1 U	22 U	0.44 U	1.1 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	**11**	35 U	69 U	6.9 U	14 U	69 U	14 U	1.7 U	34 U	0.69 U	1.7 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	2.9 U	29 U	58 U	5.8 U	12 U	58 U	12 U	1.4 U	29 U	0.58 U	1.4 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

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TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-13R													62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7														
	Date Sampled	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	**0.79 I**	1.4 U	**1.1**	**0.77 I**	**0.84 I**									1	100
	Toluene	**0.96 I**	1.4 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	**9.4**	**4.8**	**1.6**	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	2.6 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	1.2 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	2.0 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	1.2 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	1.9 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	1.5 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	1.8 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	1.4 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	1.5 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	**18 I**	20 U	**70**	25 U	**36 I**									6,300	63,000
	4-Isopropyltoluene (Cymene)	**490**	**64**	**1.4**	**0.86 I**	**10**									660	6,600
	Isopropylbenzene (Cumene)	**12**	**14**	**19**	**31**	**26**									0.8	8
	Chloroform	0.80 U	1.6 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	9.0 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	5.0 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	1.0 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	1.0 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	1.2 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

2. Well Abandoned

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-14[2]	MW-14R										62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	11.5-21.5	9.7-19.7											
	Date Sampled	12/07/12	11/14/14	03/02/15	09/02/15	05/09/16	11/15/16							
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	Toluene	**1.4**	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U						40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U						20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U						20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS						20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS						210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS						2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS						0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS						0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS						210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS						0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS						4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS						0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS						280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS						280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS						0.05	5
	Naphthalene	0.82 U	NS	NS	NS	NS	NS						14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS						28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS						210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS						210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS						5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS						0.02	2
	1,2-Dichloroethane	0.63 U	NS	NS	NS	NS	NS						3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U						12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U						70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U						7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U						3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U						3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U						1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U						70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U						100	1,000
	Acetone	**92**	5.0 U	5.0 U	5.0 U	**6.5** I	10 U						6,300	63,000
	4-Isopropyltoluene (Cymene)	**2,900**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U						0.8	8
	Chloroform	**5.8**	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U						70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U						*	*
	4-Methyl-2-pentanone (MIBK)	**2.5** I	0.79 U	0.79 U	0.79 U	0.79 U	5.0 U						*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U						0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U						0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U						10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U						10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-15													62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7														
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	5.0 U	10 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	**7.2**	**4.7**	**0.88 I**	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U									*	*
	Bromodichloromethane	**1.3**	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.44	0.44 U	0.44 U	0.44 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	11/14/14	03/03/15	09/01/15	05/09/16	11/14/16	06/27/17	01/11/18	07/23/18	01/21/19	07/22/19	01/23/20	08/04/20		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	5.0 U	5.0 U	**7.9** I	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-16												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	02/12/21	11/09/21	03/02/23	02/09/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7													
	Date Sampled	09/03/15	05/10/16	11/14/16	06/27/16	01/11/18	07/23/18	01/21/19	07/22/19	01/22/20	08/03/20	02/11/21	11/08/21		
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	20	200
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	200
	Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	50
	Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	0.5
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.05	5
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14	140
	1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	2-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28	280
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	2,100
	TRPH[1]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	100	1,000
	Acetone	5.0 U	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	**2.4** I	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.5 U	*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U	0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50	Shaded bold result denotes concentration exceeding a GCTL
100	Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-18									MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7									9.7-19.7				
	Date Sampled	03/02/23	02/09/24								09/03/15				
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U								0.71 U			1	100
	Toluene	0.72 U	0.72 U								0.72 U			40	400
	Ethylbenzene	0.69 U	0.69 U								0.69 U			30	300
	Xylenes, total	1.3 U	1.3 U								1.3 U			20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U								0.60 U			20	200
	Acenaphthene	NS	NS								NS			20	200
	Acenaphthylene	NS	NS								NS			210	2,100
	Anthracene	NS	NS								NS			2,100	21,000
	Benzo(a)anthracene	NS	NS								NS			0.05	5
	Benzo(a)pyrene	NS	NS								NS			0.2	20
	Benzo(b)fluoranthene	NS	NS								NS			0.05	5
	Benzo(ghi)perylene	NS	NS								NS			210	2,100
	Benzo(k)fluoranthene	NS	NS								NS			0.5	50
	Chrysene	NS	NS								NS			4.8	480
	Dibenz(ah)anthracene	NS	NS								NS			0.005	0.5
	Fluoranthene	NS	NS								NS			280	2,800
	Fluorene	NS	NS								NS			280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS								NS			0.05	5
	Naphthalene	NS	NS								NS			14	140
	1-Methyl Naphthalene	NS	NS								NS			28	280
	2-Methyl Naphthalene	NS	NS								NS			28	280
	Phenanthrene	NS	NS								NS			210	2,100
	Pyrene	NS	NS								NS			210	2,100
	TRPH[1]	NS	NS								NS			5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS								NS			0.02	2
	1,2-Dichloroethane	NS	NS								NS			3	300
OTHER	Chloroethane	0.98 U	0.98 U								0.98 U			12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U								0.62 U			70	700
	1,1-Dichloroethene	0.94 U	0.94 U								0.94 U			7	700
	Tetrachloroethene	0.76 U	0.76 U								0.76 U			3	300
	Trichloroethene	0.89 U	0.89 U								0.89 U			3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U								0.80 U			200	2,000
	Vinyl Chloride	0.71 U	0.71 U								0.71 U			1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U								0.53 U			70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U								0.73 U			100	1,000
	Acetone	25 U	25 U								5.0 U			6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U								0.80 U			660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U								0.67 U			0.8	8
	Chloroform	0.80 U	0.80 U								0.80 U			70	700
	2-Butanone (MEK)	4.5 U	4.5 U								4.5 U			*	*
	4-Methyl-2-pentanone (MIBK)	5.0 U	NA								0.79 U			*	*
	Bromodichloromethane	0.52 U	0.52 U								0.52 U			0.6	60
	Dibromochloromethane	0.44 U	0.44 U								0.44 U			0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U								0.69 U			10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U								0.58 U			10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-20				MW-21								62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration (NAMDSC)
	Screened Interval	9.7-19.7				9.7-19.7									
	Date Sampled	09/03/15	05/09/16	11/14/16		09/03/15									
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	Toluene	0.72 U	0.72 U	0.72 U		0.72 U								40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U		1.3 U								20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U		0.60 U								20	200
	Acenaphthene	NS	NS	NS		NS								20	200
	Acenaphthylene	NS	NS	NS		NS								210	2,100
	Anthracene	NS	NS	NS		NS								2,100	21,000
	Benzo(a)anthracene	NS	NS	NS		NS								0.05	5
	Benzo(a)pyrene	NS	NS	NS		NS								0.2	20
	Benzo(b)fluoranthene	NS	NS	NS		NS								0.05	5
	Benzo(ghi)perylene	NS	NS	NS		NS								210	2,100
	Benzo(k)fluoranthene	NS	NS	NS		NS								0.5	50
	Chrysene	NS	NS	NS		NS								4.8	480
	Dibenz(ah)anthracene	NS	NS	NS		NS								0.005	0.5
	Fluoranthene	NS	NS	NS		NS								280	2,800
	Fluorene	NS	NS	NS		NS								280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS		NS								0.05	5
	Naphthalene	NS	NS	NS		NS								14	140
	1-Methyl Naphthalene	NS	NS	NS		NS								28	280
	2-Methyl Naphthalene	NS	NS	NS		NS								28	280
	Phenanthrene	NS	NS	NS		NS								210	2,100
	Pyrene	NS	NS	NS		NS								210	2,100
	TRPH[1]	NS	NS	NS		NS								5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS		NS								0.02	2
	1,2-Dichloroethane	NS	NS	NS		NS								3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U		0.98 U								12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U		0.62 U								70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U		0.94 U								7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U		0.76 U								3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U		0.89 U								3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U		0.80 U								200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U		0.71 U								1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U		0.53 U								70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U		0.73 U								100	1,000
	Acetone	5.0 U	**8.3** I	10 U		5.0 U								6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U		0.80 U								660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U		0.67 U								0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U		0.80 U								70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U		4.5 U								*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	0.79 U	0.79 U		0.79 U								*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U		0.52 U								0.6	60
	Dibromochloromethane	0.44 U	0.44 U	0.44 U		0.44 U								0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U		0.69 U								10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U		0.58 U								10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L

Facility Address: 2501 West Orange Avenue, Apopka, Florida

	Sample Location	MW-22												62-777, F.A.C. Groundwater Cleanup Target Level (GWCTL)	62-777, F.A.C. Natural Attenuation Monitoring Default Source Concentration
	Screened Interval	9.7-19.7													
	Date Sampled	05/20/21	11/08/21	03/01/23	02/07/24										
F.A.C. 62-770 PETROLEUM PRODUCTS' CONTAMINANTS OF CONCERN	Benzene	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	Toluene	0.72 U	0.72 U	0.72 U	0.72 U									40	400
	Ethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									30	300
	Xylenes, total	1.3 U	1.3 U	1.3 U	1.3 U									20	200
	Methyl tert-butyl ether (MTBE)	0.60 U	0.60 U	0.60 U	0.60 U									20	200
	Acenaphthene	NS	NS	NS	NS									20	200
	Acenaphthylene	NS	NS	NS	NS									210	2,100
	Anthracene	NS	NS	NS	NS									2,100	21,000
	Benzo(a)anthracene	NS	NS	NS	NS									0.05	5
	Benzo(a)pyrene	NS	NS	NS	NS									0.2	20
	Benzo(b)fluoranthene	NS	NS	NS	NS									0.05	5
	Benzo(ghi)perylene	NS	NS	NS	NS									210	2,100
	Benzo(k)fluoranthene	NS	NS	NS	NS									0.5	50
	Chrysene	NS	NS	NS	NS									4.8	480
	Dibenz(ah)anthracene	NS	NS	NS	NS									0.005	0.5
	Fluoranthene	NS	NS	NS	NS									280	2,800
	Fluorene	NS	NS	NS	NS									280	2,800
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS									0.05	5
	Naphthalene	NS	NS	NS	NS									14	140
	1-Methyl Naphthalene	NS	NS	NS	NS									28	280
	2-Methyl Naphthalene	NS	NS	NS	NS									28	280
	Phenanthrene	NS	NS	NS	NS									210	2,100
	Pyrene	NS	NS	NS	NS									210	2,100
	TRPH[1]	NS	NS	NS	NS									5,000	50,000
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS									0.02	2
	1,2-Dichloroethane	NS	NS	NS	NS									3	300
OTHER	Chloroethane	0.98 U	0.98 U	0.98 U	0.98 U									12	1,200
	1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U									70	700
	1,1-Dichloroethene	0.94 U	0.94 U	0.94 U	0.94 U									7	700
	Tetrachloroethene	0.76 U	0.76 U	0.76 U	0.76 U									3	300
	Trichloroethene	0.89 U	0.89 U	0.89 U	0.89 U									3	300
	1,1,1-Trichloroethane	0.80 U	0.80 U	0.80 U	0.80 U									200	2,000
	Vinyl Chloride	0.71 U	0.71 U	0.71 U	0.71 U									1	100
	cis-1,2-Dichloroethene	0.53 U	0.53 U	0.53 U	0.53 U									70	700
	trans-1,2-Dichloroethene	0.73 U	0.73 U	0.73 U	0.73 U									100	1,000
	Acetone	5.0 U	10 U	25 U	25 U									6,300	63,000
	4-Isopropyltoluene (Cymene)	0.80 U	0.80 U	0.80 U	0.80 U									660	6,600
	Isopropylbenzene (Cumene)	0.67 U	0.67 U	0.67 U	0.67 U									0.8	8
	Chloroform	0.80 U	0.80 U	0.80 U	0.80 U									70	700
	2-Butanone (MEK)	4.5 U	4.5 U	4.5 U	4.5 U									*	*
	4-Methyl-2-pentanone (MIBK)	0.79 U	2.5 U	5.0 U	NA									*	*
	Bromodichloromethane	0.52 U	0.52 U	0.52 U	0.52 U									0.6	60
	Dibromochloromethane	0.44 U	0.50 U	0.50 U	0.50 U									0.4	40
	1,2,4-Trimethylbenzene	0.69 U	0.69 U	0.69 U	0.69 U									10	100
	1,3,5-Trimethylbenzene	0.58 U	0.58 U	0.58 U	0.58 U									10	100

1. Analysis of hydrocarbons at the site has demonstrated that the origin is non-petroleum. Therefore, TRPH results do not apply to this site.

2. Well Abandoned

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL). J4= Estimated Result

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758
Facility Address: 2501 West Orange Avenue, Apopka, Florida

Results= µg/L
NS= Not sampled
ND= Not detected

	Sample Location	MW-1R							MW-2R								62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	10.1-20.1							10.1-20.1									
	Date Sampled	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/07/24				
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs		0.0	0.0						0.0	0.0							
	Limonene	ND			ND	ND	ND		ND			ND	ND	ND				
	Ethanol	ND			ND	15 I J3	ND		ND			ND	11 I J3	ND				
	Isopropyl alcohol	ND			ND	6.3 I V	ND		ND			ND	5.9 I V	ND				
	Isobutyl alcohol	ND			ND	25 I	ND		ND			ND	170	ND				
	trans-1,4-Dichloro-2-butene	ND			ND	2.6	ND		ND			ND	ND	ND				
	Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	ND			ND	ND	ND		ND			ND	65 N	ND				
	Cyclohexane, 3-methyl-6-(1-methylethyl)-	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, endo-	ND			ND	ND	ND		ND			ND	12 N	ND				
	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-	ND			ND	6.8 N	ND		ND			ND	ND	14 N				
	1-Methyl-4-(1-methylethyl)-cyclohexane	ND			ND	ND	ND		ND			ND	18 N	ND				
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	ND			ND	100 N	18 N		N			ND	23 N	880 N				
	1-Methyl-4-(1-methylethyl)-cyc	30 N			ND	ND	ND		ND			17 N	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	330 N			ND	ND	ND		510 N			ND	ND	ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	8.4 N			ND	ND	ND		ND			ND	ND	ND				
	Tert-amyl methyl ether	ND			ND	ND	ND		ND			ND	ND	ND				
	Methyl methacrylate	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentane, methyl-	7.9 N			5.3 N	ND	ND		ND			63 N	ND	51 N				
	Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	ND			ND	ND	ND		ND			ND	ND	10 N				
	Furan, tetrahydro-2,2-dimethyl	13 N			6.3 N	ND	ND		ND			ND	ND	ND				
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-	ND			ND	11 N	11 N		ND			ND	ND	ND				
	Octane, 2, 6-dimethyl-	16 N			ND	ND	ND		ND			5.0 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-	ND			ND	ND	ND		650 N			170 N	ND	ND				
	7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methyleth	ND			ND	ND	ND		ND			ND	ND	370 N				
	Eucalyptol	ND			ND	ND	ND		600 N			140 N	ND	ND				
	L-Fenchone	ND			42 N	ND	ND		1300 N			270 N	ND	ND				
	Camphor	ND			ND	ND	ND		ND			92 N	ND	ND				
	Carbon Dioxide	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, decamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Cyclopentasiloxane, octamet…	ND			ND	ND	ND		ND			ND	ND	ND				
	Sulfur Dioxide	ND			ND	ND	23 N		ND			ND	ND	29 N				
	(1R)-2,6,6-trimethylbicyclo[3.1.1]hept-2-ene	ND			ND	ND	ND		ND			ND	ND	8.3 N				
	(+)-2-Bornanone	ND			ND	ND	ND		ND			ND	ND	300 N				
	Hexane	ND			ND	ND	ND		ND			35 N	10	ND				
	Nonane, 3-methyl-	ND			ND	ND	ND		ND			ND	ND	ND				

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-17										MW-5R					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7										9.7-19.7						
	Date Sampled	01/22/20	08/03/20	02/11/21	11/08/21	03/01/23	02/09/24					01/23/20	08/03/20	02/11/21	11/08/21	03/02/23		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0						0.0	0.0	0.0			
	Limonene					ND						ND				ND		
	Isopropyl alcohol					4.8 I V												
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						85 N				ND		
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND				ND		
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-					ND						ND				16 N		
	Cyclopentane, methyl-					ND						ND				ND		
	Furan, tetrahydro-2,2-dimethyl					ND						ND				ND		
	Isopropyl alcohol					ND						ND				3.9 I V		
	Tert-amyl methyl ether					0.98 I						ND				1.0 I		
	Methyl methacrylate					0.79 I						ND				ND		
	Octane, 2, 6-dimethyl-					ND						ND				ND		
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						17 N				ND		
	Eucalyptol					ND						ND				ND		
	L-Fenchone					ND						ND				ND		
	Carbon Dioxide					ND						ND				ND		
	Cyclopentasiloxane, decamet…					ND						ND				ND		
	Cyclopentasiloxane, octamet…					ND						ND				ND		
	Nonane, 3-methyl-					ND						ND				ND		

	Sample Location	MW-5R		MW-6R						MW-7R							62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7		9.7-19.7						9.7-19.7								
	Date Sampled	02/09/24		1/22-24/20	8/3-8/4/20	2/11-2/12/21	02/28/23	02/07/24		01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs			NS	NS	NS				0.0	0.0	0.0	0.0					
	Limonene	ND					ND	ND						ND	ND			
	1-Methyl-4-(1-methylethyl)-cyc	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (01)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1, (02)	ND					ND	ND						ND	ND			
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	29 N					ND	ND						ND	ND			
	Cyclopentane, methyl-	ND					ND	ND						ND	ND			
	Furan, tetrahydro-2,2-dimethyl	ND					ND	ND						ND	ND			
	Isopropyl alcohol	ND					3.8 I V	ND						4.2 I V	ND			
	Tert-amyl methyl ether	ND					0.94 I	ND						1.0 I	ND			
	Methyl methacrylate	ND					1.1 I	ND						ND	ND			
	Octane, 2, 6-dimethyl-	ND					ND	ND						ND	ND			
	7-Oxabicyclo[2.2.1]heptane, 1-	ND					ND	ND						ND	ND			
	Eucalyptol	ND					ND	ND						ND	ND			
	L-Fenchone	ND					ND	ND						ND	ND			
	Carbon Dioxide	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, decamet…	ND					ND	ND						ND	ND			
	Cyclopentasiloxane, octamet…	ND					ND	ND						ND	ND			
	Sulfur Dioxide	11 N					ND	17 N						ND	13 N			
	Nonane, 3-methyl-	ND					ND	ND						ND	ND			

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-8D-R			MW-9R						MW-10R			MW-12R			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	30.1-35.1			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/22/20	08/03/20	02/11/21	11/08/21	02/28/23	02/07/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	01/23/20	08/03/20	02/11/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS	0.0	0.0	0.0			0.0	NS	NS	NS	0.0	0.0	0.0		
	D-Limonene							ND	ND									
	Ethanol							ND	ND									
	Isobutyl alcohol							ND	ND									
	Isopropyl alcohol							ND	6.1 IV									
	(+)-2-Bornanone							ND	ND									
	1-Methyl-4-(1-methylethyl)-cyclohexane							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (01)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1, (02)							ND	ND									
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-							ND	ND									
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethylidene)-							ND	ND									
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-							ND	ND									
	Cyclopentane, methyl-							ND	ND									
	Furan, tetrahydro-2,2-dimethyl							ND	ND									
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-							ND	ND									
	Octane, 2, 6-dimethyl-							ND	ND									
	7-Oxabicyclo[2.2.1]heptane, 1-							ND	ND									
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-							ND	ND									
	Eucalyptol							ND	ND									
	L-Fenchone							43 N	ND									
	Camphor							ND	ND									
	Carbon Dioxide							ND	ND									
	Cyclopentasiloxane, decamet…							ND	ND									
	Cyclopentasiloxane, octamet…							ND	ND									
	Nonane, 3-methyl-							ND	ND									

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-12R			MW-13R						MW-14R			MW-15			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7			9.7-19.7						9.7-19.7			9.7-19.7				
	Date Sampled	11/08/21	03/02/23	02/08/24	01/24/20	08/04/20	02/12/21	11/09/21	03/01/23	02/08/24	1/22-24/20	8/3-8/4/20	2/11-2/12/21	1/22-24/2020	8/3-8/4/20	2/11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0				0.0					NS	NS	NS	NS	NS	NS		
	Limonene		ND	ND	ND		39 N	ND	ND	ND								
	Ethanol		3.9 I J3	ND	ND			ND	47 I J3	ND								
	Isopropyl alcohol		3.0 I V	ND	ND			ND	ND	ND								
	Isobutyl alcohol		ND	ND	ND			ND	40 I	ND								
	(+)-2-Bornanone		ND	ND	ND			ND	82 N	ND								
	Tert-amyl methyl ether		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyc		ND	ND	ND			ND	ND	ND								
	1-Methyl-4-(1-methylethyl)-cyclohexane		ND	ND	110 N			ND	50 N	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (01)		ND	ND	800 N			400 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1, (02)		ND	ND	470 N			91 N	ND	ND								
	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-		ND	ND	ND			ND	1300 N	1100 N								
	Bicyclo[2.2.1]heptan-2-one,1,7,7-trimethyl-(1S)-		ND	ND	ND			ND	ND	93 N								
	Bicyclo[2.2.1]heptane,2,2,3-trimethyl-		ND	ND	ND			ND	ND	12 N								
	Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-		ND	ND	ND			ND	32 N	ND								
	Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)-		ND	ND	ND			ND	ND	25 N								
	Cyclohexane,1-methyl-4-(1-methylethylidene)-		ND	ND	ND			45 N	ND	ND								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, trans-		ND	ND	ND			ND	100 N	99 N								
	Cyclohexane,1-methyl-4-(1-methylethyl)-, cis-		ND	ND	ND			ND	ND	180 N								
	Cyclopentane, methyl-		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl		ND	ND	ND			ND	ND	ND								
	Furan, tetrahydro-2,2-dimethyl-5-(1-methylpropyl)-		ND	ND	ND			ND	64 N	ND								
	Napthalene,decahydro-1,8a-dimethyl-7-(1-methylethyl)-,[1R		ND	ND	ND			ND	ND	11 N								
	Octane, 2, 6-dimethyl-		ND	ND	ND			ND	ND	21 N								
	7-Oxabicyclo[2.2.1]heptane, 1-		ND	ND	230 N			ND	ND	ND								
	7-Oxabicyclo[4.1.0]heptan-2-one, 4,4,6-trimethyl-		ND	ND	ND			ND	30 N	ND								
	7-Oxabicyclo[2.2.1]heptane,1-methyl-4-(1-methylethyl)-		ND	ND	ND			ND	ND	11 N								
	Eucalyptol		ND	ND	1100 N			320 N	260 N	ND								
	L-Fenchone		ND	ND	700 N			250 N	ND	ND								
	Camphor		ND	ND	ND			150 N	ND	ND								
	Carbon Dioxide		ND	ND	67 N			ND	ND	ND								
	Sulfur Dioxide		ND	7.0 N	ND			ND	ND	15 N								
	Cyclopentasiloxane, decamet…		ND	ND	250 N			ND	ND	ND								
	Cyclopentasiloxane, octamet…		ND	ND	430 N			ND	ND	ND								
	Nonane, 3-methyl-		ND	ND	32 N			ND	ND	ND								

TABLE 3: SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TICs

Facility Name: Coca-Cola, Special Products Division-Tank #306 **WCU Site ID:** ERIC_12758 Results= µg/L
Facility Address: 2501 West Orange Avenue, Apopka, Florida NS= Not sampled

	Sample Location	MW-16						MW-18						MW-19			62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7						9.7-19.7						9.7-19.7				
	Date Sampled	01/23/20	08/04/20	02/12/21	11/09/21	03/02/23	02/09/24	01/22/20	08/03/20	02/11/21	11/08/21	03/02/23	02/09/24	1/22-24/20	8/3-8/4/20	11-2/12/21		
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	NS	NS	NS		
	Limonene					ND						ND						
	2-Methyl-2-propanol					ND						ND						
	Ethanol					5.7 I J3						ND						
	Isopropyl alcohol					2.8 I V						4.9 I V						
	Tert-amyl methyl ether					ND						1.1 I						
	1-Methyl-4-(1-methylethyl)-cyc					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (01)					ND						ND						
	Bicyclo[2.2.1]heptan-2-one, 1, (02)					ND						ND						
	Cyclopentane, methyl-					ND						ND						
	Furan, tetrahydro-2,2-dimethyl					ND						ND						
	Octane, 2, 6-dimethyl-					ND						ND						
	7-Oxabicyclo[2.2.1]heptane, 1-					ND						ND						
	Eucalyptol					ND						ND						
	L-Fenchone					ND						ND						
	Carbon Dioxide					ND						ND						
	Cyclopentasiloxane, decamet…					ND						ND						
	Cyclopentasiloxane, octamet…					ND						ND						
	Nonane, 3-methyl-					ND						ND						

	Sample Location	MW-20					MW-21					MW-22					62-777, F.A.C. Groundwater Cleanup Target Level (GCTL)	62-777, F.A.C. Natural Attenuation Default Concentration (NADC)
	Screened Interval	9.7-19.7					9.7-19.7					9.7-19.7						
	Date Sampled	1/22-24/20	8/3-8/4/20	2/11-2/12/21			1/22-24/20	8/3-8/4/20	2/11-2/12/21			05/20/21	11/08/21	03/01/23	02/07/24			
EPA Method 8260 TENTATIVELY IDENTIFIED COMPOUNDS	TICs	NS	NS	NS			NS	NS	NS			0.0	0.0		0.0			
	Limonene													ND				
	2-Methyl-2-propanol													100				
	1-Methyl-4-(1-methylethyl)-cyc													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (01)													ND				
	Bicyclo[2.2.1]heptan-2-one, 1, (02)													ND				
	Cyclopentane, methyl-													ND				
	Furan, tetrahydro-2,2-dimethyl													ND				
	Octane, 2, 6-dimethyl-													ND				
	7-Oxabicyclo[2.2.1]heptane, 1-													ND				
	Eucalyptol													ND				
	L-Fenchone													ND				
	Carbon Dioxide													ND				
	Cyclopentasiloxane, decamet…													ND				
	Cyclopentasiloxane, octamet…													ND				
	Nonane, 3-methyl-													ND				

I= The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).

U= Compound was analyzed for but not detected.

N= Presumptive evidence of presence of material.

* - No standard.

50 Shaded bold result denotes concentration exceeding a GCTL

100 Shaded bold result denotes concentration exceeding a NAMDSC.

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FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

03/06/2023
Mark Lasalle, Sr Mgr Eng
Coca-Cola North America
2659 Orange Ave
Apopka, FL 32703-3346

The Florida Department of Environmental Protection has reviewed your submittal for a hazardous waste DEP/EPA Identification Number or status/information change.

Based on the information received, you have been issued the following number or reports for **Coca-Cola North America** located at **2659 Orange Ave, Apopka, FL 32703-3346**

DEP/EPA Identification Number: **FLD053393039**

Your facility status is the following: **Large Quantity Generator (LQG).**

Florida Administrative Code 62-730 requires all persons who generate, transport, recycle, store, or dispose of hazardous waste to notify the department of their hazardous waste activities. You are required to renotify on form 8700-12FL when there are changes in your operations which would affect your status, activity or contact information. Additional hazardous waste information including the 8700-12FL form can be found at:
https://floridadep.gov/waste/permitting-compliance-assistance/content/hazardous-waste-management-main-page.

Please note that pending program registrations, certifications, or permits will be sent to you separately. **To review the details of your status**, visit:
https://fldeploc.dep.state.fl.us/www_RCRA/Reports/handler_results.asp?epaid=FLD053393039.

For further assistance, please contact me at (850) 245-8707 or email me at Jeff.Gregg@dep.state.fl.us.

Sincerely,

Jeff Gregg
Environmental Manager
Waste Compliance Assistance Program

ME ID: 60284, Email Address: malasalle@coca-cola.com

8700-12FL - FLORIDA NOTIFICATION OF REGULATED WASTE ACTIVITY

DEP Waste Management Division–HWRS, MS4560
2600 Blair Stone Rd. Tallahassee, FL 32399-2400
(850) 245-8707

Date Received
(for FDEP Official Use Only)

DIVISION OF WASTE MGMT
'29 MAR 9 AM10:43:30

EPA ID: FLD053393039

Please use the instructions document to complete this form
* mandatory fields

1. Reason for Submittal: (all submitters must complete pages 1 and 2 and sign page 7. Pages 3 through 6 - complete as applicable)

Mark 'X' in the correct box*: (must choose one if a notification)

- ☐ To obtain a new EPA ID number (for hazardous waste, universal waste, used oil activities, or PCW activities).
- ☒ To provide updated information for an EPA ID number (to update status and facility identification information).
- ☐ To provide the final information for an EPA ID number (closing). (see instructions—must complete pages 1, 2, 3, 7)
- ☐ To obtain new or updating an EPA ID number for conducting Electronic Manifest Broker activities.
- ☐ Submitting new or revised notification for Part A for permitted facilities.

FL Registration(s) ☐ UW Mercury (see page 4) ☐ HW Transporter (see page 5) ☐ Used Oil (see page 6)

2. Facility or Business Name:*

Coca-Cola North America

3. Facility Physical Location Information: (No P.O. Boxes)

Physical Street Address*: 2659 West Orange Avenue ☐ Vessel

City or Town:	State:	Zip Code:
Apopka	FL	32703

County*:	Country (if not USA)*:
Orange	

4. Facility or Business Mailing Address:

☒ Same address as # 3 above or*:

City or Town*:	State*:	Zip/Postal Code*:	Country (if not USA):

5. Facility North American Industry Classification System (NAICS) Code(s)*: (at least 5 digits)

A. 311411 (required)	B.
C.	D.

6. Facility or Business RCRA Contact Person: ☒ Same address as # 3 above or:

First Name*:	Last Name*:	Title*:
Mark	Lasalle	Senior Manager Engineering
Phone Number*:	**Extension*:**	**Fax*:**
407-417-7704		

E-Mail*: malasalle@coca-cola.com

Street or P.O. Box (or same address box is checked)*:

City or Town*:	State*:	Zip Code*:	Country (if not USA):

RCRA Hazardous Waste Status Notification or Out of Business Notification	EPA ID No.* FLD053393039

7. Real Property (FL Land) Owner of the Facility's Physical Location (List additional owners in the comments section.)

Name of Owner*: Coca-Cola North America		Date became Owner*: 06 / 19 / 07 ☐ New Owner mm dd yy	
Street or P.O. Box (or same address box is checked)*: 2659 West Orange Avenue		Phone Number*: 407-417-7704	
City or Town*: Apopka	State*: FL	Zip Code*: 32703	Country (if not USA):
E-Mail*: malasalle@coca-cola.com			
Owner Type*: ☒ Private ☐ Federal ☐ Municipal ☐ State ☐ County ☐ Other_____			
Comments:			

8. Facility Operator (List additional Operators in the comments section). Same address as #_3_ above or:

Name of Operator*: Coca-Cola North America		Date became Operator*: ___/___/___ ☐ New Operator mm dd yy	
Street or P.O. Box (or same address box is checked)*:		Phone Number*: 407-417-7704	
City or Town*:	State*:	Zip Code*:	Country (if not USA):
E-Mail*: malasalle@coca-cola.com			
Operator Type*: ☒ Private ☐ Federal ☐ Municipal ☐ State ☐ County ☐ Other_____			
Comments:			

9. RCRA Hazardous Waste Activities at this Facility: (Mark 'X' in all that apply):

(1) Generator of Hazardous Waste

☒ Yes ☐ No (This does not include Universal Waste or Used Oil)

If YES, Choose only one of the following three categories.

☒ **a. Large Quantity Generator (LQG):**
- Generates in any calendar month (includes quantities imported by importer site) 1,000 kilograms or greater per month (kg/mo) (2,200 lbs/mo.) of non-acute hazardous waste; or
- Generates in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs/mo) of acute hazardous waste; or
- Generates in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.

☐ **b. Small Quantity Generator (SQG):**
- Generates in any calendar month greater than 100kg/mo but less than 1,000 kg/mo (>220 to <2,200 lbs.) of non-acute hazardous waste and/or 1 kg (2.2 lbs) or less of acute hazardous waste and/or no more than 100 kg (220 lbs) of any acute hazardous spill cleanup material.

☐ **c. Very Small Quantity Generator (VSQG):**
- Generates in any calendar month 100 kg/mo or less (220 lbs.) of non-acute hazardous waste and/or 1 kg (2.2 lbs) or less of acute hazardous waste.

In addition, indicate other generator activities that apply.

☐ d. Short-Term Generator (one-time, not on-going)
☐ e. Mixed Waste (hazardous and radioactive) Generator
☐ f. United States Importer of hazardous waste
☐ g. LQG notifying of VSQG Hazardous Waste Under Control of the Same Person pursuant to 40 CFR 262.17(f). **(Addendum A Required)**
☐ h. Episodic: Not lasting more than 60 days: ☐ SQG ○ LQG **(Addendum B Required)**
☐ i. Electronic Manifest Broker, as defined in 40 CFR 260.10, electing to use EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator.

9. RCRA Hazardous Waste Activities at this Facility continued: (Mark 'X' in all that apply):

For Items 3 through 9, mark 'X' in all that apply.

(2) **Treater, Storer, or Disposer of Hazardous Waste** (at your facility—Choose Only One) Note: A hazardous waste permit may be required for this activity.

- ☐ a. Operating Commercial TSD
- ☐ b. Operating Non-Commercial TSD
- ☐ c. Non-Operating: Postclosure or Corrective Action Permit or Order (HSWA, etc.)

(3) ☐ **Recycler of Hazardous Waste** (at your facility)

Specify: ☐ Commercial ☐ Non-Commercial

Specify: ☐ Stores prior to recycling ☐ Does not store prior to recycling.
Note: A permit maybe required for storage prior to recycling.

(4) ☐ **Exempt Boiler and/or Industrial Furnace**

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

(5) ☐ **Person Authorized to Manage Very Small Quantity Waste Generated at Other Facilities**
Choose this management activity ONLY if you attach
EITHER a copy of your application for such authorization OR the authorization you received from FDEP.

(6) ☐ **Receives Hazardous Waste from Off-Site**

(7) ☐ **Underground Injection Control**

(8) ☐ **Recognized Trader**— Mark all that apply

- ☐ a. Importer
- ☐ b. Exporter

(9) ☐ **Importer/ Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR subpart G**— Mark all that apply

- ☐ a. Importer
- ☐ b. Exporter

10. Waste Codes for Federally Regulated Hazardous Wastes*: List the waste codes of the Federal hazardous wastes handled at your facility. List them in the order they are presented in the regulations (e.g., D001, D003, F007, K019, P012, U112).

Hazardous waste transporters must list codes routinely or usually transported. Use comments or an additional page if more spaces are needed.

1	2	3	4	5	6	7
D001	D009	D035	F005			
8	9	10	11	12	13	14
15	16	17	18	19	20	21

11. Other Status Changes (If no longer handling waste or closed, items 9 and 10 should be left blank and items 12-16 skipped):

(A) Central Accumulation Area (CAA) or Facility Closed:

- ☐ Central Accumulation Area (CAA)
- ☐ Facility Closed (Complete this section only if all business activities at this facility have ceased.)

(B) Closure Dates:

- ☐ (1) Expected closure date _____ (date in mm/dd/yyyy)
- ☐ (2) Requesting new closure date _____ (date in mm/dd/yyyy)
- ☐ (3) Date of closure: _____ (date in mm/dd/yyyy)
  - ☐ a. In compliance with the closure performance standards in 40 CFR 262.17(a)(8)
  - ☐ b. Not in compliance with the closure performance standards in 40 CFR 262.17(a)(8)

(C) Property Tax Default ☐ **(D) Petition for Bankruptcy Protection** ☐

Universal Waste Notification and Mercury Transporter/Handler Registration	EPA ID No.* FLD053393039

12. Universal Waste (UW) Activities (Mark 'X' and complete all that apply) :

A. Federal Notification

☐ **Federally Defined Large Quantity Handler (LQH) = Generate/Accumulate: 5,000 kg (11,000 lb) or more of any combination of UW accumulated (at any one time)**

Accumulates: ☐ **a. UW Batteries** ☐ **b. Pesticides** ☐ **c. Pharmaceuticals**

☐ **d. Mercury Containing Devices** ☐ **e. Mercury Containing Lamps**

☐ **Destination Facility for UW** Note: For this activity, a facility must treat, dispose, or recycle a UW. A permit is required for storage prior to recycling.

B. Florida Universal Pharmaceutical Waste (UPW): one-time notification

☐ Pharmaceuticals **LQH** = 5,000 kg or more of Universal Pharmaceutical Waste (UPW) accumulated (at any one time)

☐ Pharmaceuticals **Acute LQH** = more than 1 kg (2.2 lb) of acutely hazardous ("P-listed") pharmaceutical waste (UPW) accumulated (at any one time)

☐ **Reverse Distributor** of Universal Pharmaceutical Waste (UPW) (must be permitted with the Florida Department of Business and Professional Regulation [DBPR])

☐ Florida Universal Pharmaceutical Waste (**UPW**) Transporter

C. Florida Annual Mercury Handler Registration:

For-hire transporters, transfer facilities, handlers, reclamation and recovery facilities of Mercury-Containing Lamps and Devices operating in the State of Florida are required to register annually with the Department using this section of the form [Chapter 62-737, F.A.C.]. A one-time fee of $1,000 is required for first time registration as a Large Quantity for-hire Handler of Mercury-Containing Lamps and Devices as detailed in 62-737.400(3)(a)3.,F.A.C. (please contact FDEP first).

If you only generate lamps and/or devices or manage pharmaceuticals, do not register or complete the information below.

(1) This form is being submitted as a Florida Registration of Universal Waste Mercury Transporter/Handler for-hire Activities

☐ 1st Annual Registration ☐ Annual Renewal ☐ One-time $1,000 fee for Mercury for-hire first time LQH registration is attached

☐ For-hire **Transporter** of Universal Waste Mercury-Containing Lamps or Devices ☐ For-hire **Transfer Facility** of Universal Waste Mercury-Containing Lamps or Devices ☐ Mercury-Containing Devices (thermostats, etc.) **SQH** = less than 100 kg accumulated by for-hire handler ☐ Mercury-Containing Lamps **SQH** = less than 2,000 kg (8,000 lamps) accumulated by for-hire handler	Annual Registration Required
☐ Mercury-Containing Devices **LQH** = 100 kg (220 lb) or more accumulated at any one time by for-hire handler ☐ Mercury-Containing Lamps **LQH** = 2,000 kg (4400 lbs/8,000 lamps) or more accumulated by for-hire handler	Annual Registration + one- time $1,000 fee+ More Requirements (contact FDEP)
(2) Mercury Recovery and/or Reclamation Facility (A hazardous waste permit is required for this activity) ☐ 1st Annual Registration ☐ Annual Renewal	Annual Registration Required

Briefly Describe your Universal Waste Activities: ☐ We use Drum Top Bulb Crusher(s).

13. Other State Regulated Waste Activities: **Petroleum Contact Water (PCW)** ☐ **Recovery** ☐ **Transport** [62-740 F.A.C.]

Note: A water facility permit may be required for this activity. An annual report is required for a recovery facility pursuant to Rule [62-740.300(5)] F.A.C.

Hazardous Waste Transporter and Academic Laboratories	EPA ID No.* FLD053393039

14. HW Transporter Activities: (Mark 'X' and complete all that apply if you need to register your HW Transporter activities)

Transporters of and Transfer Facilities for Hazardous Waste in the State of Florida are required to register and annually renew their registration. Evidence of casualty/liability insurance pursuant to 62-730.170(2)(a) is required as part of this registration. Transporters and transfer facilities may only begin operations after receiving approval from the Department.

Generators who transport waste only within the boundaries of their facility should NOT register in box 14.A below.

A. HW Transporter Registration Information (must be completed annually and when this information changes)

This form is: ☐ **Initial Registration** ☐ **Renewal** ☐ **Notification of changes** ☐ **Cancel Registration**

☐ 1. For own waste only

☐ 2. For commercial purposes

☐ 3. Both commercial and own waste

4. **Transportation Mode** ☐ Air ☐ Rail ☐ Highway ☐ Water ☐ Other - specify _____

B. HW Transfer Facility Registration Information (must be completed annually and when this information changes)

☐ **This facility is a Hazardous Waste Transfer Facility:** (as listed in Item 3) Storage Volume _____

This form is: ☐ **Initial Registration** ☐ **Renewal** ☐ **Notification of changes** ☐ **Cancel Registration**

Note: Hazardous Waste transfer facilities must comply with the requirements of Rule 62-730.171, F.A.C., and Rule 62-730.182, F.A.C.

The Transfer Facility records required under the provisions of Rule 62-730.171(6) , F.A.C., are kept at (check one):
☐ Our mailing (business) address ☐ The site (facility) address

Please enter the EPA ID Number of the HW Transporter who carries the insurance for this Transfer Facility:

Please see 14.C for additional items to be submitted for registration of a Hazardous Waste Transfer Facility [Rule 62-730.171(3), Florida Administrative Code (F.A.C.)]:

C. The following items are required to be submitted with the initial notification for a **transfer facility** and any changed items must be submitted with any subsequent submission [Rule 62-730.171(3), Florida Administrative Code (F.A.C.)] :

__Certification by a responsible corporate officer of the transporter facility that the proposed location satisfies the criteria of Section 403.7211(2), Florida Statutes (F.S.) [Rule 62-730.171(3)(a)1., F.A.C.]

__Evidence of the transporter facility's financial responsibility [Rule 62-730.171(3)(a)3., F.A.C.]

__A brief general description of the transfer facility operations [Rule 62-730.171(3)(a)4., F.A.C.]

__A copy of the facility closure plan [Rule 62-730.171(3)(a)5., F.A.C.]

__A copy of the contingency and emergency plan [Rule 62-730.171(3)(a)6., F.A.C.]

__A map or maps of the transfer facility [Rule 62-730.171(3)(a)7., F.A.C.]

15. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

☐ **1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories**

See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

☐ a. College or University
☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

☐ **2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories**

Used Oil and Hazardous Secondary Material	EPA ID No.* FLD053393039

16. Used Oil and Used Oil Filter Activities: (Mark 'X' and complete all that apply)

Transporters (exemptions in 40 CFR 279.40(a)(1-4)), transfer facilities, processors, off-specification burners, and/or marketers must annually register with the Department using this form. An annual $100 registration fee is required for all, except used oil (UO) Processors and collection centers.

This form is: ☐ **Initial Registration** ☐ **Renewal** ☐ **Notification of changes** ☐ **Cancel Registration**

☐ If applicable, a check or money order, in the amount of $100, payable to Florida Department of Environmental Protection is enclosed. UO Collection Centers must check 16.(2) of this form (not as a registration).

(1) Used Oil Transporter - mark 'X' in all that apply: (occurring in Florida)

☐ a. Transporter (off-site) and noncontiguous locations

☐ b. Transfer Facility

(2) ☐ Collection Center (From businesses, no more than 55 gal per shipment)

(3) ☐ Used Oil Processor **(A permit is required.)**

(4) ☐ Used Oil Re-refiner **(A permit is required.)**

(5) ☐ Off-Specification Used Oil Burner
☐ Utility Boiler ☐ Industrial Boiler ☐ Industrial Furnace

(6) Used Oil Fuel Marketer ☐ On-Spec ☐ Off-Spec

(7) Used Oil Filter Management (must annually register)

☐ a. Transporter
☐ b. Transfer Facility
☐ c. Processor (Annual Report Required)
☐ d. End User (see instructions for definition)

(8) The records required under the provisions of Rule 62-710.510, FAC, are kept at (check one):

☐ Our mailing (business) address (as listed in Item 4)
☐ The site (facility) address (as listed in Item 3)

(9) Used Oil Transporters: (Exemptions in 40 CFR 279.40(a)(1-4))

- ALL registered UO transporters must submit an annual report except generators transporting UO from noncontiguous operations within their own company.
- UO transporters transporting off-site over public highways only within their own company must submit proof of insurance.
- UO transporters transporting more than 500 gallons/year must submit proof of insurance annually, and must sign and certify this submission as a certified used oil transporter in section 19 (except those exempted by Rule 62-710.600(1), F.A.C.).

☐ The used oil annual report is attached ☐ Evidence of Liability Insurance pursuant to 62-710.600(2)(e)., F.A.C. is attached.

17. Notification of Hazardous Secondary Material (HSM) Activity

(1) ☐ Notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), or (27). **(Addendum C Required)**

(2) ☐ Notifying under 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or intermediate but that the recycling is still legitimate. **(Addendum C Required)**

Required signature page	EPA ID No.* FLD053393039

18. Comments (attach a page if more space is needed):

19. Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

☐ **I certify as a Used Oil Transporter** that I am familiar with the applicable Florida and Federal laws and rules governing used oil transportation and have an annual and new employee training program in place covering the applicable used oil rules. Evidence of financial responsibility is demonstrated by the Used Oil Transporter Certificate of Liability Insurance, DEP form 62-730.900(5)(a), F.A.C..

Signature of owner, operator, or an authorized representative:	Date Signed (mm-dd-yyyy):
Mark Lasalle	3/2/23
Print Name (First, Middle Initial, Last): Mark Lasalle	**Title:** Senior Manager of Engineering Plant
Organization: Coac-Cola North America	**Used Oil** ☐
Email: malasalle@coca-cola.com	
Signature of owner, operator, or an authorized representative:	**Date Signed (mm-dd-yyyy):**
Print Name (First, Middle Initial, Last):	**Title:**
Organization:	**Used Oil** ☐
Email:	

If the person that filled in this form is not the Facility Contact or Operator, please complete the information below:

James Ashby	941-350-1979	jashby@mailmt.com
(Name of person completing this form)	(Phone Number)	(E-mail Address)

Addendum A: LQG Consolidation of VSQG Hazardous Waste	EPA ID No.* FLD053393039

Only fill out this form if:

- You are the LQG receiving hazardous waste from VSQGs under the control of the same person. Use additional pages if more space is needed.

VSQG 1	☐ New	☐ Update	☐ Delete
A. EPA ID Number (if assigned)		B. Facility Name	
C. Facility Street Address			
D. City		E. State	F. Zip Code
G. Contact Phone Number		H. Contact Name	
I. Contact Email			

VSQG 2	☐ New	☐ Update	☐ Delete
A. EPA ID Number (if assigned)		B. Facility Name	
C. Facility Street Address			
D. City		E. State	F. Zip Code
G. Contact Phone Number		H. Contact Name	
I. Contact Email			

VSQG 3	☐ New	☐ Update	☐ Delete
A. EPA ID Number (if assigned)		B. Facility Name	
C. Facility Street Address			
D. City		E. State	F. Zip Code
G. Contact Phone Number		H. Contact Name	
I. Contact Email			

Addendum B: Episodic Generator	EPA ID No.* FLD053393039

Only fill out this form if:

- You are an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves the generator to a higher generator category. Note: Only one planned and one unplanned episodic event are allowed within one year; otherwise, you must follow the requirements of the higher generator category. Use additional pages if needed.

Episodic Event

A. Planned	B. Unplanned
☐ Excess chemical inventory removal	☐ Accidental spills
☐ Tank Cleanouts	☐ Production process upsets
☐ Short-term construction or demolition	☐ Product recalls
☐ Equipment maintenance during plant shutdowns	☐ "Acts of nature" (Tornado, Hurricane, Flood, etc.)
☐ Other _____	☐ Other _____
C. Emergency Contact Phone	D. Emergency Contact Name
E. Beginning Date _____ (mm/dd/yyyy)	F. End Date _____ (mm/dd/yyyy)

Waste 1

G. Waste Description	H. Estimated Quantity (in pounds)

I. Federal Hazardous Waste Codes

Waste 2

G. Waste Description	H. Estimated Quantity (in pounds)

I. Federal Hazardous Waste Codes

Waste 3

G. Waste Description	H. Estimated Quantity (in pounds)

I. Federal Hazardous Waste Codes

Addendum C: Notification of Hazardous Secondary Material Activity	EPA ID No.* FLD053393039

Only fill out this form if:

- You are or will be managing excluded hazardous secondary material (HSM) in compliance with 40 CFR 260.30, 261.4(a)(23), (24), or (27) or have stopped managing excluded HSM in compliance with the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: if your facility was granted a solid waste variance under 40 CFR 260.3 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulation and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

You must submit a completed 8700-12FL, including this Addendum, prior to operating under the exclusion(s) and by every **March 1 of each even-numbered year** to the department pursuant to 40 CFR 260.42. If you stop managing hazardous secondary material in accordance with the exclusions(s) and do not expect to manage any amount of hazardous secondary material under the exclusions(s) for at least one year, you must again submit a completed 8700-12FL, including this Addendum, within thirty (30) days pursuant to 40 CFR 260.42.

1. Indicate reason for notification. Include dates where requested.

☐ Notifying that the facility will manage hazardous secondary material as of (mm/dd/yyyy) _____.

☐ Re-notifying that the facility is still managing hazardous secondary material.

☐ Notifying that the facility has stopped managing hazardous secondary material as of (mm/dd/yyyy) _____.

2. Description of hazardous secondary material (HSM) activity. Please list the appropriate codes and quantities in **short tons** to describe your hazardous secondary material activity ONLY (do not include any information regarding your other hazardous wastes in this section). Use additional pages if more space is needed.

a. **Facility Code** (answer using codes listed in the Code List section of the instructions)	b. **Waste code(s) for hazardous secondary material (HSM)**	c. **Estimated short tons of HSM to be managed annually**	d. **Actual short tons of HSM that was managed during the most recent odd-numbered year**	e. **Land-based unit code** (answer using codes listed in the Code List section of the instructions)

3. Facility has financial assurance pursuant to 40 CFR 261 Subpart H. (Financial assurance is required for reclaimers and intermediate facilities managing hazardous secondary material under 40 CFR 261.4(a)(24) and (25))

Y☐ N☐ Does this facility have financial assurance pursuant to 40 CFR 261 Subpart H?

4. Notifying under 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous waste constituents.

Y☐ N☐ Does the product of your recycling process has levels of hazardous waste constituents. **(Comment Required)**

Comments:

INTENTIONALLY LEFT BLANK

FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

10/18/2024
Mark Lasalle, Sr Mgr Eng
Coca-Cola North America
2659 Orange Ave
Apopka, FL 32703-3346

The Florida Department of Environmental Protection has reviewed your submittal for a hazardous waste DEP/EPA Identification Number or status/information change.

Based on the information received, you have been issued the following number for reports for Coca-Cola North America located at **2659 W Orange Ave, Apopka, FL 32703-3346**

DEP/EPA Identification Number: **FLD053393039**

Your facility status is the following: **Very Small Quantity Generator (VSQG)**.

Florida Administrative Code 62-730 requires all persons who generate, transport, recycle, store, or dispose of hazardous waste to notify the department of their hazardous waste activities. You are required to renotify on form 8700-12FL when there are changes in your operations which would affect your status, activity or contact information. Additional hazardous waste information including the 8700-12FL form can be found at: https://floridadep.gov/waste/permitting-compliance-assistance/content/hazardous-waste-management-main-page .

Please note that pending program registrations, certifications, or permits will be sent to you separately.**To review the details of your status**, visit: https://fldeploc.dep.state.fl.us/www_RCRA/Reports/handler_results.asp?epaid=FLD053393039 .

For further assistance, please contact me at (850) 245-8707 or email me at Jeff.Gregg@dep.state.fl.us

Sincerely,

Jeff Gregg
Environmental Manager
Waste Compliance Assistance Program

ME ID: 60284, Email Address: malasalle@coca-cola.com

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (Select only one.)

☐	Obtaining or updating an EPA ID number for on-going regulated activities (Items 10-17 below) that will continue for a period of time.
☒	Submitting as a component of the Hazardous Waste Report for 2023 (Reporting Year)
	☐ Site was a TSD facility, a reverse distributor, and/or generator of ≥ 1,000 kg of non-acute hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in **one or more months of the reporting year** (or State equivalent LQG regulations)
☐	Notifying that regulated activity is no longer occurring at this Site
☐	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
☐	Submitting a new or revised Part A (permit) Form

2. Site EPA ID Number

F	L	D	0	5	3	3	9	3	0	3	9

3. Site Name

Coca-Cola North America

4. Site Location Address

Street Address: 2659 West Orange Avenue		
City, Town, or Village: Apopka		County: Orange
State: Florida	Country: USA	Zip Code: 32703
Latitude: 28°41'25"N	Longitude: 81°33'15"W	☐ Use Lat/Long as Primary Address

5. Site Mailing Address ☒ Same as Location Street Address

Street Address		
City, Town, or Village		
State	Country	Zip Code

6. Site Land Type

☒ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary) 311411	C.
B.	D.

8. Site Contact Information

[X] Same as Location Address

First Name Mark	MI	Last Name Lasalle
Title Senior Manger Engineering		
Street Address		
City, Town, or Village		
State	Country	Zip Code
Email malasalle@coca-cola.com		
Phone 407-417-7704	Ext	Fax

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

[X] Same as Location Address

Full Name Coca-Cola North America		Date Became Owner (mm/dd/yyyy)
Owner Type [X] Private [ ] County [ ] District [ ] Federal [ ] Tribal [ ] Municipal [ ] State [ ] Other		
Street Address		
City, Town, or Village		
State	Country	Zip Code
Email malasalle@coca-cola.com		
Phone 407-417-7704	Ext	Fax
Comments		

B. Name of Site's Legal Operator

[X] Same as Location Address

Full Name Coca-Cola North America		Date Became Operator (mm/dd/yyyy)
Operator Type [X] Private [ ] County [ ] District [ ] Federal [ ] Tribal [ ] Municipal [ ] State [ ] Other		
Street Address		
City, Town, or Village		
State	Country	Zip Code
Email malasalle@coca-cola.com		
Phone 407-417-7704	Ext	Fax
Comments		

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

[X] Y [ ] N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c	
[ ]	a. LQG	-Generates, in any calendar month, 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste (includes quantities imported by importer site); or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
[ ]	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
[X]	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
[ ] Y [ ] N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section. *Note: If "Yes", you MUST indicate that you are a Generator of Hazardous Waste in Item 10.A.1 above.*	
[ ] Y [ ] N	3. Treater, Storer or Disposer of Hazardous Waste—Note: Part B of a hazardous waste permit is required for these activities.	
[ ] Y [ ] N	4. Receives Hazardous Waste from Off-site	
[ ] Y [ ] N	5 Recycler of Hazardous Waste	
[ ]	a. Recycler who stores prior to recycling	
[ ]	b. Recycler who does not store prior to recycling	
[ ] Y [ ] N	6. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.	
[ ]	a. Small Quantity On-site Burner Exemption	
[ ]	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D009	D035	F005			

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

☐ Y ☐ N	1. Transporter of Hazardous Waste—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☐ N	2. Underground Injection Control
☐ Y ☐ N	3. United States Importer of Hazardous Waste
☐ Y ☐ N	4. Recognized Trader—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter
☐ Y ☐ N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter

B. Universal Waste Activities

☐ Y ☐ N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply. Note: Refer to your State regulations to determine what is regulated.
☐	a. Batteries
☐	b. Pesticides
☐	c. Mercury containing equipment
☐	d. Lamps
☐	e. Aerosol Cans
☐	f. Other (specify) _____
☐	g. Other (specify) _____
☐ Y ☐ N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

☐ Y ☐ N	1. Used Oil Transporter—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☐ N	2. Used Oil Processor and/or Re-refiner—If "Yes", mark all that apply.
☐	a. Processor
☐	b. Re-refiner
☐ Y ☐ N	3. Off-Specification Used Oil Burner
☐ Y ☐ N	4. Used Oil Fuel Marketer—If "Yes", mark all that apply.
☐	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐	b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Pharmaceutical Activities

☐Y ☐N	1. Operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals—if "Yes", mark only one. Note: See the item-by-item instructions for definitions of healthcare facility and reverse distributor.
☐	a. Healthcare Facility
☐	b. Reverse Distributor
☐Y ☐N	2. Withdrawing from operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals. Note: You may only withdraw if you are a healthcare facility that is a VSQG for all of your hazardous waste, including hazardous waste pharmaceuticals.

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262, Subpart K.

☐Y ☐N	A. Opting into or currently operating under 40 CFR Part 262, Subpart K for the management of hazardous wastes in laboratories— If "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
☐	1. College or University
☐	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
☐	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or university
☐Y ☐N	B. Withdrawing from 40 CFR Part 262, Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

☐Y ☐N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If "Yes", you must fill out the Addendum for Episodic Generator.

14. LQG Consolidation of VSQG Hazardous Waste

☐Y ☐N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQG hazardous waste.

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

☐Y ☐N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
	A. ☐Central Accumulation Area (CAA) or ☐Entire Facility
	B. Expected closure date: _____ mm/dd/yyyy
	C. Requesting new closure date: _____ mm/dd/yyyy
	D. Date closed : _____ mm/dd/yyyy ☐ 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) ☐ 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)

16. Notification of Hazardous Secondary Material (HSM) Activity

☐ Y ☐ N	Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), (25), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.

17. Electronic Manifest Broker

☐ Y ☐ N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

18. Comments (include item number for each comment)

19. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11).**

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy) 2/7/2024
Printed Name (First, Middle Initial Last) Mark Lasalle	Title Senior Manager Engineering
Email malasalle@coca-cola.com	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy) 2/7/24
Printed Name (First, Middle Initial Last) Mark LaSalle	Title Director, Operators
Email MaLaSalle@coca-cola.com	

EPA ID Number | F | L | D | 0 | 5 | 3 | 3 | 9 | 3 | 0 | 3 | 9 |

OMB# 2050-0024; Expires 04/30/2024

United States Environmental Protection Agency

HAZARDOUS WASTE REPORT 2023 (reporting cycle)

WASTE GENERATION AND MANAGEMENT (GM) FORM

DIVISION OF WASTE MANA
'24 FEB 15 AM 10:19:17

1. **Waste Characteristics**

A. Waste Description	Flammable Flavor Oils					
B. EPA Hazardous Waste Code(s)	D001					
C. State Hazardous Waste Code(s)						
D. Source Code G11	Management Method (G25)			Country Code (G62)		
E. Form Code W219	F. Waste Minimization Code X			G. Radioactive Mixed ☐ Y ☒ N		
H. Quantity 8,100	UOM 5	Density 7.0		☒ lbs/gal ☐ sg		

2. **On-site Generation and Management of Hazardous Waste**

☐ Y ☐ N	Was any of this waste that was generated at this facility treated, disposed, and/or recycled on-site? If yes, continue to On-site Process System 1.	
Process System 1	Management Method Code	Quantity
Process System 2	Management Method Code	Quantity

3. **Off-site Shipment of Hazardous Waste**

☒ Y ☐ N	A. Was any of this waste that was generated at this facility shipped off-site for treatment, disposal, or recycling? If yes, continue to Site 1.	
Site 1	Giant Resource Recovery- Attalla, Inc.	
B. EPA ID of facility to which waste was shipped	C. Management Method Code	D. Total Quantity Shipped
ALD070513767	H061, H141	8,100 Gallons
Site 2		
B. EPA ID of facility to which waste was shipped	C. Management Method Code	D. Total Quantity Shipped
Site 3		
B. EPA ID of facility to which waste was shipped	C. Management Method Code	D. Total Quantity Shipped

4. ***Comments***

Flammable Flavor Oils

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

The BRS Data Entry Program

DIVISION OF WASTE MANA
'24 FEB 15 AM10:19:01

Biennial Report Information

The Resource Conservation and Recovery Act (RCRA) requires the EPA to develop a program for hazardous waste generators to report the nature, quantities, and disposition of hazardous waste generated at least once every two years. In addition, RCRA requires treatment, storage, and disposal facilities (TSDFs) to submit a report on the wastes that they received from off-site. The Biennial Hazardous Waste Report, also known as the "Biennial Report", was implemented in 1985 to comply with these requirements.
The reports are **due by March 1st of every even-numbered year** for the activities that occurred in the previous odd-numbered year. The **2021 Biennial Report cycle has now closed.** Late submissions must be mailed to:
Biennial Report Coordinator
Hazardous Waste Program MS 4560
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Who Must File

Each of the following activities requires the filing of a Biennial Report in Florida. Non-Florida facilities will need to contact their appropriate state agency

1. Your facility was a RCRA **Large Quantity Generator** for any one calendar month of the odd-numbered reporting year.
   - Generated in a single month more than 1000kg/2200 pounds of non-acute hazardous waste.
   - Generated in a single month more than 1kg/ 2.2 pounds of acute hazardous waste.
2. You are a **Treatment, Storage, or Disposal Facility** that received RCRA hazardous waste from off-site generators or your facility managed RCRA hazardous was on-site during the reporting year.
3. Your facility is a **Recycler** of RCRA hazardous waste who:
   - Does not store recyclable materials before recycling them.
   - Before recycling, stores recyclable materials for up to 72 hours after arrival at the facility.

APPENDIX J

OCEPD REGULATORY FILE DOCUMENTS -- SITE

- File Search Results

EPD RECORD REQUEST RESPONSE FORM

Date
4/22/2025

Parcel Number
06-21-28-7172-02-011

Date Response Provided

Requestor/Name/Company
Jim Colella
Colella & Associates, Inc.
805 Smokerise Boulevard, Port Orange, Florida 32127

Contact Information
jcbjcolella-cai@prodigy.net

Phone /Fax
386-322-9080

Address(s)requested
2560 West Orange Blossom Trail
Apopka, Florida 32712

06-21-28-7172-02-011

Memo:

☐ NO Files for subject property or address is available at this time.

Point of Contact: Terri.Brinson@ocfl.net

☐ YES. Files for subject property or address is available upon request.

TO REQUEST COPIES OR SCHEDULE A FILE REVIEW PLEASE CONTACT ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION at 3165 McCrory Place, Suite 200, ORLANDO, FLORIDA 32803, PHONE# (407) 836-1400, FAX (407) 836-1499 OR BY SECTION STAFF:

Karen.Walton@ocfl.net - Air Quality Management NO
Erick.Perez@ocfl.net - Petroleum Restoration yes
Jane.Gregory@ocfl.net - Storage Tank Compliance yes
EPDComplaints@ocfl.net - Compliance Waste Mgmt yes
Ruth.Armstrong@ocfl.net - Laboratory Results NO
Rachael.Tillman@ocfl.net - NPDES NO
Godfrey.Dicksonjr@ocfl.net - Natural Resources

Note: Copy fees are applied upon request and are to be paid in full

***A formal records request must be made to the Orange County Attorney's Office for any records that are in litigation.**

Brinson, Terri

From: Walton, Karen
Sent: Wednesday, April 23, 2025 7:56 AM
To: Brinson, Terri
Subject: FW: PRR 141596 Due 05-02-2025.pdf
Attachments: PRR 141596 Due 05-02-2025.pdf

No Records Found.

Thank you,

Karen Walton
Administrative Specialist
Orange County Environmental Protection Division
Air Quality Management Program
3165 McCrory Place, Suite 200
Orlando, Florida 32803

office: 407-836-1516
cell: 321-689-8293
fax: 407-836-1499
email: Karen.Walton@ocfl.net
web: www.ocepd.org

From: Brinson, Terri <Terri.Brinson@ocfl.net>
Sent: Tuesday, April 22, 2025 4:21 PM
To: Armstrong, Ruth <Ruth.Armstrong@ocfl.net>; Dickson Jr, Godfrey <Godfrey.DicksonJr@ocfl.net>; EPD Complaints <EPDcomplaints@ocfl.net>; Gregory, Jane W <Jane.Gregory@ocfl.net>; Johnson, Liz <Liz.Johnson@ocfl.net>; Mercado, Arnaldo <Arnaldo.Mercado@ocfl.net>; Parker, Renee <Renee.Parker@ocfl.net>; Perez, Erick X <Erick.Perez@ocfl.net>; Tillman, Rachael <Rachael.Tillman@ocfl.net>; Walton, Karen <Karen.Walton@ocfl.net>
Subject: PRR 141596 Due 05-02-2025.pdf

Brinson, Terri

From: Perez, Erick X
Sent: Tuesday, April 29, 2025 12:08 PM
To: Brinson, Terri
Subject: RE: PRR 141596 Due 05-02-2025.pdf

Tanks record found: Facility ID #8513283, & PRP record Facility ID #8944489.

No other records found.

From: Brinson, Terri <Terri.Brinson@ocfl.net>
Sent: Tuesday, April 22, 2025 4:21 PM
To: Armstrong, Ruth <Ruth.Armstrong@ocfl.net>; Dickson Jr, Godfrey <Godfrey.DicksonJr@ocfl.net>; EPD Complaints <EPDcomplaints@ocfl.net>; Gregory, Jane W <Jane.Gregory@ocfl.net>; Johnson, Liz <Liz.Johnson@ocfl.net>; Mercado, Arnaldo <Arnaldo.Mercado@ocfl.net>; Parker, Renee <Renee.Parker@ocfl.net>; Perez, Erick X <Erick.Perez@ocfl.net>; Tillman, Rachael <Rachael.Tillman@ocfl.net>; Walton, Karen <Karen.Walton@ocfl.net>
Subject: PRR 141596 Due 05-02-2025.pdf

Brinson, Terri

From: Armstrong, Ruth
Sent: Thursday, April 24, 2025 1:35 PM
To: Brinson, Terri
Subject: no responsive records Re: PRR 141596 == due 5/02/25

Water Sciences has no responsive records for the site [Parcel 06-21-28-7172-02-011] presented for search.

Response by Oliver Ramos, Senior Environmental Specialist, Water Sciences Section
Message sent by Ruth Armstrong
Administrative Specialist
Environmental Protection Division
Natural Resource Management, Water Sciences
3165 McCrory Place, Suite 200
Orlando, Florida 32803-3727
office: 407-836-1470
fax: 407-836-1499
e-mail: ruth.armstrong@ocfl.net
web: www.ocfl.net/epd



Dive into the Water Atlas: www.orange.wateratlas.org

=== From: Brinson, Terri <Terri.Brinson@ocfl.net>
Sent: Tuesday, April 22, 2025 4:21 PM
To: Armstrong, Ruth <Ruth.Armstrong@ocfl.net>; Dickson Jr, Godfrey <Godfrey.DicksonJr@ocfl.net>; EPD Complaints <EPDcomplaints@ocfl.net>; Gregory, Jane W <Jane.Gregory@ocfl.net>; Johnson, Liz <Liz.Johnson@ocfl.net>; Mercado, Arnaldo <Arnaldo.Mercado@ocfl.net>; Parker, Renee <Renee.Parker@ocfl.net>; Perez, Erick X <Erick.Perez@ocfl.net>; Tillman, Rachael <Rachael.Tillman@ocfl.net>; Walton, Karen <Karen.Walton@ocfl.net>
Subject: PRR 141596 Due 05-02-2025.pdf

Brinson, Terri

From: Tillman, Rachael
Sent: Wednesday, April 23, 2025 12:11 PM
To: Brinson, Terri
Cc: Thomson, Jennifer E; Repass, Maria L; Saldana Rivera, Michael
Subject: PRR 141596
Attachments: Incident Report Sum 2506 West OBT.pdf; ImageReport_595602_20254231150.pdf

Terri,

There are no NPDES records for PRR 141596.

Yes, there are EPD/Comp. and Waste Management records for PRR 141596.

Rachael Tillman
Staff Assistant
Environmental Protection Division
3165 McCrory Place, Suite 200
Orlando, FL 32803
office: (407) 836-1461
fax: (407) 836-1417
e-mail: rachael.tillman@ocfl.net
web: www.ocfl.net/epd

ORANGE COUNTY GOVERNMENT FLORIDA

23-APR-2025 11:29

Neighborhood Services Division
Address Report

Location: 2560 W Orange Blossom Trl Parcel ID: 06-21-28-7172-02-011

INCIDENT SUMMARY

Incident ID: **595602** images Status: Closed

Zoned: I-L Reported on: 29-JUL-2021

Desc: Odor of ammonia coming from the cold storage warehouse located on the north east corner of the property. By: Repass

Owner(s): MG88 CENTRAL FLORIDA COLD STORAGE II LLC 501 NE 183RD ST UNIT 1 MIAMI, FL 33179-

Homestead: N

*** * * INSPECTIONS * * ***

Type	Inspector	Assigned	Due	Performed	Results	Comments
INS	S. THOMAS	7/29/2021 3:17:20 PM	8/3/2021	30-JUL-2021 12:12	IC	Per the 2018 (ammonia odor) complaint #18-465266, this facility is regulated by DEP. I, Shana Thomas, called the State Watch Office and spoke with Kassidy/Operator 311 who stated that she will refer this complaint to DEP-Central District. I provided the complainant's name & phone number. A few minutes later I received a call from Sperancia Mercilus/DEP (Sperancia.Mercilus@FloridaDEP.gov)who stated that James Mullin (James.Mullin@FloridaDEP.gov) is on call and will be assigned this complaint for investigation. About an hour later I received a call from Chris Stevens with FL Emergency Mgmt. (850-815-4318) who will be handling the investigation.--S.Thomas Referred to Lauren Rossouw on 07/30/2021.
REF	L. ROSSOUW	7/30/2021	8/6/2021	30-JUL-2021 14:04	IC	DEP and EM are handling. No further action needed by EPD at this time.

No violations found

*** * * CALL HISTORY * * ***

Date	Call Type	Call Return/Date	Caller Notes	Caller Name	Caller Phone no.	Caller Address	Caller Email
29-JUL-2021	CIT	N		Terry Cummings	4076163525	3358 Evergreen Road Apopka, FL-32798	

*** * * MEMO/NOTES * * ***

Date	System Date	Inspector	Notes
7/30/2021	8/2/2021 10:43:00 AM	S. THOMAS	EMAIL FROM JAMES MULLIN/DEP: "Good afternoon Shana, I spoke with the General manger Janette Acosta, and she stated that the facility has not had any ammonia release. They have had a lot of complaints about a foul odor lately because they have been storing a large quantity of dehydrated garlic. Janette stated that the City of Apopka has already investigated/ inspected the facility about a

week ago. I also spoke with the company that regulates the refrigeration system and they stated that no releases have been observed, and no alarms have been triggered. Please let me know if you have any questions. Thank you, James Mullin/DEP"

No CEB Information found

No Hearings found

epd_addr_rpt

23-APR-2025 11:29

Neighborhood Services Division
Address Report

Location: 2560 W Orange Blossom Trl Parcel ID: 06-21-28-7172-02-011

INCIDENT SUMMARY

Incident ID: **465266** images Status: Closed

Zoned: I-1 Reported on: 18-AUG-2016

Desc: (Referred to SWO) Part of the roof that collapsed 2 days ago had an ammonia line running along top of the roof. The ammonia line is currently being held up by a crane using towing-type straps. By: Thomas

Owner(s): MID FLORIDA FREEZER WAREHOUSES LTD PO BOX 572 CAPE CANAVERAL, FL 32920-

Homestead: N

* * * INSPECTIONS * * *

Type	Inspector	Assigned	Due	Performed	Results	Comments
INS	S. THOMAS	8/18/2016 11:36:05 AM	8/23/2016	18-AUG-2016 11:39	IC	I called Holly Fortune/DEP-BER & let her know of the situation. She stated that DEP/Tallahassee regulates facilities using ammonia, so she'll contact them for guidance & then call Chief Carnesale and Mid-FL Freezer. I called the SWO and reported the incident. I then called Chief Carnesale just to let him know that he'll be getting a call from FDEP-BER shortly. He stated that this event occurred 2 days ago and that the pipes are being held up by towing-like straps. I called SWO again to report this updated info.--S.Thomas

No violations found

* * * CALL HISTORY * * *

Date	Call Type	Call Return/Date	Caller Notes	Caller Name	Caller Phone no.	Caller Address	Caller Email
18-AUG-2016	SWO	N	Fire Chief Chuck Carnesale of the City of Apopka (407-703-1654/Office; 321-303-6710/Cell) is waiting for guidance about public safety. The Assistant Fire Chief has photos.	Mayor Joe Kilsheimer	4077196686	Mayor of City of Apopka , -	jkilsheimer@apopka.net

No memo found

No CEB Information found

No Hearings found

epd_addr_rpt

23-APR-2025 11:29

Neighborhood Services Division
Address Report

Location: 2560 W Orange Blossom Trl Parcel ID: 06-21-28-7172-02-011

INCIDENT SUMMARY

Incident ID: 341259 images Status: Closed

Zoned: I-1 Reported on: 25-JAN-2012

Desc: Possible stockpiling of tires at McGee Tire. By: Thomas

Owner(s): MID FLORIDA FREEZER WAREHOUSES LTD PO BOX 572 CAPE CANAVERAL, FL 32920-

Homestead: N

*** * * INSPECTIONS * * ***

Type	Inspector	Assigned	Due	Performed	Results	Comments
INS	R. MOORE	1/25/2012 3:31:22 PM	1/17/2012	17-JAN-2012 13:35	IC	On 1/17/12 I met with Gloria Jean Depradine and Carolyn Heaviside from DEP Central District. DEP took the lead in conducting the investigation of McGee Tires and we found no evidence of stock piling and tire processing. The site is a hub used for truck to truck transfers. The owners of the site are Jessie and Buddy McGee. We met with Jessie and advised him that trailers with tires are only allowed on site no more than 7 days. He told us that their turn around time is 36 to 48 hours. No further investigation will be conducted by EPD at this time. See photos. R. Moore.
OTH	R. MOORE	4/27/2012 9:23:00 AM	2/17/2012	17-FEB-2012 11:24	IC	On 2/17/12 I performed a follow up at McGee tires. I spoke to Mike site supervisor, and at this time site operations appear satisfactory. No photos needed. R. Moore.

No violations found

*** * * CALL HISTORY * * ***

Date	Call Type	Call Return/Date	Caller Notes	Caller Name	Caller Phone no.	Caller Address	Caller Email
25-JAN-2012	FDEP	N		Gloria DePradine		, -	Gloria.depradine@dep.state.fl.us

No memo found

No CEB Information found

No Hearings found

epd_addr_rpt

Brinson, Terri

From: Dickson Jr, Godfrey
Sent: Thursday, May 1, 2025 9:25 AM
To: Brinson, Terri
Subject: RE: PRR 141596 Due 05-02-2025.pdf

NR

From: Brinson, Terri <Terri.Brinson@ocfl.net>
Sent: Tuesday, April 22, 2025 4:21 PM
To: Armstrong, Ruth <Ruth.Armstrong@ocfl.net>; Dickson Jr, Godfrey <Godfrey.DicksonJr@ocfl.net>; EPD Complaints <EPDcomplaints@ocfl.net>; Gregory, Jane W <Jane.Gregory@ocfl.net>; Johnson, Liz <Liz.Johnson@ocfl.net>; Mercado, Arnaldo <Arnaldo.Mercado@ocfl.net>; Parker, Renee <Renee.Parker@ocfl.net>; Perez, Erick X <Erick.Perez@ocfl.net>; Tillman, Rachael <Rachael.Tillman@ocfl.net>; Walton, Karen <Karen.Walton@ocfl.net>
Subject: PRR 141596 Due 05-02-2025.pdf

bmc | FootPrints

Container type: **WORKSPACE**
Container name: **Public Record Management**

Item type: **TICKET**
Item name: **Request**

Created By: **Terri Brinson**
Created On: **04/22/2025 01:46 PM**

Date: 04/22/2025 01:47 PM

PRR-141596 - Public Record Management System

Public Record Request

Request Number:	PRR-141596
Status:	Awaiting Information
Received Date:	04/22/2025
Received Date Lock:	No
Send Confirmation:	false

Contact Information

Contact Type:	Business
Clear Contact Information:	false
Full Name:	Jim Colella
Email Address:	jcbjcolella@prodigy.net
Receive Email:	Yes
First Name:	Jim
Last Name:	Colella
Company Name:	Colella & Associates, Inc.
Street Address:	805 Smokerise Boulevard
Addr City:	Port Orange
Addr State:	FL
Addr Zip Code:	32127
Office Phone:	3863229080
Fax:	3863220068

Request Information

Record Type:	Documents>Environmental Site Assessments
Request Type:	Standard
Method of Contact:	Email
InActive:	false
DeptDivision:	Planning, Environmental, and Development Services | Environmental Protection
Dept Liaison:	Planning, Environmental, and Development Services
Primary Assignee:	Terri Brinson

Notify: false

Date Assigned: 04/22/2025 01:46 PM

Request Description: Terri,

Good morning. Please provide any environmental information in the OCEPD files for the subject property (Parcel ID 06-21-28-7172-02-011).

Thank You
Jim

James C. Colella, PE

Colella & Associates, Inc.
805 Smokerise Boulevard, Port Orange, FL 32127
(386) 322-9080 -- Office
(386) 322-0068 -- Facsimile

Resolution:

Request Log

Standard Update: Select One

Update Note:

Request Log:

04/22/2025 01:46 PM | Terri Brinson
Forwarded to administrative specialists on 04/22/2025 for research.

Cost Information

Estimate Amount: 0.00

Deposit Amount: 0.00

Deposit Received: No

Balance Amount: 0.00

Balance Received: No

Date Tracking

Created On: 04/22/2025 01:46 PM

Created By: Terri Brinson

Updated On: 04/22/2025 01:47 PM

Updated By: Terri Brinson

Rules Log

Rules History:

04/22/2025 01:46 PM | Rule

Brinson, Terri

From: James <jcbjcolella-cai@prodigy.net>
Sent: Tuesday, April 22, 2025 11:05 AM
To: Brinson, Terri
Subject: Records Search Request -- 2650 W. Orange Blossom Trail, Apopka

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Terri,

Good morning. Please provide any environmental information in the OCEPD files for the subject property (Parcel ID 06-21-28-7172-02-011).

Thank You
Jim

James C. Colella, PE

Colella & Associates, Inc.
805 Smokerise Boulevard, Port Orange, FL 32127
(386) 322-9080 -- Office
(386) 322-0068 -- Facsimile

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Print Date: 04/22/2025 System Refresh Date: 04/22/2025

2560 W Orange Blossom Trl 06-21-28-7172-02-011

Name(s):
MG88 CENTRAL FLORIDA COLD STORAGE II LLC

Physical Street Address:
2560 W Orange Blossom Trl

Property Use:
4610 - Ind Cold Storage

Mailing Address On File:
501 Ne 183Rd St Unit 1
Miami, FL 33179-4525
Incorrect Mailing Address?

Postal City and Zip:
Apopka, FL 32712

Municipality:
Apopka



Upload Photos

View 2024 Property Record Card

PROPERTY FEATURES | VALUES, EXEMPTIONS AND TAXES | SALES | MARKET STATS | LOCATION

Historical Value and Tax Benefits

Tax Year Values	Land	Building(s)	Feature(s)	Market Value	%	Assessed Value	%
2024 ✓ MKT	$4,558,950	$15,069,456	$106,127	$19,734,533	-2.7%	$19,734,533	6.1%
2023 ✓ MKT	$4,558,950	$15,629,648	$100,227	$20,288,825	19.9%	$18,607,425	10.5%
2022 ✓ MKT	$3,913,756	$12,904,690	$100,227	$16,918,673	10.5%	$16,845,341	10.0%
2021 ✓ MKT	$3,557,960	$11,655,759	$100,227	$15,313,946	N/A	$15,313,946	N/A

Tax Year Benefits	Original Homestead	Additional Hx	Other Exemptions	SOH CAP	Tax Savings
2024 ✓			$0		$0
2023 ✓ $			$0		$15,429
2022 ✓ $			$0		$674
2021 ✓			$0		$0

2024 Taxable Value and Certified Taxes

Tax Year: 2024 | 2023 | 2022 | 2021

Taxing Authority	Assd Value	Exemption	Tax Value	Millage Rate	%	Taxes	Tax Breakdown
Public Schools: By State Law (Rle)	$19,734,533	$0	$19,734,533	3.2160	1.4%	$63,466.26	20%
Public Schools: By Local Board	$19,734,533	$0	$19,734,533	3.2480	0.0%	$64,097.76	20%
General County	$19,734,533	$0	$19,734,533	4.4347	0.0%	$87,516.73	27%
City Of Apopka	$19,734,533	$0	$19,734,533	4.6876	11.9%	$92,507.59	29%
Library - Operating Budget	$19,734,533	$0	$19,734,533	0.3748	0.0%	$7,396.50	2%
St Johns Water Management District	$19,734,533	$0	$19,734,533	0.1793	0.0%	$3,538.40	1%
Totals				16.1404		$318,523.25	

Non-Ad Valorem Assessments

2024 Non-Ad Valorem Assessments

Levying Authority	Assessment Description	Units	Rates	Assessment
There are no Non-Ad Valorem Assessments				

2024 Gross Tax Total: $318,523.25

2024 Tax Savings Tax Savings

Your taxes without exemptions would be: $318,523.25

Your ad-valorem tax with exemptions is: - $318,523.25

Providing You A Savings Of: = $0.00

City of Apopka
CITY COMMISSION STAFF REPORT

Section: BUSINESS (Action Item)
Item #: 5.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Quasi-Judicial - Floridian Town Center Hotel – Major Development Plan

ACTION ITEM INFORMATION:
Owner(s): Florence Hotel Company LLC 73% INT Apopka Acquisition Company LLC 27% INT
Applicant: Jason W. Searl, Esq.
Parcel Identification Number(s): 06-21-28-7172-16-042
Location: Lot 5, Floridian Town Center PD (Planned Development)
Future Land Use: Commercial
Zoning: PD (Planned Development)
Existing Use(s): Vacant
Proposed Use: 137 room hotel
Tract Size: 2.91 +/- Acres
Project Manager: Bobby Howell

REQUEST:
Approve the Floridian Town Center hotel - Major Development Plan.

SUMMARY:
ZONING REPORT
This chart includes the relationships to adjacent properties.

Direction	Future Land Use	Zoning	Present Use
North	High Density Residential	Planned Development (PD)	Vacant parcel, Floridian Town Center PD
East	Commercial/High Density Residential	Planned Development (PD)	Vacant parcel, Floridian Town Center PD
South	Commercial	Planned Development (PD)	Vacant parcel, Floridian Town Center PD
West	Commercial	Planned Development (PD)	Vacant parcel, Floridian Town Center PD

The Applicant requests approval of a Major Development Plan (MDP) for a proposed 4-story, 137 room Marriott Farifield Inn/Townplace Suites hotel located on Lot 5 of the Floridian Town Center PD (Planned Development), which is located at the north-west corner of the intersection of the SR 429 Connector Road and US 441. The

subject property is approximately 2.91 acres in size. The Major Development Plan for the hotel proposes on-site parking, landscaping, and pedestrian improvements that allows accessibility into the site from the surrounding public rights-of-ways. The hotel will be constructed with an outdoor patio and swimming pool for guests to use. The hotel will not have a restaurant, only a breakfast area for guests. Access to the development is proposed via Southfork Drive and Floridian Town Center Boulevard, both of which are internal roadways within the Floridian Town Center PD. Upon construction of the hotel, this project will be the first development within the Floridian Town Center PD.

The Floridian Town Center PD was approved by the City Commission in 2021 via Ordinance No. 2840, and was amended by Ordinance No. 3060 in 2024 and is entitled for townhome, multifamily, commercial, hotel, and mixed-use development. Infrastructure to service the development including stormwater, utilities, and roads has been constructed by the master developer. Design of the hotel site is consistent with the approved PD Master Plan, Comprehensive Plan and Land Development Code.

LANDSCAPE PLAN: The landscape plan includes shade and understory trees consisting of Willow Oak, Florida Elm, Chinese Pistache, Red Holly, Bald Cypress, Crepe Myrtle, and shrubs and groundcovers consisting of Abelia, Rosemary, Distylium, and Jasmine. Grass is proposed with Bermuda grass. Trees and groundcover are provided in the parking islands, trees, groundcover and shrubs are provided along the Southfork Drive and Floridian Town Center street frontages. Foundational landscaping is provided adjacent to the hotel building, and consists of Bermuda grass, Crepe Myrtle and Holly trees, and Hydrangea. The Major Development Plan proposes a total of 25% open space on the site that includes site landscaping.

ACCESS & PARKING:
Consistent with the approved PD, access points are provided leading into the site from Floridian Town Center Boulevard and Southfork Road. The Major Development Plan provides 142 vehicle parking spaces (7 accessible, 2 EV spaces, 133 standard), and 9 bicycle parking spaces consistent with Land Development Code requirements. A 45-foot by 12-foot unloading zone is proposed adjacent to the northern building entrances. Pedestrian connections are provided from the sidewalks that will be constructed along the Southfork Road and Floridian Town Center street frontages. The Floridian Town Center property owner (Town Center developer) will design and construct Southfork Drive, which is the east/west road within the Floridian Town Center PD, pursuant to the timing requirements under its Master Development Agreement (Floridian Town Center), as amended, with the City. The applicant (Lot 5 hotel developer) has committed to bear the burden of utilizing its best efforts to make the Town Center developer obtain their permit for said road construction prior to the applicant obtaining its permit for the construction of the hotel. This works to ensure the road will be on its way to being constructed prior to applicant's beginning to construct its hotel.

STORMWATER: Consistent with the approved PD, stormwater will be discharged into Tract "H" of the Floridian Town Center which serves as the master stormwater pond.

The Development Review Committee finds that the applicant has demonstrated competent, substantial evidence that:

1. The proposed development and uses in the development plan comply with Article 3: Zoning Districts, and Article 4: Use Regulations;

2. The development proposed in the development plan and its general layout and design comply with all the standards in Article 5: Development Standards, and Article 6: Environmental Standards;

3. The development proposed in the development plan complies with all conditions of approval in any development approval or permit to which the plan is subject; and

4. The development proposed in the development plan complies with all other applicable standards in this LDC and all other City regulations; and

5. If any part of the development plan requires a plat, the plat is approved in accordance with Sec. 2.5.2.B, Plat (Subdivision), and is in substantial conformance with the development plan.

Final technical compliance with engineering, utility, drainage, fire access, and construction details will be addressed through Construction Site Plan review and permitting, that will be required to be approved by the

Development Review Committee (DRC). Approval of the Major Development Plan does not authorize construction.

ORANGE COUNTY NOTIFICATION:
The JPA (Joint Planning Agreement) requires the City to notify the County 30 days before any public hearing or advisory board. The City properly notified Orange County on March 11, 2025.

PUBLIC HEARING SCHEDULE
June 9, 2026 – Planning Commission (5:30 PM)
July 1, 2026 – City Commission (1:30 PM)

FUNDING SOURCE:
N/A

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
DEVELOPMENT REVIEW COMMITTEE (DRC):
On April 29, 2026, the Development Review Committee (DRC) recommended approval of the Floridian Town Center hotel — Major Development Plan and found it consistent with the Comprehensive Plan and Land Development Code.

PLANNING COMMISSION:
On June 9, 2026, the Planning Commission unanimously recommended approval of the Floridian Town Center hotel — Major Development Plan and found it consistent with the Comprehensive Plan and Land Development Code based upon the findings and facts presented in the staff report and exhibits.

RECOMMENDED MOTION - CITY COMMISSION:
Approve the Floridian Town Center hotel - Major Development Plan.

ATTACHMENTS:
1. Marriott Fairfield Towneplace Suites Civil Set
2. Map series
3. Ordinance Number 2840 Floridian Town Center PD
4. Ordinance Number 3060 Amended Floridian Town Center PD
5. Agreement - Floridian Town Center Agreement (Master Development) - RECORDED
6. Agreement - Amendment to Master Development Agreement (Floridian Town Center)
7. Agreement - Floridian Town Center Transportation Impact Fee Credit Agreement
8. Floridian Town Center Hotel – TIA
9. Floridian Town Center Hotel – ESA Phase I

MAJOR DEVELOPMENT PLAN FOR:

MARRIOTT FAIRFIELD TOWNEPLACE SUITES

NWC OF STATE ROAD 429 & CONNECTOR RD, APOPKA, FLORIDA 33712

PARCEL ID NUMBER 06-21-28-7172-16-030*, 06-21-28-7172-16-040*, 06-21-28-7172-16-042*
*UPON FINAL PLAN APPROVAL, PARCEL ID IS SUBJECT TO CHANGE

NOT FOR CONSTRUCTION

SECTION 36, TOWNSHIP 20 S, RANGE 27 E,
SECTION 31, TOWNSHIP 20 S, RANGE 28 E

GENERAL STATEMENT:

THIS PROJECT CONSISTS OF THE DEVELOPMENT OF ± 2.91 AC (126,700 SF) OF VACANT LAND. THE PROPOSED DEVELOPMENT INCLUDES THE CONSTRUCTION OF A ±77,081.73 SF; 4-STORY, 46 FEET 6 INCH TALL HOTEL ALONG WITH THE ASSOCIATED PARKING, LANDSCAPING, DRAINAGE AND UTILITIES.

UTILITY PROVIDERS:

WATER, WASTEWATER, RECLAIM	CITY OF APOPKA 748 EAST CLEVELAND STREET APOPKA, FL 32703 PHONE: (407) 703-1713
ELECTRIC	DUKE ENERGY 452 EAST CROWN POINT ROAD WINTER GARDEN, FL 34787 PHONE: (407) 905-3302 FAX: (407) 905-3365
GAS	LAKE APOPKA NATURAL GAS ANTONIO GIBSON 1320 WINTER GARDEN VINELAND ROAD WINTER GARDEN, FL 34787 PHONE: (407) 861-9231 EMAIL: ANTONIO.GIBSON@LANDGD.ORG FAX: (407) 410-7024
TELEPHONE	CENTURYLINK FLORIDA, INC. 33 NORTH MAIN STREET WINTER GARDEN, FL 34787 PHONE: (407) 814-5351 FAX: (407) 814-5320
CABLE TV	BRIGHT HOUSE NETWORKS 65 SOUTH KELLER ROAD ORLANDO, FL 32810 PHONE: (407) 215-5505 FAX: (407) 215-5758

SURVEY NOTE:

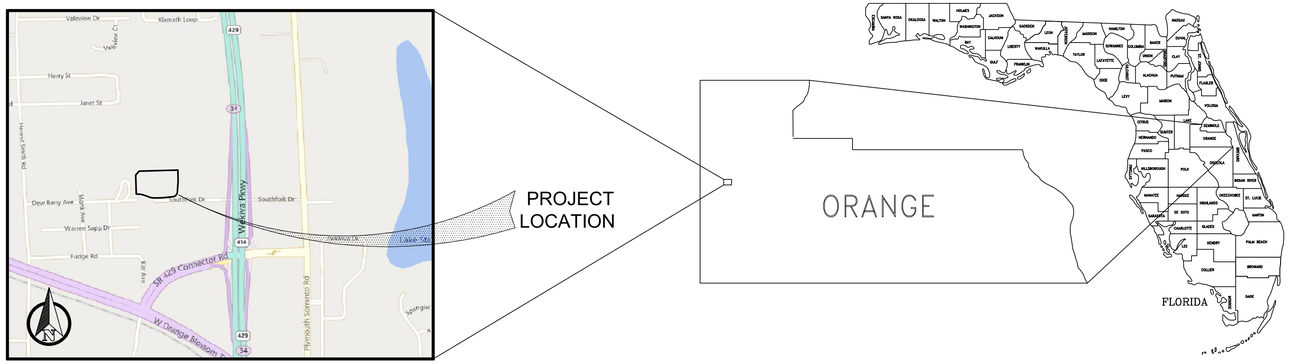
THESE PRELIMINARY PLANS WERE PREPARED WITHOUT THE BENEFIT OF A SITE SPECIFIC BOUNDARY SURVEY, THE PROPERTY BOUNDARY IS BASED OFF OF ORANGE COUNTY PROPERTY APPRAISER GIS.

TOPOGRAPHY INFORMATION IS BASED OFF OF THE SURVEY BY DONALD W. MCINTOSH ASSOCIATES, INC. DATED 11/10/2020.

FLOOD NOTE:

BY PERFORMING A SEARCH WITH THE LOCAL GOVERNING MUNICIPALITY OR WWW.FEMA.GOV, THE PROPERTY APPEARS TO BE LOCATED IN ZONE X. THIS PROPERTY WAS FOUND IN ORANGE COUNTY, COMMUNITY NUMBER 120179, FIRM NO. 12095C0125H & 12095C0110H, EFF. 09-24-2021.

Know what's below. Call before you dig.



SITE LOCATION MAP

N.T.S.

DIRECTIONS TO PROJECT SITE

FROM SR 429 N: HEAD NORTH ON STATE RTE 429 N, THEN HEAD WEST TOWARD SR 429 CONNECTOR RD, TURN RIGHT ONTO FLORIDIAN TOWN CENTER BLVD, AT THE TRAFFIC CIRCLE, TAKE THE 3RD EXIT ONTO SOUTHFORK RD, THE DESTINATION WILL BE ON THE RIGHT.

OWNER / DEVELOPER

RICHARD DEMARCO
FLORENCE HOTEL COMPANY, LLC.
100 CHURCH ST. SW, SUITE 400
HUNTSVILLE, AL 35801

CIVIL ENGINEER

BOWMAN CONSULTING GROUP, LTD.
ENGINEERING OF RECORD:
KYLE A. SHASTEEN, P.E.
4450 W. EAU GALLIE BLVD.
SUITE 144
MELBOURNE, FL-32934
PHONE: (321) 255-5434

Bowman

Sheet List Table	
Sheet Number	Sheet Title
C0	COVER SHEET
PD	MASTER PLAN
G1.0	GENERAL NOTES
G1.1	GENERAL NOTES
S1.0	AERIAL, SOILS & FLUCCS
C1.0	DEVELOPMENT PLAN
C1.1	PARKING PLAN
C2.0	PRELIMINARY PAVING, GRADING & UTILITY PLAN
C3.0	FIRE TRUCK MOVEMENT PLAN
C3.1	GARBAGE TRUCK MOVEMENT PLAN
D1.0	DETAILS - COVER
D1.2	DETAILS - LOBBY LEVEL FLOOR PLAN
D1.3	DETAILS - TYP. LEVEL FLOOR PLAN
D1.4	DETAILS - LEVEL 3 FLOOR PLAN
D1.5	DETAILS - LEVEL 4 FLOOR PLAN
D1.6	DETAILS - ROOF PLAN
D1.7	DETAILS - BUILDING ELEVATIONS
D1.8	DETAILS - BUILDING ELEVATIONS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE SPECS
LE 1.00	PHOTOMETRIC PLAN APPLICATIONS
LE 5.00	LIGHTING CUT SHEETS, DIAGRAMS, & NOTES
LE 5.01	LIGHTING MATERIALS & PRODUCT CUT SHEETS

Bowman Consulting Group Ltd
4450 W Eau Gallie Blvd.
Suite 144
Melbourne, FL 32934
Phone: (321) 255-5434
www.bowman.com

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Certificate of Authorization License No. 30462

COVER SHEET
MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712
CITY OF APOPKA
ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

SCALE	AS SHOWN
JOB No.	011589-01-001
DATE	9/22/2025

COVER SHEET

SHEET No. C0

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Plot By: EVAN
Plot Date: 9/22/25 9:58 AM
File Path: I:\2011\589-01-001 (ENG) - Marriott Fairfield Townplace Suites\Engineering\Design\Plans\PRELIMINARY DEVELOPMENT PLANS\011589-01-001 (C0 COVER).dwg

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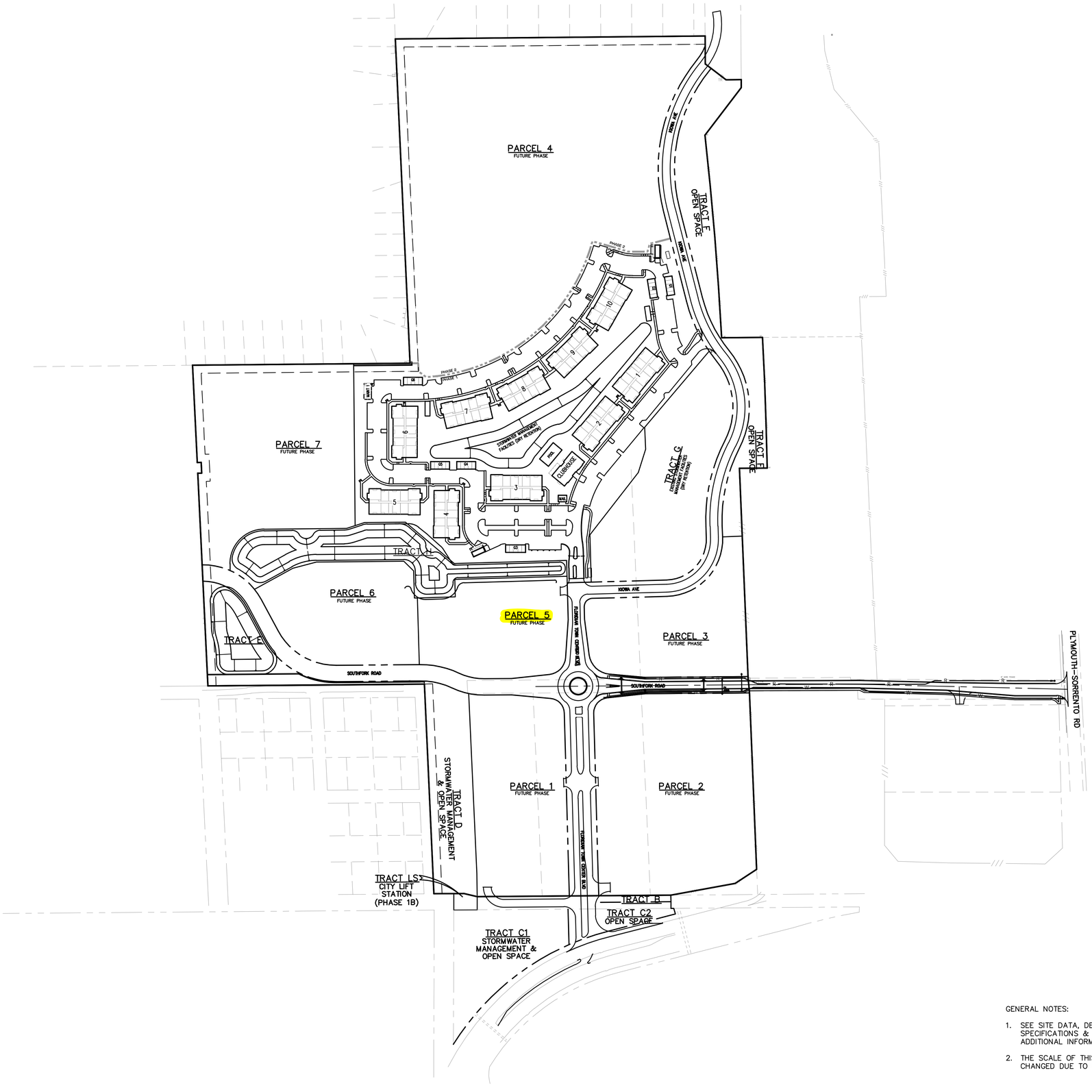

NOT FOR CONSTRUCTION

GENERAL NOTES:

1. SEE SITE DATA, DEVELOPMENT NOTES, SPECIFICATIONS & LEGEND SHEETS FOR ADDITIONAL INFORMATION.
2. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

McINTOSH ASSOCIATES
an LJA company
1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.644.4068

Seals

DATE: _____

MAJOR DEVELOPMENT PLAN – PHASE 1
FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

DOCUMENT CHANGES

Description	Date
REVISED PARCEL 4 PHASE 1 DEVELOPMENT	4/30/24

Issue Description	
Issue Date	2/16/21
Project No	18161
Drawn/ Designed	MAB / MAB
Checked By	JCN

Drawing Title

MASTER PLAN

Sheet Number

PD

GENERAL REQUIREMENTS OF CONTRACTOR

1. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN IN THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR AS-BUILT DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE AGENCY(S) HAVING JURISDICTION. ALL WORK SHALL BE AS-BUILT BY A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR INCLUDING ALL FINISH FLOORS, SITE GRADING, WATER SYSTEM, SEWER SYSTEM, DRAINAGE SYSTEM, RECLAIMED WATER SYSTEM AND ALL OTHER FACILITIES ASSOCIATED WITH THE PROJECT.

   UPON COMPLETION OF THE PROJECT, THE LICENSED SURVEYOR SHALL DELIVER SIGNED AND SEALED COPIES OF THIS AS-BUILT RECORD OF THE PROJECT TO THE ENGINEER.

   WARNING: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.

2. CONTRACTOR SHALL PROMPTLY NOTIFY, BY TELEPHONE AND IN WRITING, THE ENGINEER AND THE AGENCY HAVING JURISDICTION UPON DISCOVERY OF, AND BEFORE DISTURBING, ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY THE APPROVED PLANS AND SPECIFICATIONS.

3. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

4. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY ON OR IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO ORIGINAL CONDITION ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.

5. EXISTING BURIED CONDUITS AND STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THESE PLANS. HOWEVER, ALL CONDUITS AND STRUCTURES MAY NOT BE SHOWN AND THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE PREPARER OF THE PLANS.

   CONTRACTOR SHALL INDEPENDENTLY VERIFY THE PRESENCE OF BURIED CONDUITS AND STRUCTURES, BOTH ACTIVE AND ABANDONED-IN-PLACE AND, BEFORE COMMENCING WORK, CONTRACTOR SHALL DETERMINE THE EXACT LOCATION INCLUDING DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES, INCLUDING SERVICE CONNECTIONS, WHICH MAY AFFECT OR BE AFFECTED BY HIS OPERATIONS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES.

   UPON ENCOUNTERING EXISTING UTILITIES OR STRUCTURES NOT SHOWN OR LOCATED DIFFERENTLY THAN SHOWN ON THE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF THE CONDUIT OR STRUCTURE BY TELEPHONE AND IN WRITING. IF SUCH CONDUIT OR STRUCTURE AFFECTS OR IS AFFECTED BY THE WORK, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION AND DIRECTION BEFORE PROCEEDING WITH THE WORK, EXCEPTING THAT IN AN EMERGENCY AFFECTING SAFETY OF LIFE, WORK OR ADJACENT PROPERTY, CONTRACTOR SHALL ACT AT ONCE WITHOUT INSTRUCTIONS TO PREVENT INJURY OR LOSS.

6. CONTRACTOR SHALL CONTACT SUNSHINE 811 A MINIMUM OF 48 HOURS IN ADVANCE OF STARTING ANY CONSTRUCTION TO HAVE KNOWN UNDERGROUND FACILITIES LOCATED. NO EXCAVATION SHALL COMMENCE UNLESS THE CONTRACTOR HAS OBTAINED THE INQUIRY IDENTIFICATION NUMBER AND EACH UTILITY OR OTHER OWNER OF SUBSURFACE FACILITIES HAS LOCATED AND PHYSICALLY MARKED THEIR SUBSURFACE FACILITIES IN THE AREA OF WORK.

7. BEFORE COMMENCING EXCAVATION, CONTRACTOR SHALL CONTACT THE CITY AND EACH UTILITY COMPANY OR OTHER OWNER OF SUBSURFACE FACILITIES WITHIN THE WORK SITE, SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE WILL BE PRESENT BEFORE AND/OR DURING EXCAVATION, AND SHALL DETERMINE SITE-SPECIFIC REQUIREMENTS FOR EXCAVATION.

8. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD BEFORE START OF ANY CONSTRUCTION AND SCHEDULE THE TIME AND LOCATION OF PRE-CONSTRUCTION CONFERENCE. A PRE-CONSTRUCTION CONFERENCE WITH THE CITY IS REQUIRED PRIOR TO START OF WORK.

9. CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING MONUMENTS WHICH CONTROL SUBDIVISIONS, TRACTS, BOUNDARIES, EASEMENTS, STREETS, HIGHWAYS OR OTHER RIGHTS-OF-WAY, OR WHICH PROVIDE SURVEY CONTROL WHICH WILL BE DISTURBED OR REMOVED DUE TO CONTRACTOR'S WORK. PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS, CONTRACTOR SHALL CONTRACT WITH LICENSED LAND SURVEYOR TO RESET MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEYOR.

10. CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS AND CONCLUSIONS AS TO HOW EXISTING SURFACE AND SUB-SURFACE CONDITIONS WILL AFFECT OR BE AFFECTED BY HIS CONSTRUCTION OPERATIONS, INCLUDING THE NATURE OF MATERIALS TO BE EXCAVATED, THE DEGREE OF DIFFICULTY ASSOCIATED WITH MAKING AND MAINTAINING THE REQUIRED EXCAVATIONS, AND THE DEGREE OF DIFFICULTY WHICH MAY ARISE FROM SUBSURFACE CONDITIONS INCLUDING GROUNDWATER, AND SHALL ACCEPT FULL RESPONSIBILITY THEREFOR.

11. IT IS CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF EXISTING PAVEMENT ALONG AND BEHIND SAWCUT LINES DURING CONSTRUCTION; IF PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE (1-FOOT MINIMUM) BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND / OR IRREGULARITY ALONG THE CONFORM LINE, OR AS REQUIRED BY THE AGENCY HAVING JURISDICTION.

12. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL AS REQUIRED FOR THE WORK IN PROGRESS TO SAFELY HANDLE VEHICULAR, BICYCLE AND PEDESTRIAN TRAFFIC THROUGHOUT THE PROJECT, AND THAT THIS REQUIREMENT SHALL APPLY 24 HOURS PER DAY AND SEVEN DAYS A WEEK FOR THE DURATION OF WORK ON THE PROJECT. CONTRACTOR SHALL IMPLEMENT MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", SECTION 102 "MAINTENANCE OF TRAFFIC".

13. WORK PERFORMED BY THE CONTRACTOR THAT IS REQUIRED TO BE AS-BUILT SHALL BE SURVEYED BY A SURVEYOR REGISTERED IN THE STATE OF FLORIDA. IMPROVEMENTS SHALL BE SURVEYED WHILE THE WORK IS IN PROGRESS (UNCOVERED) SO THAT THE SURVEYOR CAN VISUALLY OBSERVE THE WORK AND SPECIFIC ELEMENT BEING SURVEYED AND CONFIRM WHAT IS BEING LOCATED, INCLUDING TYPE AND SIZE. IF THE WORK IS BURIED, THE CONTRACTOR IS RESPONSIBLE FOR POTHOLING EACH FITTING AND FEATURE OF THE INSTALLATION SO THE SURVEYORS WORK CAN BE PERFORMED. IT IS NOT ACCEPTABLE TO COVER WORK AND USE PIPE EXTENSIONS FOR THE PURPOSE OF AS-BUILTING INSTALLED WORK.

CONSTRUCTION NOTES (SPECIFICATIONS)

GENERAL NOTES:

1. UNLESS MODIFIED OR OTHERWISE SPECIFIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEREON INCLUDING THOSE UNDER SEPARATE HEADINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FDOT SPECIFICATIONS, STANDARDS AND STANDARD PLANS, AND THE CITY OF APOPKA DESIGN STANDARDS AND STANDARD DETAILS. WHERE DISCREPANCIES IN THE STANDARDS OCCUR THE EOR AND CITY ENGINEER SHALL MAKE THE FINAL DETERMINATION.

   ALL REFERENCED SPECIFICATIONS, CODES, DRAWINGS, AND DETAILS SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT OR DELINEATED IN THEIR ENTIRETY HEREON.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AND INTERFACING IMPROVEMENTS WITH WORK BY OTHER CONTRACTORS AT THIS JOB SITE AND WITH IMPROVEMENTS REQUIRED BY PLANS BY OTHERS.

3. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING AND GEOLOGICAL REPORTS FOR THIS PROJECT INCLUDING THOSE LISTED BELOW:

   NO REPORT, THIS SECTION DOES NOT APPLY.

   THESE REPORTS AND ANY ADDENDA SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT IN THEIR ENTIRETY HEREON. IT IS CONTRACTOR'S RESPONSIBILITY TO REVIEW THE APPLICABLE GEOTECHNICAL AND GEOLOGY REPORTS. CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO OBTAIN OR REVIEW COPIES OF THESE REPORTS AND ADDENDA.

   PRIOR TO BIDDING, CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO DETERMINE THE LOCATION AND DEPTH OF ALL TEST BORINGS AND EXPLORATORY PITS AND EXCAVATIONS. CONTRACTOR SHALL DETERMINE FROM THE GEOTECHNICAL ENGINEER WHAT REMEDIAL WORK IS RECOMMENDED TO MAKE THESE DISTURBED LOCATIONS SUITABLE FOR THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS FOR THE RECOMMENDED REMEDIAL WORK AND SHALL ADJUST HIS OPERATIONS TO PROPERLY SEQUENCE THE WORK TO ACCOMMODATE REMEDIAL WORK WITH CONSTRUCTION OF PROPOSED IMPROVEMENTS.

4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL FEDERAL AND STATE REQUIREMENTS.

5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY OR AS REQUIRED BY THE APPLICABLE REGULATORY AGENCY.

6. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TEMPORARY IMPROVEMENTS, AND PARTIALLY COMPLETED PORTIONS OF THE WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA TRENCH AND EXCAVATION SAFETY AND THE FLORIDA TRENCH SAFETY ACT.

7. BEFORE BEGINNING WORK, CONTRACTOR SHALL CONFIRM WITH AGENCIES HAVING JURISDICTION THAT ALL REQUIRED PERMITS AND LICENSES HAVE BEEN OBTAINED AND ALL REQUIRED NOTICES GIVEN.

8. DURING THE COURSE OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. ALL TESTING OF MATERIALS AND MATERIALS PLACED SHALL BE BY THE CONTRACTOR, AT HIS SOLE EXPENSE, USING AN INDEPENDENT LABORATORY.

   WORK NOT OBSERVED BY THE EOR AND TESTED WILL BE SUBJECT TO REJECTION.

9. ALL UNSUITABLE CONSTRUCTION MATERIALS AND RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE, BE TRANSPORTED TO A SUITABLE LOCATION, AND BE DISPOSED OF IN A PROPER AND LEGAL MANNER AT THE EXPENSE OF THE CONTRACTOR.

10. CONTRACTOR SHALL SCHEDULE GRAVITY PIPELINE WORK AHEAD OF OTHER UNDERGROUND CONDUIT CONSTRUCTION.

11. STORM DRAIN WORK SHALL BEGIN AT THE LOWEST POINT OF DISCHARGE AND PROCEED UPSTREAM.

12. ALL WORK INVOLVING EXCAVATION, INCLUDING THAT FOR WATER, SEWER, STORM DRAIN AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES (NOT PERMITTED IN DRIVEWAYS) SHALL BE COMPLETED AND OBSERVED AND APPROVED BY THE AGENCY HAVING JURISDICTION AND THE STRUCTURAL BACKFILL OBSERVED AND TESTED FOR COMPACTION BEFORE AGGREGATE BASE, PAVING AND OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.

13. BEFORE BEGINNING WORK, CONTRACTOR SHALL DETERMINE OR VERIFY THE LOCATION AND INVERT ELEVATION OF ALL EXISTING WATER, SEWER, AND DRAINAGE STRUCTURES AND/OR CONDUITS TO BE JOINED BY NEW CONSTRUCTION.

    BEFORE BEGINNING WORK, CONTRACTOR SHALL DETERMINE OR VERIFY THE LOCATION AND DEPTH OF ALL EXISTING STRUCTURES AND/OR CONDUITS WHICH CROSS OR OTHERWISE MAY CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR SHALL DETERMINE AND INSTALL FITTINGS, CONNECTORS, AND ADAPTERS REQUIRED TO CONNECT AT NO ADDITIONAL COST.

14. GROUNDWATER MAY BE ENCOUNTERED AT OR NEAR THE GROUND SURFACE. CONTRACTOR SHALL INSTALL DEWATERING SYSTEMS AS REQUIRED TO LOWER THE WATER LEVEL TO A MINIMUM OF 3 FEET BELOW THE BOTTOM OF EXCAVATIONS FOR ALL IMPROVEMENTS CONSTRUCTED FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR ALL SITE DEWATERING. CONTRACTOR IS RESPONSIBLE FOR PROPER PERMITTING AND DISPOSAL OF DEWATERING WATER. ALL COSTS, IMPACTS OR FINES TO THE PROJECT FROM DEWATERING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

15. ALL CONSTRUCTION DETAILS ARE CONCEPTUAL AND SUBJECT TO REVIEW AND MODIFICATION DURING FINAL DEVELOPMENT PLANS APPROVAL PROCESS.

16. ALL PROPOSED DEVELOPMENT IMPROVEMENTS SHALL CONFORM TO THE CITY OF APOPKA LAND DEVELOPMENT CODE, ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF TRANSPORTATION AND CENTRAL FLORIDA EXPRESSWAY AUTHORITY (CFX) REQUIREMENTS

17. ONSITE UTILITIES ARE SHOWN AS CONCEPTUAL ONLY, FINAL PLACEMENT WILL BE DETERMINED DURING THE FINAL DEVELOPMENT PLAN PROCESS.

18. ALL FINAL UTILITIES (ELECTRICAL, CABLE TV, GAS, TELEPHONE, ETC) SHALL BE INSTALLED UNDERGROUND. APPURTENANCES TO THESE SYSTEMS THAT ARE REQUIRED TO BE ABOVE GROUND SHALL BE EFFECTIVELY SCREENED.

19. SANITARY WASTE SERVICES WILL BE PROVIDED BY CITY OF APOPKA.

20. THE SITE IS LOCATED IN ZONE X FLOOD HAZARD ZONE, OUTSIDE OF THE 100 YEAR FLOODPLAN PER FEMA/FIRM MAP. ORANGE COUNTY, FLORIDA, COMMUNITY PANEL NUMBER 12095C 0125E, REVISED SEPTEMBER 25, 2009.

21. NO KNOWN EXISTING HISTORICAL STRUCTURES OR OTHER CULTURALLY SIGNIFICANCE ARTIFACTS WERE OBSERVED ONSITE.

22. PROJECT LANDSCAPING WILL MEET STANDARDS SET FORTH IN SECTION 2.09.9(D)(21) OF THE CITY OF APOPKA LAND DEVELOPMENT CODE. LANDSCAPE AND IRRIGATION SHALL BE IN COMPLIANCE WITH "WATER WISE ORDINANCE 2069", UNLESS OTHERWISE APPROVED BY THE CITY.

23. PROJECT LIGHTNING WILL MEET STANDARDS SET FORTH IN THE CITY OF APOPKA LAND DEVELOPMENT CODE (LDC) AND THE CITY'S DEVELOPMENT DESIGN GUIDELINES, UNLESS OTHERWISE APPROVED BY THE CITY. ALL LIGHT POLES (PARKING AND PEDESTRIAN) SHALL BE DECORATIVE IN THE STYLE WITH BASE FLUSH WITH GROUND (NO BOLLARD MOUNTED LIGHTS). PEDESTRIAN SCALED LIGHTING SHALL BE PROVIDED ALONG ALL SIDEWALK LEADING TO THE BUILDING AND ALONG THE CONCRETE SHARED PATHS.

24. PROJECT SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH THE MASTER SIGN PLAN APPROVED BY THE CITY OF APOPKA WITH THE PUD APPROVAL.

25. FIRE RESCUE WILL BE PROVIDED BY THE CITY OF APOPKA FIRE DEPARTMENT. THE FIRE DEPARTMENT STATION 4 IS APPROXIMATELY 1.3 MILES FROM THE DEVELOPMENT. AT 2750 W. ORANGE AVE, APOPKA FL. ONSITE FIRE PROTECTION WILL BE PROVIDED WITH A LOOPED WATER DISTRIBUTION SYSTEM WITH FIRE HYDRANTS. ADDITIONALLY THE BUILDING WILL BE PROTECTED WITH AN APPROVED AUTOMATIC FIRE SPRINKLE SYSTEM, FDC's AND REMOTE MONITORING ALARM SYSTEM. FIRE PROTECTION SERVICES WILL BE IN COMPLIANCE WITH THE ADOPTED CITY OF APOPKA FIRE DEPARTMENT STANDARDS AND REQUIREMENTS.

26. NO OUTSIDE STORAGE OF PARTS, SUPPLIES, MATERIALS, GOOD OR EQUIPMENT SHALL BE ALLOWED, UNLESS SCREENED FROM VIEW.

27. ALL ROOF TOP EQUIPMENT SHALL BE COMPLETELY SCREENED FROM ADJACENT PROPERTY AND PUBLIC RIGHT-OF-WAYS.

28. IF FINAL DEVELOPMENT PLAN ASSOCIATED WITH THIS MAJOR DEVELOPMENT PLAN HAS NOT BEEN APPROVED BY THE CITY WITHIN THREE (3) YEARS AFTER APPROVAL, THEN THE APPROVAL OF THIS MAJOR DEVELOPMENT PLAN WILL EXPIRE.

29. SCHOOL:
    WITHIN THE MULTI-FAMILY PORTION (APARTMENT) (312 UNITS x 0.281 STUDENTS/ UNIT)= 88 STUDENTS.

    WITHIN THE COMMERCIAL DEVELOPMENT NO RESIDENTIAL USES ARE PROPOSED. PUBLIC SCHOOL CAPACITY.

30. FOLLOWING LIST OF PERMITS, BUT NOT LIMITED TO, ARE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION:
    - CITY OP APOPKA FINAL DEVELOPMENT PLAN APPROVAL
    - FLORIDA DEPARTMENT OF TRANSPIRATION RIGHT-OF-WAY UTILITY PERMIT
    - CENTRAL FLORIDA EXPRESSWAY AUTHORITY (CFX) DRAINAGE CONNECTION PERMIT
    - FDEP POTABLE WATER SYSTEM DISTRIBUTION PERMIT
    - FDEP WASTEWATER COLLECTION SYSTEM PERMIT
    - ST. JOHNS RIVER WATER MANAGEMENT ERP.
    - NPDES PERMITTING (INCLUDING NOI AND NOT)

31. PRIOR TO COMMENCING CLEARING AND GRADING ACTIVITIES, A PERMIT/LETTER FROM THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION MUST B RECEIVED, WITH A COPY FORWARDED TO THE CITY OF APOPKA, FOR APPROVAL OF GOPHER TORTOISE SURVEY AND ANY REQUIRED REMEDIAL ACTIVITY.

32. A BI-DIRECTIONAL AMPLIFIER (BDA/DAS) SYSTEM SURVEY WILL BE REQUIRED DURING CONSTRUCTION ACCORDANCE WITH THE CITY OF APOPKA FORE DEPARTMENT REQUIREMENTS.

GRADING NOTES:

1. ALL GRADING SHALL BE IN CONFORMANCE WITH THESE PLANS, CITY OF APOPKA CONSTRUCTION STANDARDS, THERETO AND WITH THE RECOMMENDATIONS AND REFERENCED STANDARD GRADING SPECIFICATIONS CONTAINED IN THE GEOTECHNICAL REPORT(S) REFERENCED IN THE GENERAL NOTES ON THESE PLANS.

2. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A HAZARD TO VEHICULAR TRAFFIC OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS, IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS. DUST ABATEMENT MEASURES SHALL BE CONTINUED UNTIL RELIEF IS GRANTED BY THE INSPECTOR.

3. AREAS TO BE GRADED IN ACCORDANCE WITH THE GRADING AND CLEARING PLANS, THE GRADING, PAVING, AND DRAINAGE PLAN, SITE SHALL BE CLEARED OF ALL VEGETATION (EXCEPT TREES INDICATED TO REMAIN), INCLUDING ROOTS AND ROOT STRUCTURES, OTHER ORGANIC MATERIAL, DEBRIS, NON-COMPLYING FILL, AND OTHER MATERIAL UNSUITABLE FOR SUPPORT OF FILL AND/OR PROPOSED IMPROVEMENTS.

4. BEFORE BEGINNING WORK REQUIRING EXPORTING OR IMPORTING OF MATERIALS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY AND EOR FOR HAUL ROUTES USED AND METHODS PROVIDED TO MINIMIZE THE DEPOSIT OF SOILS ON PUBLIC ROADS. THE CITY SHALL MONITOR THIS REQUIREMENT WITH THE CONTRACTOR. CONTRACTOR SHALL IMMEDIATELY CLEAN UP ALL SPILLS AND TRACKING.

5. UNSUITABLE SOILS ENCOUNTERED DURING GRADING SHALL BE EXCAVATED AND REPLACED.

   OVERWET AND/OR PUMPING AREAS ENCOUNTERED DURING GRADING SHALL BE REVIEWED FOR CORRECTIVE MEASURES BY THE CITY AND EOR. CONTRACTOR IS RESPONSIBLE FOR DRYING OR WETTING SOIL AS REQUIRED TO OBTAIN OPTIMUM WATER CONTENT FOR COMPACTION. ALL COST FOR MOISTURE CONDITIONING SOIL SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

6. FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 12-INCHES IN LOOSE THICKNESS, BE MOISTENED OR DRIED AS REQUIRED AND BE COMPACTED TO THE MINIMUM RELATIVE COMPACTION. THINNER LIFTS MAY BE NECESSARY TO ACHIEVE THE REQUIRED MINIMUM COMPACTION.

7. FILL AND BACKFILL MATERIAL SHALL BE COMPACTED AT LEAST TO THE SPECIFIED RELATIVE COMPACTION BUT IN NO CASE TO LESS THAN 95% OF MAXIMUM DENSITY, DETERMINED IN CONFORMANCE WITH AASHTO T180 AND T 99, LATEST REVISION. SOME AREAS REQUIRE COMPACTION TO GREATER DENSITY AS CALLED FOR ON THESE PLANS OR THE AGENCY HAVING JURISDICTION.

8. FINISH CUT SLOPES, FILL SLOPES AND COMBINATION CUT AND FILL SLOPES SHALL NOT EXCEED A GRADE OF 4 HORIZONTAL TO 1 VERTICAL UNLESS SPECIFICALLY CALLED FOR ON THESE PLANS. LOWER POND SLOPES AND DRAINAGE DITCHES CAN BE EXCAVATED TO 2 HORIZONTALS TO 1 VERTICAL, WHERE CALLED FOR ON THE PLANS OR APPROVED IN WRITING IN ADVANCE OF CONSTRUCTION.

9. ALL GRADED AREAS SHALL BE PLANTED IN CONFORMANCE WITH THE APPROVED LANDSCAPING PLAN, IF APPLICABLE AND SHALL OTHERWISE BE PLANTED WITH SOD OR PLANTINGS AS APPROVED BY THE CITY AND EOR AND SHALL BE DENSE AND GROWING PRIOR TO FINAL INSPECTION.

10. IF NOT DIMENSIONED, LOCATION OF FINISH GRADE ELEVATIONS AND FEATURES SUCH AS SWALES, RIDGE LINES, ETC. SHALL BE DETERMINED BY SCALE FROM KNOWN POINTS SHOWN ON THE PLANS. UNIFORM GRADIENTS OR VERTICAL CURVES, AS APPROPRIATE, SHALL BE ASSUMED BETWEEN CONTROL ELEVATIONS SHOWN ON THE PLANS.

11. PLAN ELEVATIONS SHOWN ON SOIL AND LANDSCAPED AREAS ARE FINISH GRADE (FINISH SURFACE) ELEVATIONS INTENDED TO ESTABLISH FINAL SURFACE DRAINAGE CONTROL FOR THESE AREAS. DURING GRADING OPERATIONS, THICKNESSES SPECIFIED BY LANDSCAPE ARCHITECT FOR TURF, WOOD CHIPS, MULCH, ETC. SHALL BE SUBTRACTED FROM THESE ELEVATIONS TO ESTABLISH FINISH SOIL GRADE.

12. PLAN ELEVATIONS SHOWN ON WALKWAYS, RAMPS, STEPS AND OTHER HARDSCAPE ARE INTENDED TO ESTABLISH GRADING AND SURFACE DRAINAGE CONTROL FOR THESE IMPROVEMENTS. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PERFORM DETAILED LAYOUT FOR AND TO CONSTRUCT WALKWAYS, RAMPS, STEPS, AND OTHER HARDSCAPE IN CONFORMANCE WITH ALL BUILDING CODE AND ACCESSIBILITY REQUIREMENTS INCLUDING THOSE FOR DIMENSIONING, SLOPE, CROSS-SLOPE, SURFACE TEXTURE, WARNING CURBS, AND HAND-RAILS.

13. SITE FINISH GRADING SHALL BE COMPLETED AND CONFIRMED BY SURVEY TO CONFORM TO APPROVED PLANS AND SPECIFICATIONS BEFORE LANDSCAPING AND IRRIGATION CONSTRUCTION CAN BEGIN.

    LANDSCAPE CONTRACTOR SHALL REMOVE FROM THE SITE AND PROPERLY DISPOSE OF ALL EARTH SPOIL FROM PLANT HOLES AND PIPE TRENCHES. EXCESS SOIL AND/OR MULCH SHALL NOT BE PLACED OR SPREAD AT THE SITE, BUT REMOVED AND PROPERLY DISPOSED.

14. PAVEMENT STRUCTURAL SECTIONS SHALL BE AS SHOWN ON THESE PLANS.

15. THE UPPER 12 INCHES OF FILL OR NATIVE SOIL BELOW THE BOTTOM OF BASE OR SUBBASE COURSE (BELOW SUBGRADE) IN PAVEMENT AREAS, AND THE UPPER 6 INCHES OF FILL OR NATIVE SOIL BELOW THE CONCRETE IN WALKWAY AREAS SHALL BE COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DENSITY.

16. BEFORE PLACEMENT OF BASE OR SUBBASE MATERIAL IN PAVEMENT AREAS, THE SUBGRADE SOIL SHALL BE DENSITY TESTED BY THE CONTRACTOR AND REVIEWED BY THE EOR.

17. SURFACE SOILS CONTAINING ORGANIC MATERIAL MAY BE STOCKPILED FOR FUTURE USE BY THE LANDSCAPE CONTRACTOR; HOWEVER, THIS OPERATION SHALL BE COORDINATED SO THAT UPON COMPLETION OF THE PROJECT, ALL EXCESS MATERIAL IS REMOVED FROM THE JOB SITE AND FINISH GRADES ARE AS CALLED FOR ON THE PLANS.

18. QUALITY REVIEW AND REPORTING REQUIREMENTS

    A. CONTRACTOR SHALL CONDUCT STRINGLINE TESTING OF SUBGRADE, BASE, AND FINAL ASPHALT IN CONSTRUCTION WITH THE EOR.

19. BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES: ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOWS, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSE, OR WIND. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS MUST BE MADE TO RETAIN CONCRETE WASTES ONSITE UNTIL THEY CAN BE DISPOSED AS A SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED WASTE RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIAL MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITION MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO MINIMIZE EROSION BY WIND AND WATER.

20. CONTRACTOR IS REQUIRED TO REVIEW TOPOGRAPHIC MAPPING AND CONFIRM EXISTING TOPOGRAPHIC MAPPING IS CONSISTENT WITH THE CONDITION OF THE SITE ENCOUNTERED BY THE CONTRACTOR. DISCREPANCIES FOUND WITH THE EXISTING TOPOGRAPHIC MAPPING MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF ANY GRADING. ONCE GRADING COMMENCES, THE CONTRACTOR HAS ACCEPTED THE EXISTING TOPOGRAPHIC MAPPING AS ACCURATE AND REPRESENTATIVE OF THE EXISTING CONDITIONS ASSUMED BY THE CONTRACTOR.

STORM DRAIN NOTES:

1. ALL PUBLIC STORM DRAIN MATERI

DEVELOPMENT NOTES

1. ALL CONSTRUCTION DETAILS ARE CONCEPTUAL AND SUBJECT TO REVIEW AND MODIFICATION DURING THE FINAL DEVELOPMENT PLAN APPROVAL PROCESS.
2. ALL PROPOSED DEVELOPMENT IMPROVEMENTS SHALL CONFORM TO THE CITY OF APOPKA LAND DEVELOPMENT CODE AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT REQUIREMENTS.
3. THE DESIGN AND CONSTRUCTION OF STORMWATER MANAGEMENT SYSTEMS, WATER AND SEWER SYSTEMS, UTILITIES, AND EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA CONSTRUCTION DESIGN STANDARDS MANUAL.
4. ONSITE UTILITIES ARE SHOWN AS CONCEPTUAL ONLY. FINAL PLACEMENT WILL BE DETERMINED DURING THE FINAL DEVELOPMENT PLAN PROCESS.
5. ALL PROPOSED UTILITIES (ELECTRICAL, CABLE TV, GAS, TELEPHONE, ETC.) SHALL BE INSTALLED UNDERGROUND. APPURTENANCES TO THESE SYSTEMS THAT ARE REQUIRED TO BE ABOVE GROUND SHALL BE EFFECTIVELY SCREENED.
6. SANITARY WASTE SERVICES WILL BE PROVIDED BY THE CITY OF APOPKA.
7. STORMWATER MANAGEMENT FACILITIES WILL BE PROVIDED FOR ONSITE, AND DESIGN WILL BE DETERMINED WITH THE FINAL DEVELOPMENT PLAN PROCESS.
8. THIS SITE IS LOCATED IN ZONE X (FLOOD HAZARD ZONE), OUTSIDE OF THE 100-YEAR FLOODPLAIN PER FEMA/FIRM MAP, ORANGE COUNTY, FLORIDA, COMMUNITY PANEL NO.12095C0125H, REVISED SEPTEMBER 24, 2021 AND COMMUNITY PANEL NO. 12095C0110H, REVISED SEPTEMBER 24, 2021.
9. PER USDA SOIL CONSERVATION SERVICE CLASSIFICATION SYSTEM, SOIL SURVEY MAPS AND ONSITE SOILS ARE SHOWN ON SHEET S1.0 (AERIAL, SOILS, AND FLUCCS).
10. NO EXISTING JURISDICTIONAL WETLANDS OR OTHER POTENTIAL ENVIRONMENTAL CONDITIONS WERE OBSERVED ONSITE, PER THE ECOLOGICAL ASSESSMENT REPORT PREPARED BY BIO-TECH CONSULTING, INC.
11. NO KNOWN EXISTING HISTORICAL STRUCTURES OR OTHER CULTURALLY SIGNIFICANT ARTIFACTS WERE OBSERVED ONSITE.
12. PROJECT LANDSCAPING WILL MEET STANDARDS SET FORTH IN SECTION 2.09.19(D)(21) OF THE CITY OF APOPKA LAND DEVELOPMENT CODE. LANDSCAPE AND IRRIGATION SHALL BE IN COMPLIANCE WITH "WATER WISE ORDINANCE 2089", UNLESS OTHERWISE APPROVED BY THE CITY.
13. PROJECT LIGHTING WILL MEET STANDARDS SET FORTH IN THE CITY OF APOPKA LAND DEVELOPMENT CODE (LDC) AND THE CITY'S DEVELOPMENT DESIGN GUIDELINES, UNLESS OTHERWISE APPROVED BY THE CITY. ALL LIGHT POLES (PARKING AND PEDESTRIAN) SHALL BE DECORATIVE IN STYLE WITH BASES FLUSH WITH THE GROUND (NO BOLLARD-MOUNTED LIGHTS). PEDESTRIAN-SCALED LIGHTING SHALL BE PROVIDED ALONG ALL SIDEWALKS LEADING TO BUILDINGS AND ALONG THE CONCRETE SHARED PATHS.
14. PROJECT SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH THE MASTER SIGN PLAN APPROVED BY THE CITY OF APOPKA WITH THE PUD APPROVAL.
15. FOR PARCEL 5, TRASH COMPACTORS ARE PROVIDED FOR REFUSE COLLECTION. REFUSE WILL BE COLLECTED BY A LOCAL APPROVED FRANCHISE ON A WEEKLY BASIS.
16. FIRE RESCUE WILL BE PROVIDED BY THE CITY OF APOPKA FIRE DEPARTMENT. FIRE STATION 4 IS APPROXIMATELY 1.3 MILES FROM THE DEVELOPMENT AT 2750 W. ORANGE AVE, APOPKA, FL. ONSITE FIRE PROTECTION WILL BE PROVIDED WITH A LOOPED WATER DISTRIBUTION SYSTEM WITH FIRE HYDRANTS. ADDITIONALLY, BUILDINGS WILL BE PROTECTED WITH APPROVED AUTOMATIC FIRE SPRINKLER SYSTEMS, FDC'S, AND REMOTE MONITORING ALARM SYSTEMS. FIRE PROTECTION SERVICES WILL COMPLY WITH THE ADOPTED CITY OF APOPKA FIRE DEPARTMENT STANDARDS AND REQUIREMENTS.
17. NO OUTSIDE STORAGE OF PARTS, SUPPLIES, MATERIALS, GOODS, OR EQUIPMENT SHALL BE ALLOWED UNLESS SCREENED FROM VIEW.
18. ALL ROOFTOP EQUIPMENT SHALL BE COMPLETELY SCREENED FROM ADJACENT PROPERTY AND PUBLIC RIGHTS-OF-WAY.
19. SCHOOLS:
    – WITHIN THE COMMERCIAL DEVELOPMENT, NO RESIDENTIAL USES ARE PROPOSED. PUBLIC SCHOOL CAPACITY IS NOT REQUIRED.
20. THE FOLLOWING LIST OF PERMITS (BUT NOT LIMITED TO) ARE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION:
    – CITY OF APOPKA FINAL DEVELOPMENT PLAN APPROVAL
    – FDEP POTABLE WATER SYSTEM DISTRIBUTION PERMIT
    – FDEP WASTEWATER COLLECTION SYSTEM PERMIT
    – ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT
    – NPDES PERMITTING (INCLUDING NOI AND NOT)
21. PRIOR TO COMMENCING CLEARING AND GRADING ACTIVITIES, A PERMIT/LETTER FROM THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION MUST BE RECEIVED—WITH A COPY FORWARDED TO THE CITY OF APOPKA—FOR APPROVAL OF A GOPHER TORTOISE SURVEY AND ANY REQUIRED REMEDIAL ACTIVITY.
22. A BI-DIRECTIONAL AMPLIFIER (BDA/DAS) SYSTEM SURVEY WILL BE REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH CITY OF APOPKA FIRE DEPARTMENT REQUIREMENTS.

CUMULATIVE DEVELOPMENT PROGRAM

PARCEL/TRACK	USE	ARE (AC)	IMPERVIOUS (AC)	IMP. %	PERVIOUS (AC)	PER. %	OWN AND MAINTAIN	NOTES
PARCEL 1	COMMERCIAL RETAIL	4.006	0.069	1.72	3.937	98.2	POA	
PARCEL 2	COMMERCIAL RETAIL	6.626	0.052	0.78	6.574	99.2	POA	
PARCEL 3	HOTEL, COMMERCIAL RETAIL	3.119	0.000	0.00	3.119	100.0	POA	
PARCEL 4	MULTI-FAMILY APARTMENTS	30.766	7.840	25.5	22.926	74.5	POA	
PARCEL 5	**FLEX SPACE**	**2.910**	**2.140**	**73.57**	**0.77**	**26.4**	**POA**	
PARCEL 6	YMCA, COMMERCIAL	3.034	0.000	0.0	3.034	100.0	POA	
PARCEL 7	ASSISTED LIVING FACILITIES	5.854	0.000	0.0	5.854	100.0	POA	
TRACT B	OPEN SPACE	0.100	0.000	0.0	0.1	100.0	POA	
TRACT C1	STORMWATER MANAGEMENT / OPEN SPACE	1.844	0.042	2.3	1.8020	97.7	CITY OWNED/ POA MAINTAINED	
TRACT C2	OPEN SPACE	0.326	0.006	1.8	0.32	98.2	CITY OWNED/ POA MAINTAINED	
TRACT D	STORMWATER MANAGEMENT / OPEN SPACE	1.959	0.000	0.0	1.959	100.0	POA	
TRACT E	STORMWATER MANAGEMENT / OPEN SPACE	1.397	0.000	0.0	1.397	100.0	POA	
TRACT F	OPEN SPACE	2.493	0.000	0.0	2.493	100.0	POA	
TRACT G	STORMWATER MANAGEMENT / OPEN SPACE	3.884	0.000	0.0	3.884	100.0	POA	
TRACT H	STORMWATER MANAGEMENT / OPEN SPACE	2.402	0.000	0.0	2.402	100.0	POA	
TRACT LS	SANITARY LIFT STATION	0.078	0.061	78.2	0.017	21.8	CITY	
FLORIDIAN TOWN CENTER R/W-SOUTHERN PORTION	CITY ROAD RIGHT-OF-WAY	1.445	1.206	83.5	0.239	16.5	CITY	
MAIN ENTRANCE OFF 429 CONNECTOR ROAD	CITY ROAD RIGHT-OF-WAY	0.308	0.204	66.2	0.104	33.8	CITY	
FLORIDIAN TOWN CENTER R/W - NORTHERN PORTION, SOUTHFORK AND KIOWA AVE R/W	CITY ROAD RIGHT-OF-WAY	4.031	1.970	48.9	2.061	51.1	CITY	
WILLIAMS FAMILY COURT R/W	CITY ROAD RIGHT-OF-WAY	0.257	0.157	61.1	0.1	38.9	CITY	
EXISTING SOUTHFORK ROAD R/W	CITY ROAD RIGHT-OF-WAY	0.790	0.424	53.7	0.366	46.3	CITY	
TOTALS (1)		77.727	14.171	18.2	63.458	81.8		

1. TOTAL LAND BEING DEVELOPED AS PART OF THIS PROJECT. THIS INCLUDES SOME LAND OWNED BY THE CITY OF APOPKA. TOTALS SHOWN ARE SITE WIDE ACCUMULATIVE NUMBERS
2. PERCENT FOR IMPERVIOUS AND PERVIOUS AREAS SHOWN TRACT BY TRACT

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SITE DATA & DEVELOPMENT NOTES

MARRIOTT FAIRFIELD TOWNEPLACE SUITES

NWC OF STATE ROAD 429 & CONNECTOR RD

APOPKA, FLORIDA 33712

CITY OF APOPKA

ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

SCALE	AS SHOWN
JOB No.	011589-01-001
DATE	9/22/2025

GENERAL NOTES

SHEET No. G1.1

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LEGEND

EXISTING SOILS LIMITS, PER USDA NATURAL RESOURCES CONSERVATION SERVICE MAPS

SOILS LEGEND

46 TRAVARES FINE SAND, 0%-5% SLOPES

47 TRAVARES-MILLHOPPER FINE SAND, 0%-5% SLOPES

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GRAPHIC SCALE
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(IN FEET)
SCALE: 1" = 30'

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AERIAL, SOILS & FLUCCS
MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712
CITY OF APOPKA
ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

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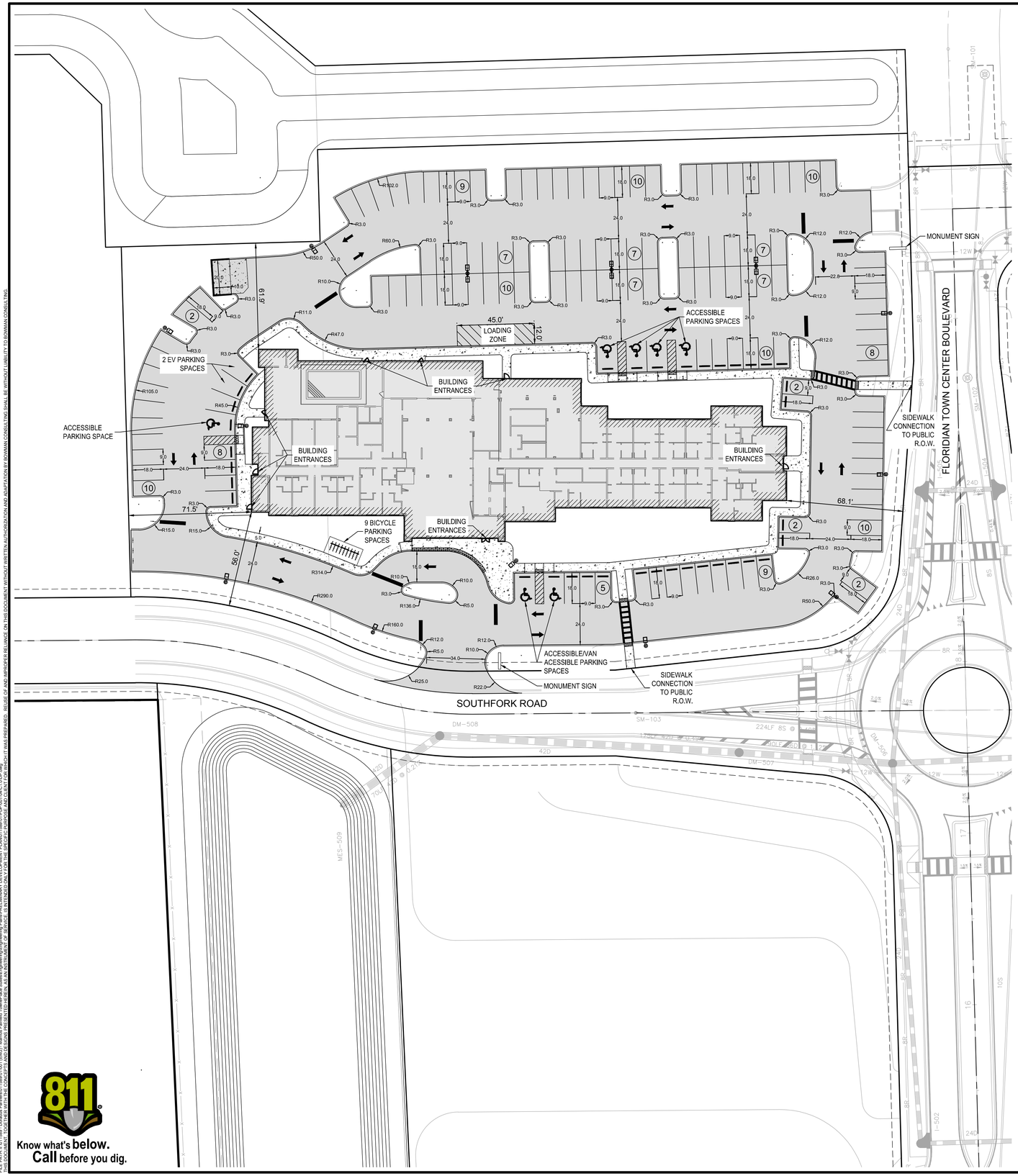


SITE DATA

THE PROPOSED PROJECT IS A HOTEL COMMERCIAL DEVELOPMENT OF EXISTING ABANDON AGRICULTURAL NURSERIES AND VACANT PROPERTY. IMPROVEMENTS WILL OCCUR IN ONE PHASE CONSISTING OF CONSTRUCTION OF BUILDING, PAVED PARKING AND DRIVE AISLES, SIDEWALKS, ASSOCIATED UTILITIES, AND LANDSCAPING.

CURRENT LOCAL JURISDICTION:	CITY OF APOPKA
CURRENT LAND USE CLASSIFICATION:	COMMERCIAL
CURRENT ZONING CLASSIFICATION:	PLANNED DEVELOPMENT (PD)
PROPOSED ZONING:	PLANNED DEVELOPMENT (PD)
FLOOD ZONE CLASSIFICATION:	ZONE X FIRM PANEL NO. : 12095C0125H & 12095C0110H DATED : 9/24/2024

SURROUDING ZONING:

DIRECTION	PROPERTY USE	LAND USE	ZONING	JURISDICTION
NORTH	RESIDENTIAL	SINGLE FAMILY ESTATE	RSF-1A	CITY OF APOPKA
EAST	SR429	STATE ROAD		FLORIDA DEPARTMENT OF TRANSPORTATION
SOUTH	RESIDENTIAL	MIXED USE-EAST SHORE-GATEWAY	MU-ES-GT	CITY OF APOPKA
WEST	RESIDENTIAL	SINGLE FAMILY	A-1	ORANGE COUNTY

FUTURE LAND USE (FLU) DESIGNATION:	COMMERCIAL
EXISTING LAND USE:	UNDEVELOPED LAND AND ABANDON NURSERY

BUILDING DATA

BUILDING SETBACKS:

DIRECTION	REQUIRED SETBACK	PROVIDED SETBACK
FRONT (SOUTH)	8' FEET	56.1 FEET
SIDE (WEST)	0' FEET	71.5 FEET
SIDE (EAST)	20 FEET	68.0 FEET
REAR (NORTH)	10' FEET	103.7 FEET

BUILDING HEIGHT (FINISHED FLOOR TO ROOF): MAXIMUM BY CODE EXISTING BUILDING	46' 6" 50', 4 STORIES N/A
NO. OF STORIES	4

BUILDING HEIGHTS HAVE BEEN MEASURED PER FLORIDA BUILDING CODE AS MEAN HEIGHT ABOVE FINISH FLOOR.

GENERAL NOTES

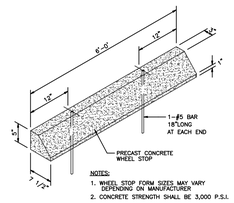
1. FIVE FOOT WIDE CONCRETE SIDEWALKS ARE REQUIRED ON ALL STREET FRONTAGES. ANY DAMAGED, CRACKED, OR BROKEN SIDEWALKS OR CURBS SHALL BE REPLACED PRIOR TO FINAL COMPLETION.
2. THE OWNER IS RESPONSIBLE FOR MEETING ALL PROVISIONS OF ADA AND FLORIDA ACCESSIBILITY CODE.
3. FENCING SHALL MEET ALL CITY REQUIREMENTS FOR HEIGHT, TYPE, ETC. CHAIN LINK FENCING SHALL BE VINYL COATED PER CODE.
4. ALL CONSTRUCTION SHALL CONFORM TO CITY OF APOPKA STANDARDS, SPECIFICATIONS, AND ORDINANCES.
5. CITY OF APOPKA WILL INSPECT PRIVATE SITE IMPROVEMENTS ONLY TO THE EXTENT THAT THEY CONNECT TO CITY OWNED/MAINTAINED SYSTEMS (ROADWAYS, DRAINAGE, UTILITIES, ETC.). IT IS THE RESPONSIBILITY OF THE OWNER AND DESIGN ENGINEER TO ENSURE SPECIFICATIONS. THE CITY IS NOT RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF PRIVATELY OWNED SYSTEMS, TO INCLUDE, BUT NOT LIMITED TO, ROADWAYS, PARKING LOTS, DRAINAGE, STORMWATER PONDS, OR ON-SITE UTILITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION, LOCATION, AND PROTECTION OF ALL UTILITIES THAT MAY EXIST WITHIN THE PROJECT LIMITS.

TRANSPORTATION IMPACT TABLE

Hotel Trip Generation

Land Use	Land Use Code[1]	Intensity	Units	Time Period	Average Rate[1]	Development Trips[1] In	Out	Total
Proposed: Hotel	310	137	Rooms	AM [2]	0.46	35	28	63
				PM [2]	0.59	41	40	81

(1) Based on the Institute of Transportation Engineers Trip Generation, 11th Edition
(2) Peak Hour of Adjacent Street



WHEEL STOP DETAIL

SITE AREA CALCULATIONS

AREA	EXISTING	PROPOSED
TOTAL PROPERTY AREA	±126,700 SF (±2.91 AC)	±126,700 SF (±2.91 AC)
BUILDING	0 SF	±23,990 SF (±0.55 AC)
SIDEWALK / PAVEMENT	0 SF	±69,220 SF (±1.59 AC)
TOTAL IMPERVIOUS	0 SF	±93,210 SF (±2.14 AC)
POND	0 SF	0 SF
OPEN SPACE	±126,700 SF (±2.91 AC)	±33,490 SF (±0.77 AC)
TOTAL PERVIOUS	±126,700 SF (±2.91 AC)	±33,490 SF (±0.77 AC)

REQUIRED OPEN SPACE PER THE APPROVED PUD MASTER PLAN, A TOTAL OF 30% OPEN SPACE IS REQUIRED CUMULATIVELY OVER THE ENTIRE FLORIDIAN TOWN CENTER LAND DEVELOPMENT AREA. OPEN SPACE PROVIDED WITHIN PARCEL 5 AREA IS 33,490 SF (0.77 ACRES).

IMPERVIOUS AREA: MAXIMUM ALLOWABLE IMPERVIOUS SURFACE RATIO 80% FOR PARCEL 5.

MAXIMUM ALLOWED:	(2.91 AC * 80%) = 2.33 ACRES

PROPOSED LEGEND

- PROPERTY LINE
- 6' OPAQUE FENCE
- 4' DECORATIVE FENCE
- KNEE WALL
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
- LIGHT POLE

N

GRAPHIC SCALE
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(IN FEET)
SCALE: 1" = 30'

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DEVELOPMENT PLAN
MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712
CITY OF APOPKA
ORANGE COUNTY

PLAN STATUS	
DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD
SCALE		AS SHOWN
JOB No.		011589-01-001
DATE		9/22/2025

DEVELOPMENT PLAN

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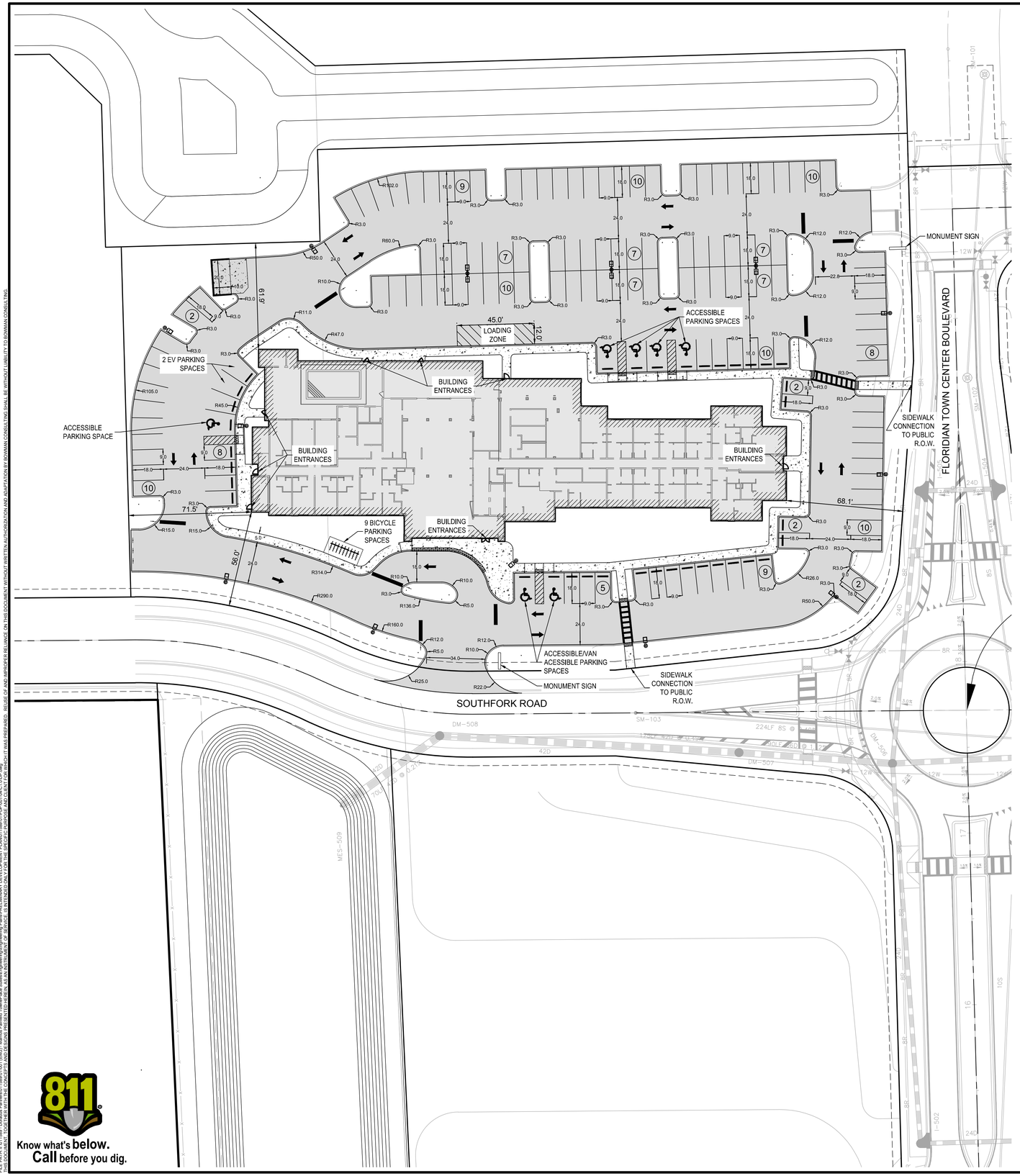

PROPOSED PARKING DATA

EXISTING PARKING SPACES	NONE

HANDICAP PARKING SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE (FAC). SECTION 208.2 OUTLINES THE TOTAL REQUIRED HANDICAP PARKING SPACES ON TABLE 208.2. REQUIRING A MINIMUM OF X HC SPACES.

REQUIRED PARKING:
HOTEL OR MOTEL: 1/GUEST ROOM + 1/2 EMPLOYEES + 1/200 SF OF RESTAURANT SPACE OR MEETING OR BANQUET AREA

NUMBER OF GUEST ROOMS =	137 SPACES
NUMBER OF EMPLOYEES / 2 =	5 SPACES
SF OF REST/ MEET/ BANQUET ROOM / 200 SF =	0 SPACES
TOTAL PARKING REQUIRED	142 SPACES
PROPOSED STANDARD SPACES 9'X18'	133 SPACES
PROPOSED ACCESSIBLE SPACES 12'X18'	7 SPACES
PROPOSED EV SPACES	2 SPACES
TOTAL PARKING PROVIDED	142 SPACES

ELECTRIC CAR PARKING TO BE EVENLY SPACED THROUGHOUT DEVELOPMENT AND FINAL LOCATIONS MAY BE SHIFTED OR ADJUSTED AT TIME OF FINAL ENGINEERING.

PROPOSED BICYCLE PARKING DATA

REQUIRED BICYCLE PARKING:	
SHORT TERM =	2 SPACES
LONG TERM =	7 SPACES
TOTAL PARKING REQUIRED	9 SPACES
PROPOSED BICYCLE PARKING:	
SHORT TERM =	2 SPACES
LONG TERM =	7 SPACES
TOTAL PARKING PROPOSED =	9 SPACES

PARKING NOTES

PARKING SHOWN CONTAINS 90° PARKING SPACES.
TYPICAL DIMENSIONS: PROPOSED SPACES: 9' X 18'
PROPOSED ONE WAY ENTRANCE DRIVE AISLES: 14'
CITY OF APOPKA ONE WAY REQUIRED DRIVE AISLES: 18'

N

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PARKING PLAN
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NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712
CITY OF APOPKA
ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

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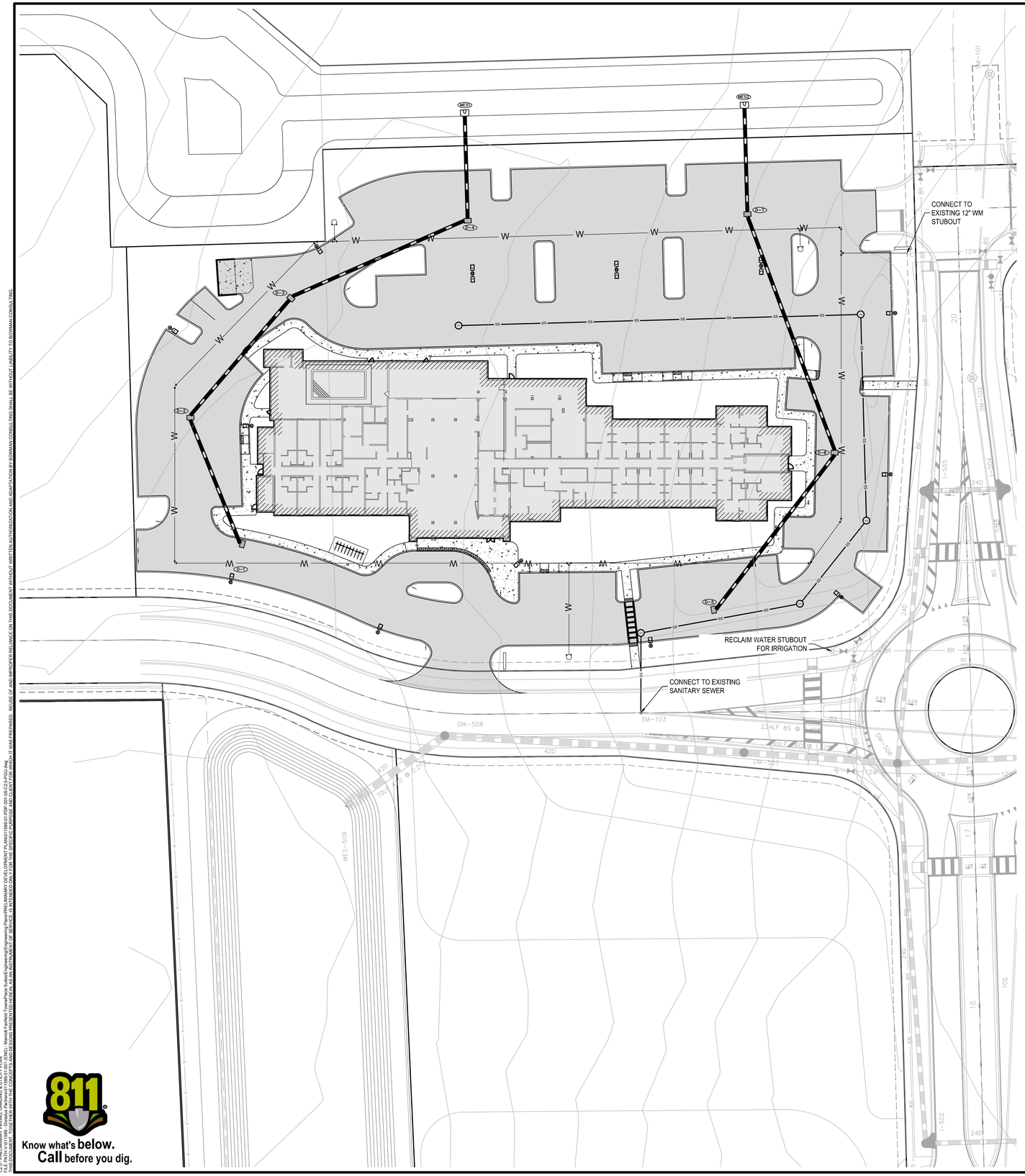

PROPOSED LEGEND

- PROPERTY LINE
- W — WATER LINE
- SS — SEWER LINE
- DRAINAGE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
- LIGHT POLE

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PRELIMINARY PAVING, GRADING & UTILITY PLAN

MARRIOTT FAIRFIELD TOWNEPLACE SUITES

NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712

CITY OF APOPKA

ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

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DATE	9/22/2025

PRELIMINARY PAVING, GRADING & UTILITY PLAN

SHEET No. C2.0

Mar 4, 2026
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FIRE TRUCK

APOPKA COBRA	
Overall Length	47.640ft
Overall Width	8.410ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.656ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	46.00°

N

B

GRAPHIC SCALE
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FIRE TRUCK MOVEMENT PLAN
MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712

CITY OF APOPKA

PLAN STATUS

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FIRE TRUCK MOVEMENT PLAN

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Date/Time: 9/22/2025 4:46:47 PM Plotted By: Kaitlyn Sheehan

GARBAGE TRUCK

Hino 338 M + Wayne Royal GT14 Refuse Truck

Overall Length	27.883ft
Overall Width	8.042ft
Overall Body Height	10.488ft
Min Body Ground Clearance	1.318ft
Track Width	8.042ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	27.400ft

N

GRAPHIC SCALE

0 15' 30' 60'

(IN FEET)

SCALE: 1" = 30'

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GARBAGE TRUCK MOVEMENT PLAN

MARRIOTT FAIRFIELD TOWNEPLACE SUITES

NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712

CITY OF APOPKA

ORANGE COUNTY

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GARBAGE TRUCK MOVEMENT PLAN

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DETAILS - COVER

MARRIOTT FAIRFIELD TOWNEPLACE SUITES

NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712

CITY OF APOPKA

PLAN STATUS

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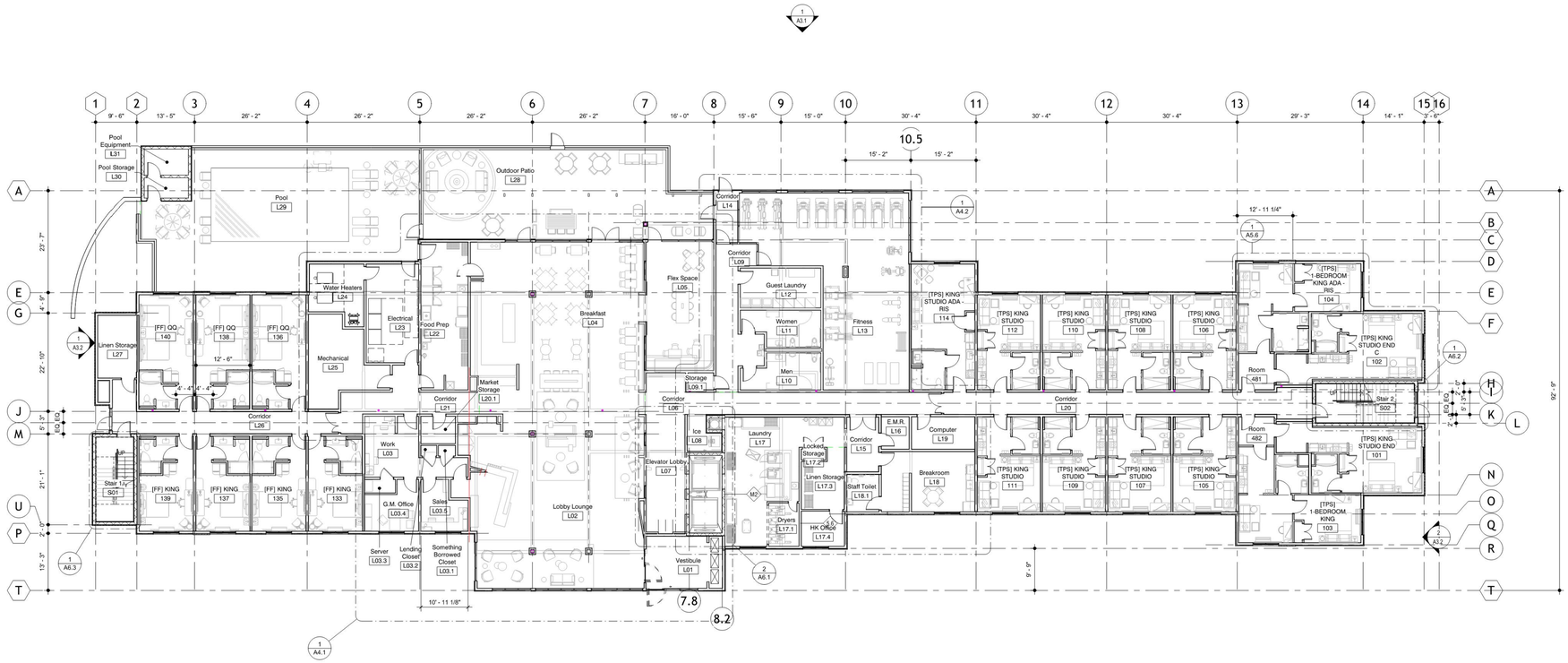

1 Level 1 Floor Plan
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

A. REFER TO ENLARGED PLANS FOR DETAILED INFORMATION ON PARTITION TYPES AND DIMENSIONS.

B. LOBBY LEVEL FINISH DATUM OF 0'-0" IS EQUIVALENT TO ___ ON CIVIL DRAWING SET.

C. ALL FURNITURE & EQUIPMENT SHOWN FOR REFERENCE ONLY.

D. MOUNTING HEIGHT OF FIRE EXTINGUISHER CABINETS SHALL BE THAT NO OPERABLE PART IS HIGHER THAN 48" A.F.F.

E. MAGNETIC DOOR HOLD OPENERS TO BE TIED TO FIRE ALARM SYSTEM. REFER TO DRAWING A7.02.

FLOOR PLAN LEGEND

- GRIDLINE - CENTER OF COLUMN/STUD
- GRIDLINE - FACE OF COLUMN/STUD
- WALL PARTITION; SEE A7.01
- ADA ACCESSIBLE ROOM
- HEARING-IMPAIRED ROOM
- FE-1 FULLY RECESSED FIRE EXTINGUISHER CABINET
- FE-2 SEMI RECESSED FIRE EXTINGUISHER CABINET
- FE-3 BRACKET MOUNTED FIRE EXTINGUISHER
- RFID CARD READER

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SHEET INFO: DRAWING TITLE: Lobby Level Floor Plan
JOB NO.: 598
SHEET NO.: A2.1

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DETAILS - LOBBY LEVEL FLOOR PLAN
MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE ROAD 429 & CONNECTOR RD
APOPKA, FLORIDA 33712
CITY OF APOPKA

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

SCALE	AS SHOWN
JOB No.	011589-01-001
DATE	9/22/2025

DETAILS - LOBBY LEVEL FLOOR PLAN
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Nov 5, 2025
DWG = DETAILS - LOBBY LEVEL FLOOR PLAN
FILE PATH = P:\011589 - Shadia Dahmash\1589-01-001 ENG\1- Manual Folders\1 Drawings\Plans\PR\PRELIMINARY DEVELOPMENT PLANS\1589-01-DEP-D1.01 LOBBY LEVEL FLOOR PLAN.dwg
PLOTTED = Nov 05, 2025 @ 03:21:13 PM by Kyle Sanchez
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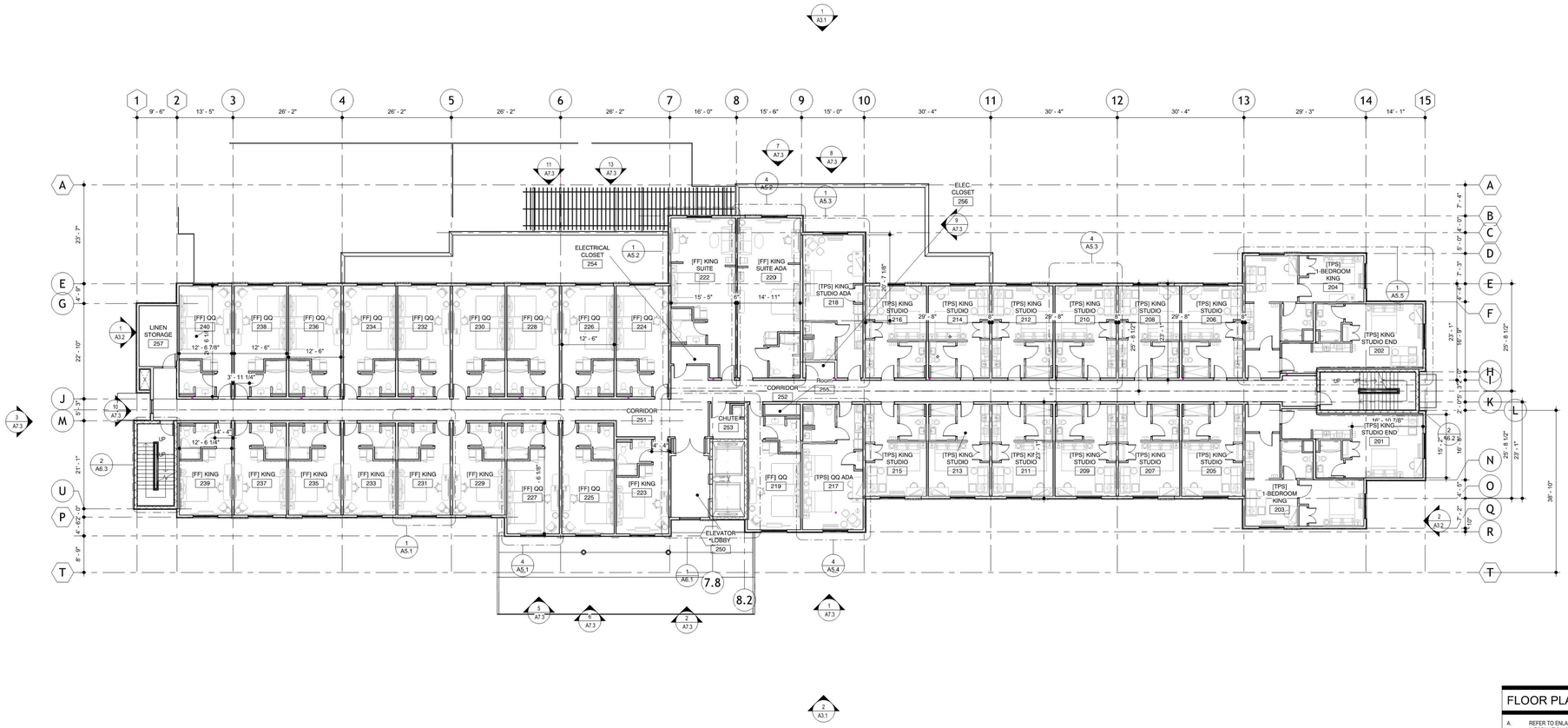

1 Level 2
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

A. REFER TO ENLARGED PLANS FOR DETAILED INFORMATION ON PARTITION TYPES AND DIMENSIONS.

B. LOBBY LEVEL FINISH DATUM OF 0'-0" IS EQUIVALENT TO ___ ON CIVIL DRAWING SET.

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D. MOUNTING HEIGHT OF FIRE EXTINGUISHER CABINETS SHALL BE THAT NO OPERABLE PART IS HIGHER THAN 48" A.F.F.

E. MAGNETIC DOOR HOLD OPENERS TO BE TIED TO FIRE ALARM SYSTEM. REFER TO DRAWING A7.02.

FLOOR PLAN LEGEND

- GRIDLINE - CENTER OF COLUMN/STUD
- GRIDLINE - FACE OF COLUMN/STUD
- WALL PARTITION, SEE A7.01
- ADA ACCESSIBLE ROOM
- HEARING-IMPAIRED ROOM
- FE-1 FULLY RECESSED FIRE EXTINGUISHER CABINET
- FE-2 SEMI RECESSED FIRE EXTINGUISHER CABINET
- FE-3 BRACKET MOUNTED FIRE EXTINGUISHER
- RFID CARD READER

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SHEET INFO
DRAWING TITLE: Typical Level Floor Plan
JOB NO.: 598
SHEET NO.: A2.2

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DETAILS - TYP. LEVEL FLOOR PLAN
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ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

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DATE: 9/22/2025
DETAILS - TYP. LEVEL FLOOR PLAN
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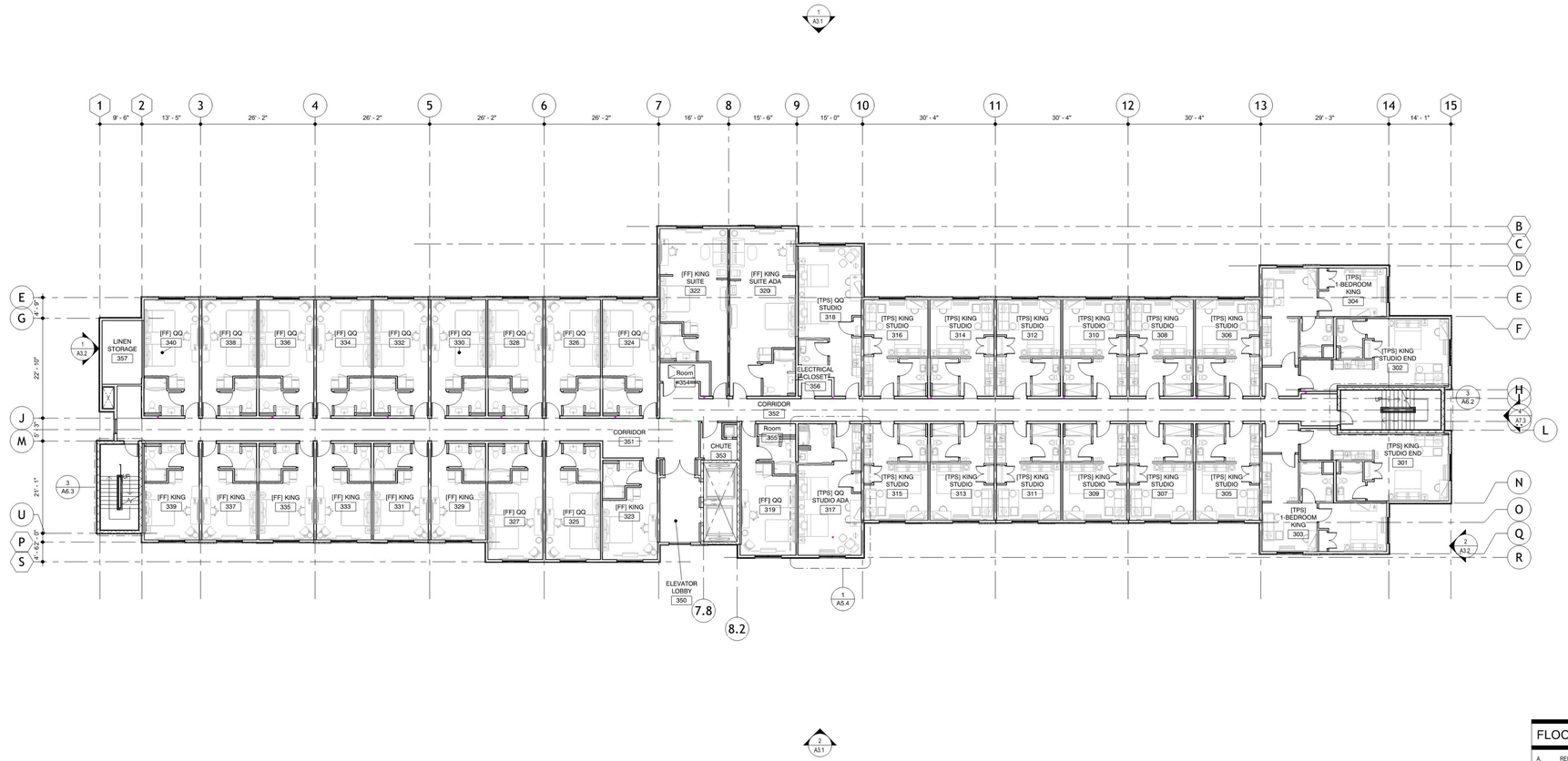
DWG: D1.3 DETAILS - TYP. LEVEL FLOOR PLAN
FILE PATH: I:\011589-01-001 - Dowda Partners\P 1589-01-001 (DMG) - Marriott Fairfield TownePlace Suites\4 Engineering\Civil Drawing Plans\PRELIMINARY DEVELOPMENT PLANS\1 1589-01-DSP 02-21-25\D1.3 DETAILS - TYP. LEVEL FLOOR PLAN.dwg
Plotted: 9/22/2025 2:37:01 PM EDT By: Kyle Sullivan
Xrefs: C:\Users\kyle.sullivan\Bowman Consulting Group Ltd\Desktop\Temp\Xrefs\1589-01-001 (DMG) - Marriott Fairfield TownePlace Suites\4 Engineering\Civil Drawing Plans\PRELIMINARY DEVELOPMENT PLANS\1 1589-01-DSP 02-21-25\D1.3 DETAILS - TYP. LEVEL FLOOR PLAN.dwg



1 Level 3
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

A. REFER TO ENLARGED PLANS FOR DETAILED INFORMATION ON PARTITION TYPES AND DIMENSIONS.

B. LOBBY LEVEL FINISH DATUM OF 0'-0" IS EQUIVALENT TO ___ ON CIVIL DRAWING SET.

C. ALL FURNITURE & EQUIPMENT SHOWN FOR REFERENCE ONLY.

D. MOUNTING HEIGHT OF FIRE EXTINGUISHER CABINETS SHALL BE THAT NO OPERABLE PART IS HIGHER THAN 48" A.F.F.

E. MAGNETIC DOOR HOLD OPENERS TO BE TIED TO FIRE ALARM SYSTEM. REFER TO DRAWING A7.02.

FLOOR PLAN LEGEND

- GRIDLINE - CENTER OF COLUMN/STUD
- GRIDLINE - FACE OF COLUMN/STUD
- WALL PARTITION; SEE A7.01
- ADA ACCESSIBLE ROOM
- HEARING-IMPAIRED ROOM
- FE-1 FULLY RECESSED FIRE EXTINGUISHER CABINET
- FE-2 SEMI RECESSED FIRE EXTINGUISHER CABINET
- FE-3 BRACKET MOUNTED FIRE EXTINGUISHER
- RFID CARD READER

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SHEET INFO
DRAWING TITLE: Level 3 Floor Plan
JOB NO.: 598
SHEET NO.: A2.3

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DETAILS - LEVEL 3 FLOOR PLAN
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ORANGE COUNTY

PLAN STATUS

DATE	DESCRIPTION

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DATE: 9/22/2025
DETAILS - LEVEL 3 FLOOR PLAN
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DETAILS - LEVEL 3 FLOOR PLAN
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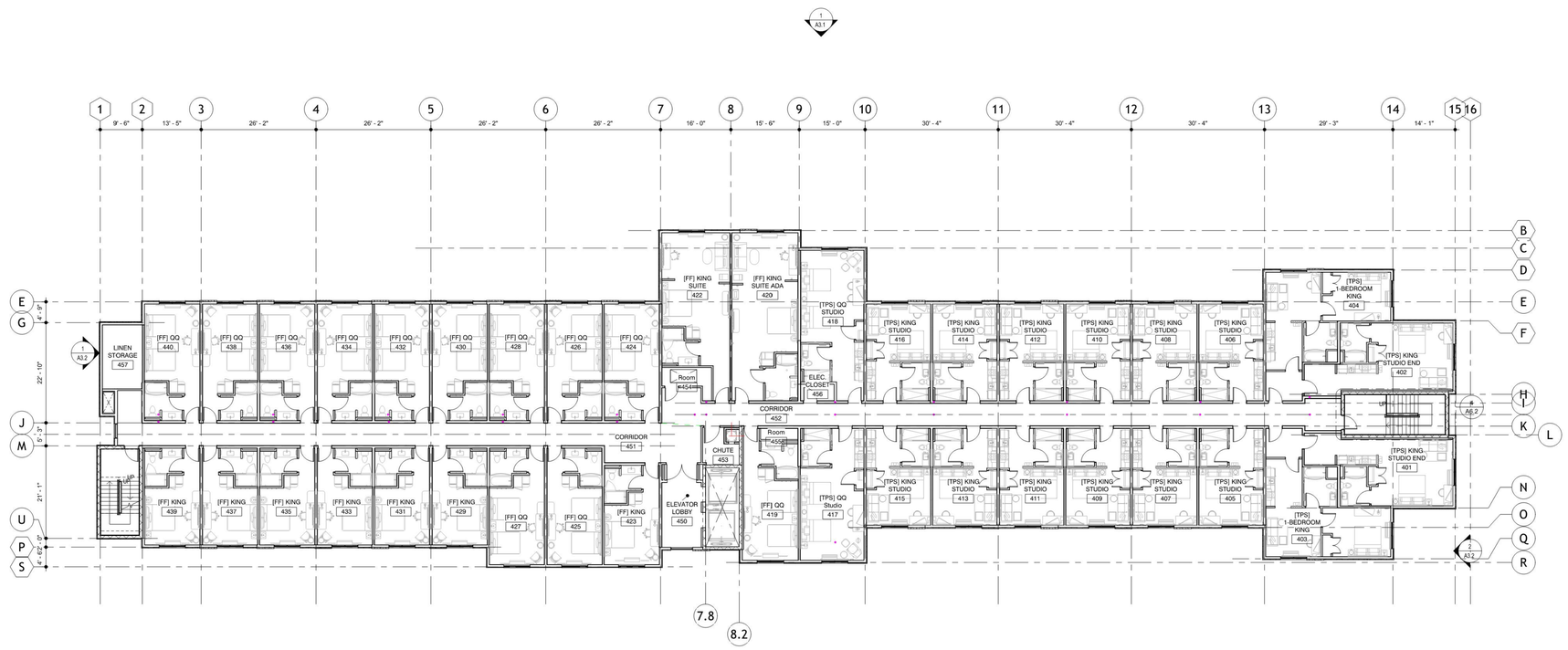

1 Level 4
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

A. REFER TO ENLARGED PLANS FOR DETAILED INFORMATION ON PARTITION TYPES AND DIMENSIONS.

B. LOBBY LEVEL FINISH DATUM OF 0'-0" IS EQUIVALENT TO ____ ON CIVIL DRAWING SET.

C. ALL FURNITURE & EQUIPMENT SHOWN FOR REFERENCE ONLY.

D. MOUNTING HEIGHT OF FIRE EXTINGUISHER CABINETS SHALL BE THAT NO OPERABLE PART IS HIGHER THAN 48" A.F.F.

E. MAGNETIC DOOR HOLD OPENERS TO BE TIED TO FIRE ALARM SYSTEM. REFER TO DRAWING A7.02.

FLOOR PLAN LEGEND

- GRIDLINE - CENTER OF COLUMN/STUD
- GRIDLINE - FACE OF COLUMN/STUD
- WALL PARTITION: SEE A7.01
- ADA ACCESSIBLE ROOM
- HEARING-IMPAIRED ROOM
- FE-1 FULLY RECESSED FIRE EXTINGUISHER CABINET
- FE-2 SEMI RECESSED FIRE EXTINGUISHER CABINET
- FE-3 BRACKET MOUNTED FIRE EXTINGUISHER
- RFID CARD READER

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SHEET INFO
DRAWING TITLE: Level 4 Floor Plan
JOB NO.: 598
SHEET NO.: A2.4

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DETAILS - LEVEL 4 FLOOR PLAN
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NWC OF STATE ROAD 429 & CONNECTOR RD
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CITY OF APOPKA

PLAN STATUS

DATE	DESCRIPTION

JG	JG	KAS
DESIGN	DRAWN	CHKD

SCALE: AS SHOWN
JOB No.: 011589-01-001
DATE: 9/22/2025
DETAILS - LEVEL 4 FLOOR PLAN
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Dwg = D1.5 - DETAILS - LEVEL 4 FLOOR PLAN
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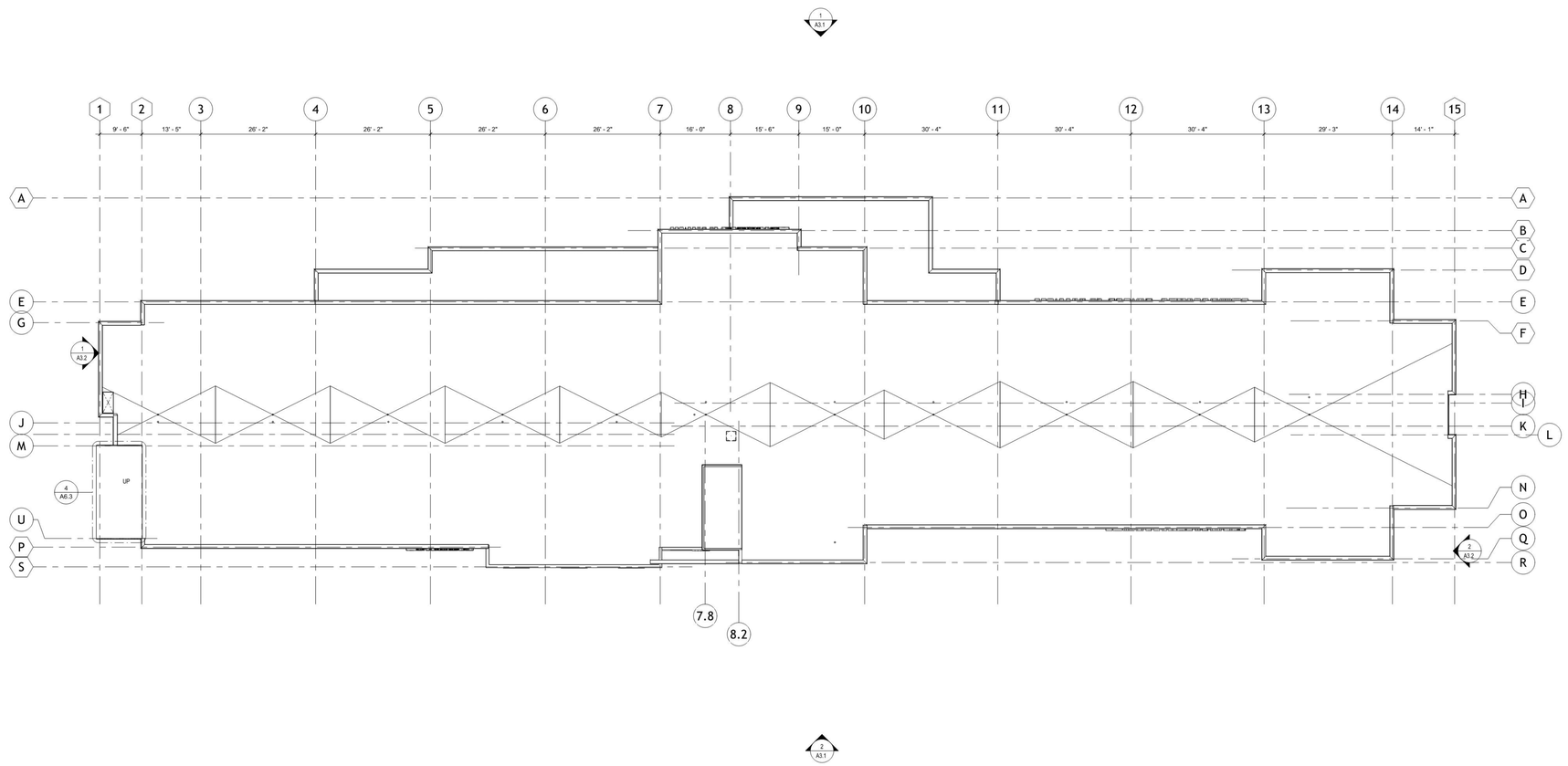

1 Roof
3/32" = 1'-0"

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DRAWING TITLE: Roof Plan
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SHEET NO.: A2.5

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1 North Elevation
1/8" = 1'-0"



2 South Elevation
1/8" = 1'-0"

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SHEET INFO
DRAWING TITLE
Building Elevations - North & South
JOB NO.
598
SHEET NO.
A3.1

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DETAILS - BUILDING ELEVATIONS
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2 West Elevation
1/8" = 1'-0"

1 East Elevation
1/8" = 1'-0"

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ISSUES
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SHEET INFO
DRAWING TITLE: Building Elevations - East & West
JOB NO.: 598
SHEET NO.: A3.2

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PLAN STATUS

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DESIGN	DRAWN	CHKD

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DATE: 9/22/2025
DETAILS - BUILDING ELEVATIONS
SHEET No.: D1.8

Init. 9:29PM
DWG: DETAILS - BUILDING ELEVATIONS
FILE: PATH-1401589 - Double Diamond 1589-01-001 (ENG) - Manuel Fuentes (TownePlace Suites Apopka)\Engineering\Civil Drawing Plans\PSP\PRELIMINARY DEVELOPMENT PLANS\1589-01-PSP-DD (2 PLY) 3.DWL
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4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING DEMOLITION AND/OR CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE REPRESENTED IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION IMMEDIATELY.
5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. SHOULD THE ASSISTANCE OF THE OWNER, ARCHITECT, LANDSCAPE ARCHITECT, OR ENGINEER BE REQUIRED THE CONTRACTOR SHALL ALLOW FOR THE REQUIRED NOTIFICATION PERIOD IN THE CONSTRUCTION SCHEDULE.
6. CONTRACTOR SHALL VERIFY AND COORDINATE SPECIFIC REQUIREMENTS FOR OWNER-PROVIDED AND/OR INSTALLED EQUIPMENT. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INCLUDED IN THE CONTRACT DOCUMENTS. ALL CORRESPONDENCE FROM SUBCONTRACTORS SHALL BE ROUTED THROUGH THE GENERAL CONTRACTOR.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES AND UTILITIES FROM DAMAGE AS REQUIRED DURING CONSTRUCTION. ADJACENT WORK, INCLUDED UNDER OTHER CONSTRUCTION CONTRACTS, WHICH IS DAMAGED DURING EXECUTION OF THIS CONTRACT WORK, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR PRIOR TO FINAL ACCEPTANCE OF THE WORK.
8. GENERAL CONTRACTOR SHALL REPLY WITH ALL REQUIREMENTS OF CURRENT SOILS REPORT.
9. GENERAL CONTRACTOR TO PROVIDE ALL GOVERNMENT-REQUIRED SIGNAGE NECESSARY FOR CERTIFICATE OF OCCUPANCY (FIRE LANE SIGNAGE, "DO NOT BLOCK DOOR", ETC.)
10. THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE ADOPTED BY THE JURISDICTION HAVING AUTHORITY AND ITS REFERENCED STANDARDS APPLY TO THE DESIGN AND CONSTRUCTION OF THESE INSTALLATIONS.
11. CONTRACTOR TO INCLUDE IN BID, ALL MISCELLANEOUS MATERIAL REQUIRED FOR A COMPLETE INSTALLATION PER THE DESIGN INTENT AS DEFINED BY THE CONTRACT DOCUMENTS. MISCELLANEOUS MATERIAL INCLUDES, BUT IS NOT LIMITED TO FASTENERS, HANGERS, FURRING STRIPS, BLOCKING, TRIM AND OTHER MATERIALS NOT SPECIFICALLY INDICATED BUT REQUIRED FOR A COMPLETE INSTALLATION.

SITEWORK NOTES:

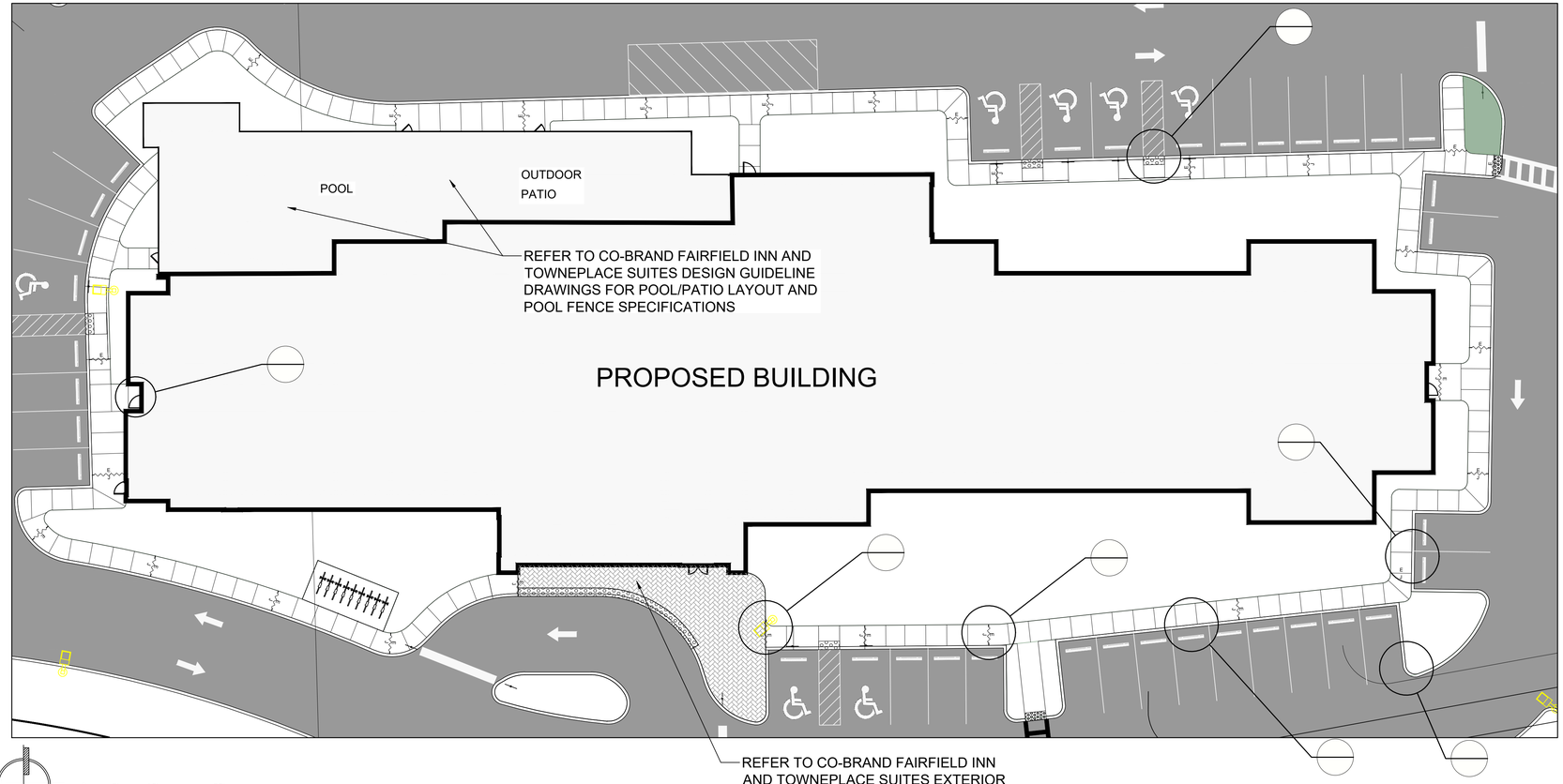
1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSPECTION OF SOIL CONDITIONS AFTER EXCAVATION WITH OWNER'S TESTING SERVICE TO DETERMINE IF BEARING CAPACITY IS SUFFICIENT AND MAINTAINING EXCAVATION IN SUCH AS A WAY THAT THE BEARING CAPACITY IS MAINTAINED UNTIL PLACEMENT OF FOOTING.
2. OVER-EXCAVATION OF FOUNDATIONS SHALL BE FILLED ONLY AS DIRECTED BY THE STRUCTURAL ENGINEER.
3. ALL CIVIL WORK IS DEFINED UNDER SEPARATE CIVIL DOCUMENTATION PROVIDED BY THE CIVIL ENGINEER.
4. UNLESS NOTED OTHERWISE PROVIDE 18" x 24" CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS WHERE DOWNSPOUTS SPILL ONTO PAVING
5. ALL SIDEWALKS ARE TO BE LIGHT BROOM FINISHED UNLESS NOTED OTHERWISE. ALL SIDEWALK COLORS ARE TO MATCH COLOR SELECTED BY LANDSCAPE ARCHITECT UNLESS OTHERWISE NOTED. SEE DETAILS FOR PSI AND REINFORCING REQUIREMENTS.
6. THE CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THE WORK AND PHASING OF WORK DESCRIBED HEREIN WITH THE CIVIL ENGINEERING AND LANDSCAPE PLANS.

CONCRETE NOTES:

1. DESIGN LOADS ARE AS SPECIFIED BY THE STRUCTURAL DRAWINGS.
2. ALL EXTERIOR SIDEWALK EXPANSION JOINTS TO RECEIVE TRAFFIC BEARING, POURABLE SEALANT. PROVIDE 1/2" JOINT, MINIMUM.
3. ALL CONCRETE DRAWN IS BROOM FINISH UNLESS NOTED OTHERWISE.

LAYOUT NOTES:

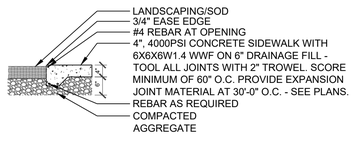
1. THE LOCATION OF ALL SURFACE AND UNDERGROUND STRUCTURES AND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR AT GROUND BREAK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES AND UTILITIES FROM DAMAGE AS REQUIRED DURING CONSTRUCTION AND TO REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE OWNER/OR DAMAGED PARTY.
2. THE FINISHED GRADES SHALL BE FREELY DRAINING.
3. ALL SITE ELEMENT LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION/INSTALLATION.
4. THE LOCATION OF ALL FOOTINGS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION. FOOTINGS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY LANDSCAPE ARCHITECT.
5. THE LOCATION OF ALL PAVED AREAS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION. PAVED AREAS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY LANDSCAPE ARCHITECT.
6. MINIMIZE ALL ROOT DISTURBANCE WITHIN THE DRIP LINE OF ALL EXISTING TREES.
7. COORDINATE SLEEVE LOCATION/INSTALLATION WITH LANDSCAPE CONTRACTOR. INSTALLATION IS THE RESPONSIBILITY OF GENERAL CONTRACTOR.
8. IRRIGATION SLEEVES ARE TO BE SCHEDULE 40 PVC PIPE, PER SPECIFICATIONS, EXTENDED 18" MINIMUM BEYOND CURB OR PAVEMENT EDGE.
9. IRRIGATION SLEEVES ARE TO BE MARKED (EACH END) WITH A 2" X 4" STAKE FOR EASE OF LOCATION BY THE LANDSCAPE CONTRACTOR. SECURE OR CAP EACH END OF SLEEVE DURING INSTALLATION TO PREVENT CLOGGING.
10. GRADE ALL AREAS FOR APPROVAL BY LANDSCAPE ARCHITECT BEFORE SODDING.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 3% POSITIVE DRAINAGE IN ALL PLANT AREAS.
12. LANDSCAPE CONTRACTOR SHALL PROVIDE APPROVED TOPSOIL TO PERFORM INCIDENTAL GRADING WORK.
13. TOPSOIL AND BACKFILL MIX SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO DELIVERY.
14. UPON AWARD OF CONTRACT; LANDSCAPE ARCHITECT WILL PROVIDE CONTRACTOR WITH DIGITAL LAYOUT FILE.



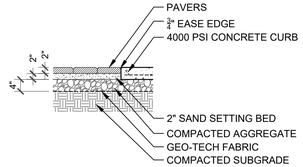
NORTH

0 8' 16' 32'

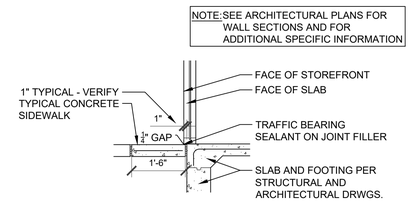
SCALE IN FEET: $\frac{1}{16}$" = 1'-0"



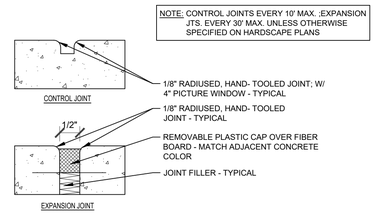
1 CONCRETE SIDEWALK
1/2" = 1'-0" P-CO-CWA-41



2 CONCRETE TO PAVERS
1/2" = 1'-0" P-CO-CWA-44



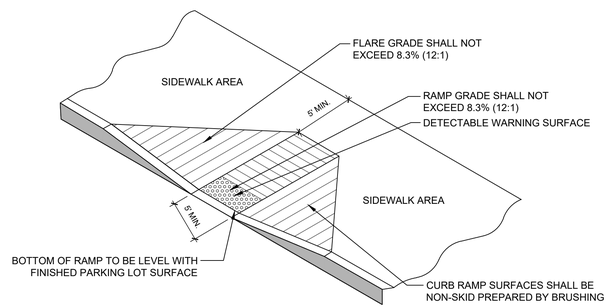
3 CONCRETE AT STOREFRONT
1/2" = 1'-0" P-CO-CWA-43



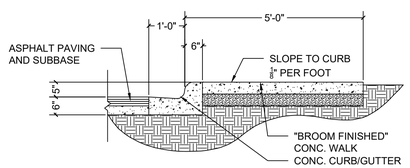
4 JOINT DETAILS
3/4" = 1'-0" P-CO-CWA-42

HARDSCAPE LEGEND

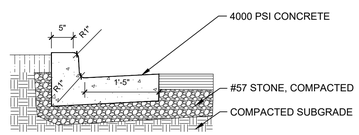
EXPANSION JOINT
CONTROL JOINT
LANDSCAPE AREA



5 ACCESSIBLE CURB RAMP
NTS



6 SIDEWALK CURB DETAIL
1/2" = 1'-0" P-CO-HCAR2401-29



7 CURB GUTTER AT LANDSCAPE
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FOR REVIEW

MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE RD 429 & CONNECTOR RD
APOPKA, FL 32712

REVISIONS		
NO	DATE	DESCRIPTION

HARDSCAPE LAYOUT

JOB NO:	HCAR-2401
DATE:	09/12/2025
DRAWN BY:	TJC
CHECKED BY:	ALR
SHEET NUMBER:	L1.0

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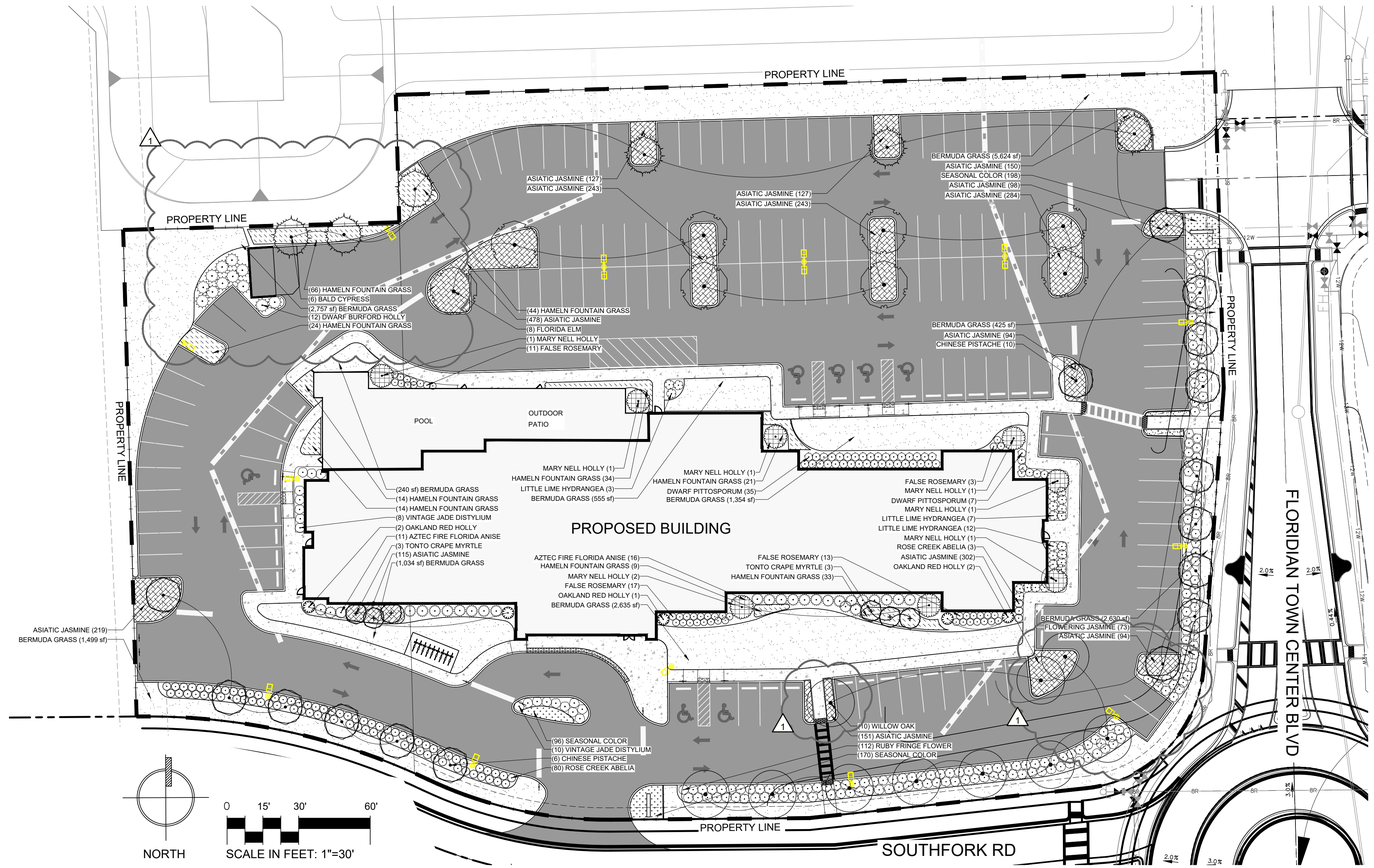


PLANT SCHEDULE LANDSCAPE

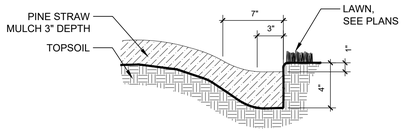
QTY	BOTANICAL NAME	COMMON NAME	CAL	HT	SPREAD	SPACING	REMARKS
TREES							
8	ILEX X `MARY NELL`	MARY NELL HOLLY	15 GAL	4`-5`	2`-3`	AS SHOWN	FULL TO GROUND, HEALTHY
5	ILEX X `MAGLAND`	OAKLAND RED HOLLY	15 GAL	5` - 6` MIN.	2` - 3` MIN.	6` O.C.	FULL TO GROUND, HEALTHY
6	LAGERSTROEMIA X `TONTO`	TONTO CRAPE MYRTLE	B & B	8` - 10`	5`-6`	AS DRAWN	MINIMUM 3 TRUNKS, EACH TRUNK MIN. 1.5"
16	PISTACIA CHINENSIS	CHINESE PISTACHE	2.5" CAL.	9` - 11` MIN.	4` - 5` MIN.	AS SHOWN	STANDARD TRUNK, HEALTHY, STRONG CENTRAL LEADER.
10	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	13` - 15`	3`-5`	AS DRAWN	HEALTHY, STRONG CENTRAL LEADER
6	TAXODIUM DISTICHUM	BALD CYPRESS	3" CAL	8` - 10`	4` - 5`	AS DRAWN	HEALTHY, STRONG CENTRAL LEADER
8	ULMUS AMERICANA FLORIDANA	FLORIDA ELM	2.5" CAL.	12`-14`	6` - 8` MIN.	AS DRAWN	HEALTHY, STRONG CENTRAL LEADER
QTY	BOTANICAL NAME	COMMON NAME	SIZE	HT.	SPREAD	SPACING	REMARKS
SHRUBS							
83	ABELIA X `ROSE CREEK`	ROSE CREEK ABELIA	3 GAL.	12`-15" MIN.	12`-16" MIN.	42" O.C.	FULL, HEALTHY PLANT
44	CONRADINA CANESCENS	FALSE ROSEMARY	3 GAL	15`-18" MIN.	12`-16"	36" O.C.	FULL, HEALTHY PLANT
18	DISTYLIUM X `VINTAGE JADE`	VINTAGE JADE DISTYLIUM	3 GAL	12`-15" MIN.	12`-16" MIN.	4` O.C.	FULL, HEALTHY PLANT
22	HYDRANGEA PANICULATA `LITTLE LIME`	LITTLE LIME HYDRANGEA	3 GAL	18`-24" MIN.	18`-24" MIN.	4` O.C.	FULL, HEALTHY PLANT
12	ILEX CORNUTA `BURFORDII NANA`	DWARF BURFORD HOLLY	7 GAL	24` - 30" MIN.	24` - 30" MIN.	6` O.C.	FULL, HEALTHY PLANT
27	ILLICIUM FLORIDANUM `AZTEC FIRE`	AZTEC FIRE FLORIDA ANISE	3 GAL.	18`-24" MIN.	12`-16" MIN.	60" O.C.	FULL, HEALTHY PLANT
73	JASMINUM FLORIDUM	FLOWERING JASMINE	3 GAL	18`-24"	15` - 18" MIN.	4` O.C.	FULL, HEALTHY PLANT
112	LOROPETALUM CHINENSE RUBRUM `RUBY`	RUBY FRINGE FLOWER	3 GAL	18" MIN.	15` - 24" MIN.	48" O.C.	FULL, HEALTHY PLANT
42	PITTOSPORUM TOBIRA `WHEELER`S DWARF`	DWARF PITTOSPORUM	3 GAL	12`-15" MIN.	12`-16" MIN.	36" O.C.	FULL, HEALTHY PLANT
QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPREAD	SPACING	REMARKS
GROUND COVERS							
259	CENCHRUS ALOPECUROIDES `HAMELN`	HAMELN FOUNTAIN GRASS	3 GAL	10" - 12" MIN.	6" - 8" MIN.	30" O.C.	FULL, HEALTHY PLANT
464	SEASONAL COLOR		4"POT@				
2,725	TRACHELOSPERMUM ASIATICUM	ASIATIC JASMINE	4"POT			15" O.C.	FULL, HEALTHY PLANT
SOD/SEED							
18,753 SF	CYNODON DACTYLON	BERMUDA GRASS	SOD				HEALTHY, NO YELLOWING OR PESTS. CUT NO MORE THAN 24 HRS. BEFORE LAYING.

Apopka, FL - Municipal Code Landscape Calculation

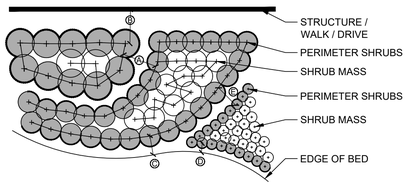
Land Development Code: Article 5 - Section 2 - Apopka, Florida Code of Ordinances

Foundation Planting Standards						
Required	Except for a building built to the lot line, all buildings facing rights-of-way shall contain a foundation landscaping area adjacent to the building that is a minimum of four feet in width and extends the entire length of the building facade. The foundation landscaping area shall contain:					
	(a) Shrubs a minimum of 24 inches in height, planted a minimum of 30 inches on-center, depending on variety and approved by the DRC	**Required:**	✓	Provided:	✓	
	(b) A minimum of one small decorative or ornamental tree that is at least 15 gallons for every 20 feet of length.	Length: **Required:**	320 ft 16 trees	**Provided:**	16 trees	
	In addition, multifamily and nonresidential development shall plant one canopy shade tree and ten shrubs (minimum height 36 inches) per 35 lineal feet, or fraction thereof, of property perimeter both abutting and not abutting a street or parking area.	Total Perimeter: **Required:** **Required:**	1402 ft 40 trees 400 shrubs	**Provided:** **Provided:**	40 trees 433 shrubs	
Off-Street Vehicular Parking Area Planting						
Required	(a) A minimum of one canopy shade tree, plus an additional one canopy shade tree for every ten spaces or any portion thereof, shall be required for an off-street vehicular parking area.	Total: **Required:**	135 parking spaces 15 trees	**Provided:**	15 trees	
	(b) At least 90 percent of the parking spaces shall be within 80 feet of the trunk of a tree. Landscaping around the perimeter, in bufferyards, or other required plantings may be used to meet this requirement.	**Required:**	90%	**Provided:**	100%	
Perimeter Off-Street Vehicular Parking Area Landscaping	A hedge row, consisting of shrubs a minimum height of 36 inches and planted three and one-half feet on center, or other approved screening shall be required where off-street vehicular parking areas are adjacent to a street.	**Required:**	✓	**Provided:**	✓	
Plant Diversity						
Required	When 40 or more trees are required on a site, at least four different species shall be utilized, in roughly equal proportions	**Required:**	4 species	**Provided:**	4 species	

NOTE:
TRENCH EDGE TO BE LOCATED BETWEEN PLANTING BEDS AND ALL LAWN AREAS AND AROUND TREE PITS LOCATED IN LAWN AREAS.

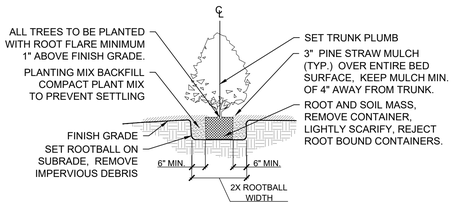


1 TRENCH EDGE FOR ALL PLANT BEDS
NTS



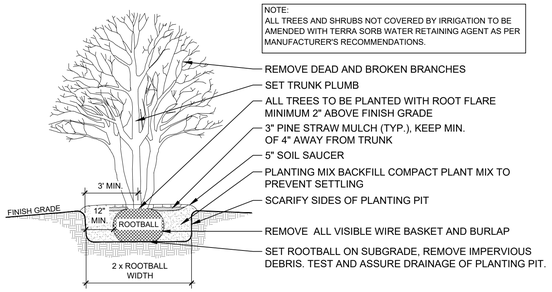
A SHRUB TO SHRUB.....LARGEST SPACING BETWEEN TWO DIFFERENT SPECIES OF ADJACENT SHRUBS + 6" (EXAMPLE: 4' O.C. NEXT TO 3' O.C., SPACING EQUALS 4'-6")
B SHRUB TO STRUCTURE / WALK / DRIVE..... SHRUB SPACING + 6" (EXAMPLE - 4'-6" FOR 4' O.C.) IN NO CASE LESS THAN 4'
C SHRUB TO BED LINE.....1/2 SHRUB SPACING + 1 FOOT (EXAMPLE - 30": FOR 3' O.C.)
D GROUNDCOVER TO BEDLINE.....GROUNDCOVER SPACING (EXAMPLE - 1 FOOT FOR 1' O.C.)
E SHRUB TO GROUNDCOVER.....1/2 SHRUB SPACING + SPACING OF GROUNDCOVER
NOTE:
LAYOUT PERIMETER SHRUBS OF SHRUB MASS FIRST AT DESIGNATED SPACING. INFILL SHRUB MASS AS CLOSE TO GIVEN SPACING AS POSSIBLE, ADJUSTING SPACING UP OR DOWN AS REQUIRED.

2 FREE FORM MASS PLANTING
NTS



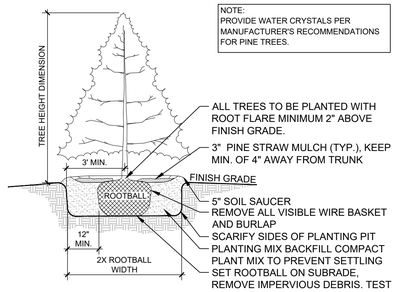
3 TYPICAL CONTAINERIZED SHRUB PLANTING
NTS

NOTE:
ALL TREES AND SHRUBS NOT COVERED BY IRRIGATION TO BE AMENDED WITH TERRA SORB WATER RETAINING AGENT AS PER MANUFACTURER'S RECOMMENDATIONS.



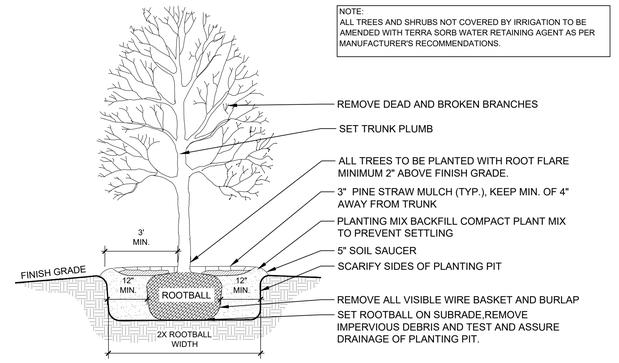
4 MULTI- TRUNKED TREE PLANTING
NTS

NOTE:
PROVIDE WATER CRYSTALS PER MANUFACTURER'S RECOMMENDATIONS FOR PINE TREES.



5 EVERGREEN TREE PLANTING
NTS

NOTE:
ALL TREES AND SHRUBS NOT COVERED BY IRRIGATION TO BE AMENDED WITH TERRA SORB WATER RETAINING AGENT AS PER MANUFACTURER'S RECOMMENDATIONS.



6 TYPICAL TREE PLANTING
NTS

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FOR REVIEW

MARRIOTT FAIRFIELD TOWNEPLACE SUITES
NWC OF STATE RD 429 & CONNECTOR RD
APOPKA, FL 32712

REVISIONS		
NO	DATE	DESCRIPTION
1	05/06/2026	REVISION PER NEW SITE PLAN

LANDSCAPE PLAN

JOB NO:	HCAR-2401
DATE:	09/12/2025
DRAWN BY:	TJC
CHECKED BY:	ALR
SHEET NUMBER:	L2.0

SOIL PREPARATION

1. SUBMITTALS: INCLUDE THE FOLLOWING PRODUCT DATA FOR EACH TYPE OF PRODUCT:

- RECOMMENDATIONS FOR APPLICATION AND USE
- TEST DATA SUBSTANTIATING COMPLIANCE WITH REQUIREMENTS
- SIEVE ANALYSIS FOR AGGREGATE MATERIALS
- MATERIAL CERTIFICATES FOR IMPORTED SOILS, SOIL AMENDMENTS, AND FERTILIZERS (INCLUDING ANALYSIS BY QUALIFIED TESTING AGENCY)

2. SAMPLES: FOR EACH BULK-SUPPLIED MATERIAL, SUBMIT 1-QUART VOLUME OF EACH IN SEALED CONTAINER LABELED WITH CONTENT, SOURCE, AND DATE OBTAINED. PROVIDE SAMPLES THAT ARE TYPICAL OF THE MATERIAL TO BE FURNISHED AND ACCURATE IN REPRESENTATION OF COMPOSITION,COLOR, AND TEXTURE.

3. SUBMIT PRE-CONSTRUCTION SOIL ANALYSIS AND TESTING AGENCY QUALIFICATIONS.

4. SOIL SAMPLING: NOTIFY LANDSCAPE ARCHITECT SEVEN (7) DAYS BEFORE SAMPLE COLLECTION. SAMPLES TO BE COLLECTED BY CONTRACTOR IN PRESENCE OF LANDSCAPE ARCHITECT OR BY QUALIFIED TESTING AGENCY PERSONNEL. COLLECT A MINIMUM OF THREE (3) SAMPLES FOR EACH SOIL TO BE USED. FOLLOW PROCEDURES IN USDA-NRCS "FIELD BOOK FOR DESCRIBING AND SAMPLING SOILS," LATEST EDITION. LABEL EACH SAMPLE WITH DATE, LOCATION (KEYED TO SITE PLAN), VISIBLE SOIL CONDITION, AND SAMPLING DEPTH.

5. SOIL TESTING: PER SSSA's "METHODS OF SOIL ANALYSIS."

-- PHYSICAL TESTING: SOIL TEXTURE, PARTICLE SIZE (SIEVE METHOD);TOTAL POROSITY (PARTICLE DENSITY AND BULK DENSITY); WATER RETENTION; SATURATED HYDRAULIC CONDUCTIVITY AT 85% STANDARD PROCTOR DENSITY. CHEMICAL TESTING: CEC SODIUM SATURATION AT pH 7; ANALYSIS AND ESTIMATED PERCENTAGE OF EXPANDABLE CLAY MATERIALS; HAZARDOUS METALS; PHYTOTOXIC TRACE MINERALS.

FERTILITY TESTING: ACCORDING TO STANDARD PROTOCOL OF SSSA NAPT SERA-6, INCLUDING THE FOLLOWING:

a.PERCENTAGE OF ORGANIC MATTER

b. CEC, CALCIUM % OF CEC, MAGNESIUM % OF CEC

c. SOIL REACTION (pH VALUE)

d. BUFFERED ACIDITY OR ALKALINITY

e. NITROGEN PPM

f. PHOSPHORUS PPM

g. POTASSIUM PPM

h. MANGANESE PPM

i. MANGANESE-AVAILABILTY PPM

j. ZINC PPM.

k. ZINC-AVAILABILITY PPM.

l. COPPER PPM

m. SODIUM PPM AND SODIUM ABSORPTION RATIO.

n.SOLUBLE-SALTS PPM.

o.PRESENCE AND QUANTITIES OF PROBLEMATIC MATERIALS INCLUDING SALTS AND METALS CITED IN THE STANDARD PROTOCOL. IF PRESENT,PROVIDE ADDITIONAL RECOMMENDATIONS FOR CORRECTIVE ACTION.

p.OTHER DELETERIOUS MATERIALS, INCLUDING CHARACTERISTICS AND CONTENT OF EACH.

-- RECOMMENDATIONS: BASED ON TEST RESULTS, STATE RECOMMENDATIONS FOR SOIL TREATMENTS AND SOIL AMENDMENTS TO BE INCORPORATED TO PRODUCE SATISFACTORY PLANTING SOIL SUITABLE FOR HEALTHY, VIABLE PLANTS INDICATED. AT MINIMUM, INCLUDE N-P-K FERTILIZATION AND FOR MICRONUTRIENTS.

6. PACKAGED MATERIAL DELIVERY AND STORAGE: DELIVER PACKAGED MATERIALS UNOPENED, UNDAMAGED CONTAINERS CLEARLY LABELED WITH WEIGHT, ANALYSIS MANUFACTURER NAME, AND COMPLIANCE WITH APPLICABLE LAWS.

7. BULK MATERIAL DELIVERY AND STORAGE: DO NOT DUMP OR STORE NEAR STRUCTURES, WALKWAYS/PAVEMENT, UTILITIES, OR ON EXISTING TURF OR PLANTED AREAS. PROVIDE EROSION CONTROL MEASURES TO PREVENT DISPLACEMENT (WATER- OR WIND-BORNE) OR DISCHARGE INTO WATERWAYS. DO NOT MOVE WHEN WET OR FROZEN. INCLUDE APPROPRIATE CERTIFICATES WITH DELIVERY.

8. PLANTING SOIL: EXISTING, ON-SITE SURFACE SOIL, WITH THE DUFF LAYER (IF ANY) RETAINED AND STOCKPILED ON-SITE; MODIFIED AS DIRECTED BY SOIL TEST RESULTS TO PRODUCE VIABLE PLANTING SOIL.

9. PLANTING SOIL, IMPORTED: NATURALLY FORMED SOIL FROM OFF-SITE SOURCES CONSISTING OF SANDY LOAM AND MODIFIED TO PRODUCE VIABLE PLANTING SOIL.TAKE UNAMMENDED IMPORTED SOIL FROM SOURCES THAT ARE NATURALLY WELL-DRAINED AND WHERE TOPSOIL OCCURS AT LEAST 4 INCHES DEEP NOT FROM AGRICULTURAL LAND, BOGS, OR MARSHES; AND NOT CONTAINING UNDESIRABLE ORGANISMS, PLANT PATHOGENS, NOXIOUS WEEDS OR INVASIVE PLANTS. BEFORE AMENDING,IMPORTED SOIL pH SHALL BE 5.5 - 7, WITH A MINIMUM OF 4% ORGANIC MATTER CONTENT, FRIABLE, AND WITH SUFFICIENT STRUCTURE TO PROVIDE GOOD TILTH AND AERATION.

10. UNACCEPTABLE MATERIALS IN PLANTING SOIL: CLEAN SOIL OF CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS; OILS, GASOLINE, DIESEL FUEL, PAINT, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUNDS; ACID; AND ANY OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.

11. UNSUITABLE MATERIALS IN PLANTING SOIL: STONES; ROOTS; PLANTS, SOD; CLAY LUMPS, CLODS, OR COARSE SAND POCKETS EXCEEDING 2 INCHES IN ANY DIMENSION.

12. INORGANIC SOIL AMENDMENTS:

- ASTM C602, AGRICULTURAL LIME CONTAINING A MINIMUM OF 80% CALCIUM CARBONATE. CLASS AND FORM AS RECOMMENDED BY SOIL TEST RESULTS.
- GRANULAR, BIODEGRADABLE, AND CONTAINING A MINIMUM OF 90% ELEMENTAL SULFUR, WITH A MINIMUM OF 90% PASSING A NO. 6 SIEVE AND MAXIMUM OF 10% PASSING A NO. 40 SIEVE.
- IRON SULFATE: GRANULATED FERROUS SULFATE CONTAINING A MINIMUM OF 20% IRON AND 10% SULFUR.
- PERLITE: HORTICULTURAL PERLITE, SOIL AMENDMENT GRADE.
- AGRICULTURAL GYPSUM: MINIMUM 90% CALCIUM SULFATE, WITH 90% PASSING A NO. 50 SIEVE.

CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS; ASTM C33.

13. ORGANIC SOIL AMENDMENTS:

- COMPOST: WELL-COMPOSTED, STABLE, WEED-FREE ORGANIC MATTER PRODUCED BY COMPOSTING FEEDSTOCK, AND BEARING USCC's "SEAL OF TESTING ASSURANCE."
- PARTIALLY DECOMPOSED PEAT MOSS, GRANULAR (100% PASSING 1/2 INCH SIEVE). CHEMICAL PROPERTIES AS REQUIRED BY SOIL TESTING REPORT.WOOD DERIVATIVES: SHREDDED AND COMPOSTED, NITROGEN-TREATED SAWDUST, GROUND BARK, OR WOOD WASTE; OF UNIFORM TEXTURE, FREE OF CHIPS, STONES, STICKS, SOIL, OR TOXIC MATERIAL.
- WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25% BY VOLUME OF STRAW, SAWDUST, OR OTHER BEDDING MATERIALS; FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, DEBRIS, AND MATERIAL HARMFUL TO PLANT GROWTH.

14. FERTILIZERS: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASE NITROGEN; 50% DERIVED FROM NATURAL ORGANIC SOURCES OF UREA FORMALDEHYDE, PHOSPHORUS, AND POTASSIUM IN AMOUNTS RECOMMENDED BY SOIL TESTING REPORTS.

15. EXCAVATION AND STOCKPILING OF TOPSOIL BY SITE CONTRACTOR.TILL SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES AND REMOVE STONES,STICKS, RUBBISH, OR OTHER EXTRANEOUS MATTER LARGER THAN 2 INCHES IN ANY DIMENSION. APPLY, ADD AMENDMENTS, AND MIX APPROXIMATELY HALF THE THICKNESS OF UNAMENDED SOIL OVER LOOSENED SUBGRADE. MIX THOROUGHLY INTO TOP 2 INCHES OF SUBGRADE. SPREAD REMAINDER OF PLANTING SOIL TO TOTAL DEPTH INDICATED ON THE DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISHED GRADES AFTER SETTLEMENT. DO NOT SPREAD IF SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.

16. DO NOT PLACE TOPSOIL UNTIL SUBGRADE HAS BEEN APPROVED IN ACCORDANCE WITH NOTE #15. BEFORE PLACING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES, DEBRIS, AND ROOTS. COMPACT TOPSOIL TO FORM LAYER WITH MINIMUM DEPTH OF 4-INCHES IN LAWN AREAS AND 12-INCHES IN SHRUB BEDS. PLACE TOPSOIL SO THAT AFTER FINAL SETTLEMENT THERE WILL BE POSITIVE DRAINAGE CONFORMING TO ELEVATIONS SHOWN ON CONSTRUCTION DRAWINGS

17. COMPACT EACH BLENDED LIFT OF PLANTING SOIL TO 82% OF MAXIMUM SPD (ASTM D698).

18. FINISH GRADING: GRADE PLANTING SOIL TO SMOOTH, UNIFORM SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.

19. LAYERED SOIL ASSEMBLIES: SEE DETAILS IN DRAWINGS.

20. PROTECT AREAS OF IN-PLACE SOIL FROM ADDITIONAL COMPACTION, DISTURBANCE, AND CONTAMINATION. PROHIBIT THE FOLLOWING PRACTICES IN THESE AREAS (EXCEPT TO PERFORM PLANTING OPERATIONS):

- STORAGE OF CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL
- PARKING VEHICLES OR EQUIPMENT
- VEHICLE OR FOOT TRAFFIC
- ERECTION OF SHEDS OR STRUCTURES
- IMPOUNDMENT OF WATER
- EXCAVATION OR DIGGING, UNLESS OTHERWISE INDICATED

21. IF SUBGRADE OR PLANTING SOIL IS OVER COMPACTED, DISTURBED, OR CONTAMINATED, REMOVE PLANTING SOIL AND CONTAMINATION; RESTORE SUBGRADE AS DIRECTED BY LANDSCAPE ARCHITECT;REPLACE WITH NEW PLANTING SOIL.

22. PROTECT AREAS ADJACENT TO PLANTING SOIL PREPARATION AND PLACEMENT AREAS FROM CONTAMINATION. KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN AND IN ORDERLY CONDITION.

23. REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE MATERIALS, TRASH, AND DEBRIS, AND DISPOSE OF LEGALLY OFF-SITE.

PLANTS

1. COORDINATION: PLANT TREES, SHRUBS, AND OTHER PLANTS AFTER FINISHED GRADES ARE ESTABLISHED BUT BEFORE PLANTING TURF AREAS,UNLESS OTHERWISE INDICATED OR APPROVED BY LANDSCAPE ARCHITECT.

2. SUBMIT DIGITAL PHOTOGRAPHS (MIN. 10 MP OR 3648 x 2736 PIXELS; ±) 2.2 MB HIGH-QUALITY JPG) OF EACH REQUIRED SPECIES AND SIZE OF PLANT MATERIAL AS IT WILL BE FURNISHED. PHOTOGRAPHS SHALL DEPICT TRUE SIZE AND CONDITION OF TYPICAL PLANTS, AND INCLUDE A SCALE ROD,TAPE MEASURE, OR OTHER VISIBLE, READABLE OBJECT TO INDICATE SIZE.FOR SPECIES WHERE MORE THAN 20 INDIVIDUAL PLANTS ARE REQUIRED,SUBMIT A MINIMUM OF 3 PHOTOS SHOWING AN AVERAGE PLANT, THE BEST-QUALITY PLANT, AND THE POOREST-QUALITY PLANT TO BE FURNISHED. IDENTIFY PHOTOS WITH THE FULL SCIENTIFIC NAME OF THE PLANT, PLANT SIZE, AND NAME OF GROWING NURSERY.

3. SUBMIT SAMPLES OF THE FOLLOWING MATERIALS FOR VERIFICATION:

-ORGANIC MULCH: 1 QUART VOLUME OF EACH TYPE REQUIRED.

-ROOT BARRIER: WIDTH OF PANEL x 12 INCHES

-EDGING MATERIALS AND ACCESSORIES: ONE OF EACH IN MANUFACTURER'S STANDARD SIZES, TO VERIFY COLOR SELECTION

4. SUBMIT RECOMMENDED PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF PLANTS DURING A CALENDAR YEAR BEFORE EXPIRATION OF CONTRACT MAINTENANCE PERIOD ENDS.

5. PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF PLANTS INDICATED, COMPLYING WITH THE APPLICABLE REQUIREMENTS OF ANSI Z60.1

6. DELIVER PACKAGED MATERIALS TO SITE IN ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS SHOWING WEIGHT, CERTIFIED ANALYSIS, NAME AND ADDRESS OF MANUFACTURER, AND LABELING INDICATING COMPLIANCE WITH FEDERAL LAWS IF APPLICABLE.

7. DO NOT DUMP OR STORE BULK MATERIALS NEAR STRUCTURES, ON WALKWAYS OR PAVEMENTS, OR ON EXISTING TURF OR PLANTED AREAS.PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO PREVENT DISPLACEMENT OF BULK MATERIALS OR DISCHARGE INTO WATER RUNOFF OR AIRBORNE DUST. ACCOMPANY BULK MATERIAL DELIVERY WITH APPROPRIATE CERTIFICATES.

8. DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, WIND BURN,WHIPPING, AND OTHER DAMAGE FROM HANDLING AND TYING. DO NOT BEND OR BIND TREES OR SHRUBS IN A MANNER THAT WILL DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF PLANTS DURING TRANSPORT. DO NOT DROP PLANTS DURING HANDLING OR DELIVERY.HANDLE PLANTING STOCK BY ROOT BALL.

9. DELIVER PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED, AND INSTALL IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, SET PLANTS AND TREES IN APPROPRIATE LOCATION (FULL SUN, FILTERED SUN, OR SHADE), PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS COVERED WITH MULCH AND MOIST.

10. FIELD CONDITIONS: VERIFY ACTUAL GRADE ELEVATIONS, SERVICE AND UTILITY LOCATIONS, IRRIGATION SYSTEM COMPONENTS, DIMENSIONS OF PLANTING AREAS, AND ADJACENT CONSTRUCTION WITH FIELD MEASUREMENTS BEFORE PROCEEDING WITH WORK.

11. WEATHER: PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT PLANTING TO BE PERFORMED SO THAT BENEFICIAL AND OPTIMAL RESULT CAN BE OBTAINED. APPLY PRODUCTS DURING FAVORABLE WEATHER CONDITIONS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND WARRANTY REQUIREMENTS.

12. SPECIAL WARRANTY: INSTALLER AGREES TO REPAIR OR REPLACE PLANTINGS AND ACCESSORIES THAT FAIL IN MATERIAL, WORKMANSHIP, OR GROWTH WITHIN A SPECIFIED WARRANTY PERIOD. FAILURES INCLUDE:

-- DEATH OR UNSATISFACTORY GROWTH (EXCEPT AS RESULTING FROM ABUSE, LACK OF MAINTENANCE, OR NEGLECT BY OWNER)

-- STRUCTURAL FAILURES, INCLUDING PLANTS FALLING OR BLOWING OVER

-- FAULTY PERFORMANCE OF TREE STABILIZATION, EDGINGS, TREE GRATES,ETC.

-- DETERIORATION OF METALS, FINISHES, ETC. BEYOND NORMAL WEATHERING.

13. WARRANTY PERIOD: FROM DATE OF SUBSTANTIAL COMPLETION.

-- TREES, SHRUBS, ORNAMENTAL GRASSES, VINES: 12 MONTHS

-- GROUNDCOVERS, PERENNIALS, BIENNIALS, OTHER PLANTS: 12 MONTHS

-- ANNUALS: TWO (2) MONTHS

14. REMEDIES:

-- REMOVE AND REPLACE DEAD PLANTS IMMEDIATELY, UNLESS IT IS REQUIRED TO PLANT IN THE SUCCEEDING PLANTING SEASON.

-- REPLACE PLANTS THAT ARE MORE THAN 25% DEAD OR IN UNHEALTHY CONDITION AT THE END OF WARRANTY PERIOD.

-- A LIMIT OF ONE REPLACEMENT OF EACH PLANT SHALL BE REQUIRED EXCEPT FOR LOSSES OR REPLACEMENTS DUE TO FAILURE TO COMPLY WITH REQUIREMENTS.

-- PROVIDE EXTENDED WARRANTY FOR PERIOD EQUAL TO ORIGINAL WARRANTY PERIOD FOR REPLACED PLANT MATERIAL.

15. PLANT MATERIAL: FURNISH NURSERY-GROWN PLANTS TRUE TO GENUS, SPECIES, VARIETY, CULTIVAR, STEM FORM, AND OTHER FEATURES AS INDICATED ON THE PLANTING SCHEDULE, AND COMPLYING WITH ANSI Z60.1. PLANTS SHALL HAVE HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK, DENSELY FOLIATED AND FREE OF DISEASE, PESTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.

16. UNACCEPTABLE MATERIAL: TREES WITH DAMAGED, CROOKED, OR MULTIPLE LEADERS; INCLUDED BARK; CROSSING TRUNKS; CUT-OFF LIMBS MORE THAN 3/4" IN DIAMETER; OR WITH STEM GIRDLING ROOTS ARE UNACCEPTABLE.

17. DO NOT USE PLANTS HARVESTED FROM THE WILD, FROM NATIVE STANDS,FROM AN ESTABLISHED LANDSCAPE PLANTING, OR NOT GROWN IN A NURSERY, UNLESS OTHERWISE SPECIFICALLY INDICATED.

18. PROVIDE PLANTS OF SIZES, GRADES, AND BALL OR CONTAINER SIZES COMPLYING WITH ANSI Z60.1 TREES AND SHRUBS SHALL BE MEASURED FROM TOP OF ROOT BALL, WHICH BEGINS AT ROOT FLARE. ROOT FLARE SHALL BE VISIBLE BEFORE PLANTING.

19. LABEL AT LEAST ONE PLANT OF EACH VARIETY AND SIZE WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON AND BOTANICAL NAMES, INCLUDING VARIETY, CULTIVAR, ETC. AS APPLICABLE.

20. ANNUALS AND BIENNIALS: PROVIDE HEALTHY, DISEASE-FREE PLANTS OF SPECIES AND VARIETY SHOWN OR LISTED, WITH WELL ESTABLISHED ROOT SYSTEMS REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM ROOT BALL, BUT NOT WITH EXCESSIVE GROWTH CIRCLING THE CONTAINER. PROVIDE ONLY PLANTS ACCLIMATED TO OUTDOOR CONDITIONS BEFORE DELIVERY.

21. FERTILIZERS: TIGHTLY COMPRESSED, CHIP-TYPE, LONG-LASTING, SLOW-RELEASE, COMMERCIAL GRADE PLANTING FERTILIZER IN TABLET NPK: 20-10-5 BY WEIGHT, PLUS MICRONUTRIENTS, OR AS RECOMMENDED BY SOIL TEST REPORT.

22. ORGANIC MULCH: FREE FROM DELETERIOUS MATERIALS. TYPE, COLOR,AND SIZE RANGE (IF APPLICABLE) AS DESCRIBED IN THE PLANTING NOTES.

23. PESTICIDES: REGISTERED AND APPROVED BY EPA, ACCEPTABLE TO AHJ, AND OF TYPE RECOMMENDED BY MANUFACTURER FOR EACH SPECIFIC PROBLEM AS REQUIRED BY PROJECT CONDITIONS. DO NOT USE RESTRICTED PESTICIDES. APPLY ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS. DO NOT APPLY PRE-EMERGENT HERBICIDES TO SEEDED AREAS.

24. TREE-STABILIZATION MATERIALS: SEE PLANTING DETAILS. WOOD STAKES/STRUTS TO BE ROUGH-SAWN, SOUND, NEW HARDWOOD OR SOFTWOOD, FREE OF KNOTS, HOLES, OR OTHER DEFECTS; SIZE AS INDICATED.

25. METAL EDGING: STANDARD PROFILE COMMERCIAL EDGING (STEEL OR ALUMINUM EXTRUDED) WITH LOOPS STAMPED FROM FACE TO RECEIVE SIZE AND FINISH AS INDICATED IN DRAWINGS. STAKES: TAPERED STEEL, A MINIMUM OF 15 INCHES LONG.ACCESSORIES: PROVIDE STANDARD TAPERED ENDS, CORNERS, AND END SPLICES.INSTALL ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. DRIVE STAKES BELOW TOP ELEVATION OF EDGING.

26. TREE GRATES: ASTM A48, CLASS 35 OR BETTER, GREY-IRON CASTINGS. SIZE AND SHAPE AS INDICATED ON DRAWINGS. FRAMES: ASTM A36 STEEL ANGLE, HOT-DIP GALVANIZED, OF SHAPE, PATTERN, AND SIZE INDICATED. FINISH:AS NOTED ON DRAWINGS. INSTALL ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. SET FLUSH WITH ADJOINING SURFACES. LEVEL WITH SOIL RESISTANT PLASTIC SHIMS. REMOVE PORTIONS OF GRATE CASTING ACCORDING TO MANUFACTURER'S INSTRUCTIONS TO MAINTAIN A MINIMUM 3 INCH GROWTH RADIUS AROUND BASE OF TREE.

27. SLOW-RELEASE WATERING DEVICE: STANDARD PRODUCT MANUFACTURED FOR DRIP IRRIGATION OF PLANTS AND EMPTYING ITS WATER CONTENTS OVER TWO TO NINE HOURS, MANUFACTURED FROM UV-STABILIZED NYLON-REINFORCED POLYETHYLENE SHEET, PVC, OR HDPE PLASTIC.BASIS OF DESIGN: TREEGATOR ORIGINAL. COLOR: MANUFACTURER'S STANDARD GREEN. PROVIDE ONE DEVICE FOR EACH TREE. PLACE ON TOP OF MULCH AND FILL WITH WATER ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

28. ROOT BARRIER: BLACK, MOLDED, MODULAR PANELS. DEPTH AS INDICATED ON DRAWINGS.85 MILS THICK WITH VERTICAL ROOT DEFLECTING RIBS PROTRUDING 3/4 INCH OUT FROM PANEL SURFACE;MANUFACTURED WITH A MINIMUM 50% RECYCLED POLYETHYLENE PLASTIC WITH UV INHIBITORS. INSTALL ROOT BARRIER WHERE TREES ARE PLANTED WITHIN 60 INCHES OF PAVING OR HARDSCAPE OVER WATER LINES, OR AS INDICATED ON DRAWINGS. POSITION TOP OF ROOT BARRIER ACCORDING TO MANUFACTURER'S INSTRUCTIONS. OVERLAP A MINIMUM OF 12 INCHES AT JOINTS;DO NOT INSTALL ROOT BARRIER AROUND ROOT BALL OF TREE.

29. ANTIDESSICANT: WATER-INSOLUBLE EMULSION, PERMEABLE MOISTURE READER, FILM FORMING, FOR TREES AND SHRUBS. DELIVER IN ORIGINAL, SEALED, AND FULLY LABELED CONTAINERS. MIX ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

30. BURLAP:NON-SYNTHETIC, BIODEGRADABLE.

31. PLANTER DRAINAGE GRAVEL: WASHED, SOUND CRUSHED STONE COMPLYING WITH ASTM D448 FOR SIZE NO. 57.

32. PLANTER FILTER FABRIC: NONWOVEN GEOTEXTILE MANUFACTURED FOR SEPARATION APPLICATIONS MADE OF POLYPROPYLENE, POLYONEFIN, OR POLYESTER FIBERS, OR A COMBINATION OF THEM.

33. EXAMINE AREAS TO RECEIVE PLANTS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH THE REQUIREMENTS OF THE WORK. VERIFY THAT NO FOREIGN OR DELETERIOUS MATERIAL SUCH AS PAINT, PAINT WASHOUT, CONCRETE SLURRY, CONCRETE CHUNKS OR LAYERS CEMENT, PLASTER, OIL, FUEL,PAINT THINNER, TAR, ROOFING COMPOUND, OR ACID HAS BEEN DEPOSITED IN SOIL WITHIN A PLANTING AREA. REMOVE CONTAMINATION OR DELETERIOUS MATERIALS AND REPLACE WITH NEW PLANTING SOIL.

34. VERIFY ADEQUATE OVERHEAD CLEARANCE FOR PLANT DELIVERY VEHICLES.

35. SUSPEND PLANTING OPERATIONS DURING PERIODS OF EXCESSIVE SOIL MOISTURE UNTIL RETURNED TO ACCEPTABLE LEVELS. UNIFORMLY MOISTEN DRY SOIL WHICH IS UNWORKABLE OR DUSTY.

36. PROTECT STRUCTURES, UTILITIES, PAVING, AND OTHER FACILITIES; TURF AREAS AND EXISTING PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.

37. LAYOUT INDIVIDUAL TREE AND SHRUB LOCATIONS AND AREAS FOR MASS PLANTINGS.STAKE LOCATIONS, OUTLINE AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT BEFORE EXCAVATING OR PLANTING. MAKE MINOR ADJUSTMENTS AS REQUIRED.

38. PREPARE PLANTING AREA FOR SOIL PLACEMENT; MIX AND PLACE PLANTING SOIL ACCORDING TO SOIL PREPARATION. BEFORE PLANTING,OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF FINISHED GRADING; RESTORE ANY AREA THAT ARE ERODED, SUBSIDED, OR OTHERWISE DISTURBED AFTER FINISH GRADING.

39. PLANTING PITS: EXCAVATE WITH SIDES SLOPING INWARD AT A 45° ANGLE, ROUGHLY 3 TIMES THE DIAMETER OF ROOT BALL/CONTAINER.EXCAVATIONS WITH VERTICAL SIDES ARE UNACCEPTABLE. TRIM PERIMETER OF BOTTOM LEAVING CENTER AREA SLIGHTLY RAISED TO SUPPORT ROOT BALL AND ASSIST IN DRAINAGE. ENSURE ROOT BALL WILL SIT ON UNDISTURBED BASE SOIL TO PREVENT SETTLING. DO NOT EXCAVATE DEEPER THAN DEPTH OF ROOT BALL (MEASURED FROM ROOT ADD SOIL TO RAISE TO CORRECT LEVEL AND THOROUGHLY TAMP TO PREVENT SETTLING. SCARIFY SIDES OF PLANTING PIT SMOOTHED BY EXCAVATION. DO NOT EXCAVATE SUBGRADES/SUBSTRATES OF ADJACENT PAVING, STRUCTURES, HARDSCAPES, OR OTHER IMPROVEMENTS. COVER OR PROTECT EXCAVATIONS LEFT UNATTENDED. SUBSOIL AND TOPSOIL REMOVED FROM EXCAVATIONS MAY BE USED FAS BACKFILL.

40. OBSTRUCTIONS: NOTIFY LANDSCAPE ARCHITECT IF UNEXPECTED ROCK OR OBSTRUCTIONS DETRIMENTAL TO TREES OR SHRUBS ARE ENCOUNTERED IN EXCAVATIONS.

41. DRAINAGE:NOTIFY LANDSCAPE ARCHITECT IF SUBSOIL CONDITIONS EVIDENCE UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PITS.

42. REMOVE SOIL AS NEEDED TO EXPOSE ROOT FLARE IF NOT VISIBLE.

43. REMOVE STEM GIRDLING AND KINKED ROOTS. REMOVE INJURED ROOTS BY CUTTING CLEANLY (DO NOT BREAK).

44. SET EACH PLANT PLUMB AND IN CENTER OF PLANTING PIT OR TRENCH WITH ROOT FLARE 1 INCH ABOVE ADJACENT FINISH GRADES. BACKFILL WITH PLANTING SOIL (FOR TREES, USE EXCAVATED SOIL). BACKFILL AROUND ROOT BALL IN LAYERS, TAMPING TO SETTLE SOIL AND ELIMINATE AIR POCKETS. WHEN PLANTING PIT IS APPROXIMATELY HALF FILLED,PLACE PLANTING TABLETS EQUALLY DISTRIBUTED AROUND EACH PLANTING PIT ABOUT 1 INCH FROM ROOT BALL AND WATER THOROUGHLY BEFORE PLACING REMAINING BACKFILL.REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. CONTINUE BACKFILLING AND WATER AGAIN AFTER PLACING AND TAMPING FINAL SOIL LAYER.

45. PRUNING: REMOVE ONLY DEAD, DYING, OR BROKEN BRANCHES. DO NOT PRUNE FOR SHAPE UNLESS DIRECTED BY LANDSCAPE ARCHITECT TO RETAIN NATURAL CHARACTER. DO NOT APPLY PRUNING PAINT TO WOUNDS.

46. CONTAINER PLANTING SOIL PLACEMENT: PLACE A LAYER OF DRAINAGE GRAVEL AT LEAST4 INCHES THICK IN BOTTOM OF PLANTER; COVER WITH FILTER FABRIC AND WRAP FILTER FABRIC 6 INCHES UP ON ALL SIDES. DUCT TAPE ALONG ENTIRE TOP EDGE OF FILTER FABRIC. FILL PLANTER WITH PLANTING SOIL IN LIGHTLY COMPACTED LAYERS UP TO AN ELEVATION OF 11/2" BELOW TOP OF PLANTER.

47. GROUNDCOVERS AND SMALL PLANTS: SET OUT AND SPACE AS INDICATED ON DRAWINGS IN EVEN ROWS WITH TRIANGULAR SPACING. USE PLANTING SOIL FOR BACKFILL. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS. WORK SOIL AROUND ROOTS TO ELIMINATE AIR POCKETS AND LEAVE A SLIGHT SAUCER INDENTATION AROUND PLANTS TO HOLD WATER.WATER THOROUGHLY AFTER PLANTING. PROTECT PLANTS FROM HOT SUN AND WIND.

48. APPLY MULCH OF TYPE REQUIRED FOR EACH PLANTING AREA, TO EXTENTS AND DEPTH INDICATED ON DRAWINGS.

49. MAINTAIN PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, MULCHING, RESTORING PLANT SAUCERS, ADJUSTING AND REPAIRING STABILIZATION DEVICES, RESETTING PLANTS TO PROPER GRADE AND PLUMB POSITION, AND PERFORMING OTHER OPERATIONS TO ESTABLISH HEALTHY, VIABLE PLANTINGS. FILL ANY SOIL SUBSIDENCE THAT MAY OCCUR BECAUSE OF SETTLING OR OTHER PROCESSES. REPLACE MULCH DAMAGED OR LOST. APPLY TREATMENTS TO KEEP PLANT MATERIALS, PLANTING AREAS, AND SOILS FREE OF PESTS, PATHOGENS, OR DISEASE. USE INTEGRATED PEST MANAGEMENT PRACTICES WHERE POSSIBLE.

50. REPAIR OR REPLACE EXISTING OR NEW TREES OR PLANTS DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT. REMOVE TREES THAT ARE MORE THAN 25% DEAD,IN UNHEALTHY CONDITION, OR DETERMINED BY LANDSCAPE ARCHITECT TO BE INCAPABLE OF RESTORING TO NORMAL GROWTH PATTERN BEFORE THE END OF THE CORRECTIONS PERIOD. PROVIDE NEW TREES OF SAME SIZE AND SPECIES AS THOSE BEING REPLACED FOR NEW TREES. PROVIDE TWO 4-INCH CALIPER TREES FOR EACH TREE LARGER THAN 8 INCH DBH DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES AND NOT OTHERWISE SCHEDULED TO BE REMOVED; SPECIES TO BE SELECTED BY LANDSCAPE ARCHITECT.

51. KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN AND MAINTAIN WORK AREA IN AN ORDERLY CONDITION. CLEAN VEHICLE WHEELS BEFORE LEAVING SITE TO AVOID TRACKING SOIL ONTO ROADS AND PAVED AREAS.

52. REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS AND UNSUITABLE SUBSOILS, TRASH, AND DEBRIS, AND LEGALLY DISPOSE OF THEM OFF SITE.

53. PROTECT PLANTS FROM DAMAGE BY OTHER TRADES. MAINTAIN PROTECTION DURING INSTALLATION ANDMAINTENANCE PERIODS.

54. REMOVE STAKES, TIE TAPE, WIRE, BURLAP, AND OTHER DEBRIS FROM PLANT MATERIAL AND PROJECT SITE BEFORE SUBSTANTIAL COMPLETION.REMOVE NURSERY TAGS AFTER LANDSCAPE ARCHITECT'S INSPECTION FOR PUNCH LIST.

55. VERIFY THAT TREE-WATERING DEVICES ARE IN WORK

LIGHTING, LUMINAIRE & PHOTOMETRIC NOTES:

PRODUCT & SCHEDULE NOTES

1 These Site Lighting Photometric Plans **DO NOT** convey any electrical connectivity information. All Electrical design and connection are to be provided by a professional electrical engineer or equally qualified specialist.

2 SEE Luminaire & Pole Cut Sheets for full product descriptions.

3 See Calculations and Schedules for photometric data and code related requirements.

LUMINAIRE NOTES

1 The included standards and photometric calculations are based on the AGI.32 Photometric Lighting Program designed to calculate the foot candle readings of lighting fixtures based on the imported data files provided by their manufacturers as illustrated in this plan set.

2 **Foot Candle Levels:** all foot candle levels illustrated are initial values based on manufacturer data calculated using no "Light Loss Factor" (LLF)

3 **Statistics:** the statistics noted herein were calculated within the project property parameters required by code, including offsite calculations required to assure that the maximum allowable spillage of light is maintained or less.

4 **Light Trespass:** Light levels must not exceed 0.5 foot candles on all property lines. For adjacent residential applications, this factor may not exceed 0.0 foot candles offset 10 feet from the property line. At a fifty foot (50') offset from all property lines, the photometric foot candles readings must be 0.0 in all other instances.

5 **Pole Height:** The pole heights are noted on the plans and/or by the Light Pole Cut Sheet.

6 **Shop Drawings:** the CONTRACTOR must submit shop drawings of all the specified lighting components and poles herein specified prior to the execution of work.

LIGHTING PERFORMANCE NOTES

1 If Lighting substitutions are made subsequent to the approval of these permit documents, the CONTRACTOR must submit shop drawings of the replacement fixture and/or pole and heights. These shop drawings must be complete with manufactures full breakdown of lighting components. Upon approval of the shop drawings, BOWMAN will be required to recalculate the photometrics and submit for modification to the Development Order. The CONTRACTOR assumes full risk of implementing any products that are herein specified prior to an approval from the jurisdictional agency when revisions are made.

2 All fixtures must be full cut-off style lighting systems.

3 For the Village of Estero; all lighting fixtures may not exceed 3,000 Kelvin in lighting temperatures.

v2024a

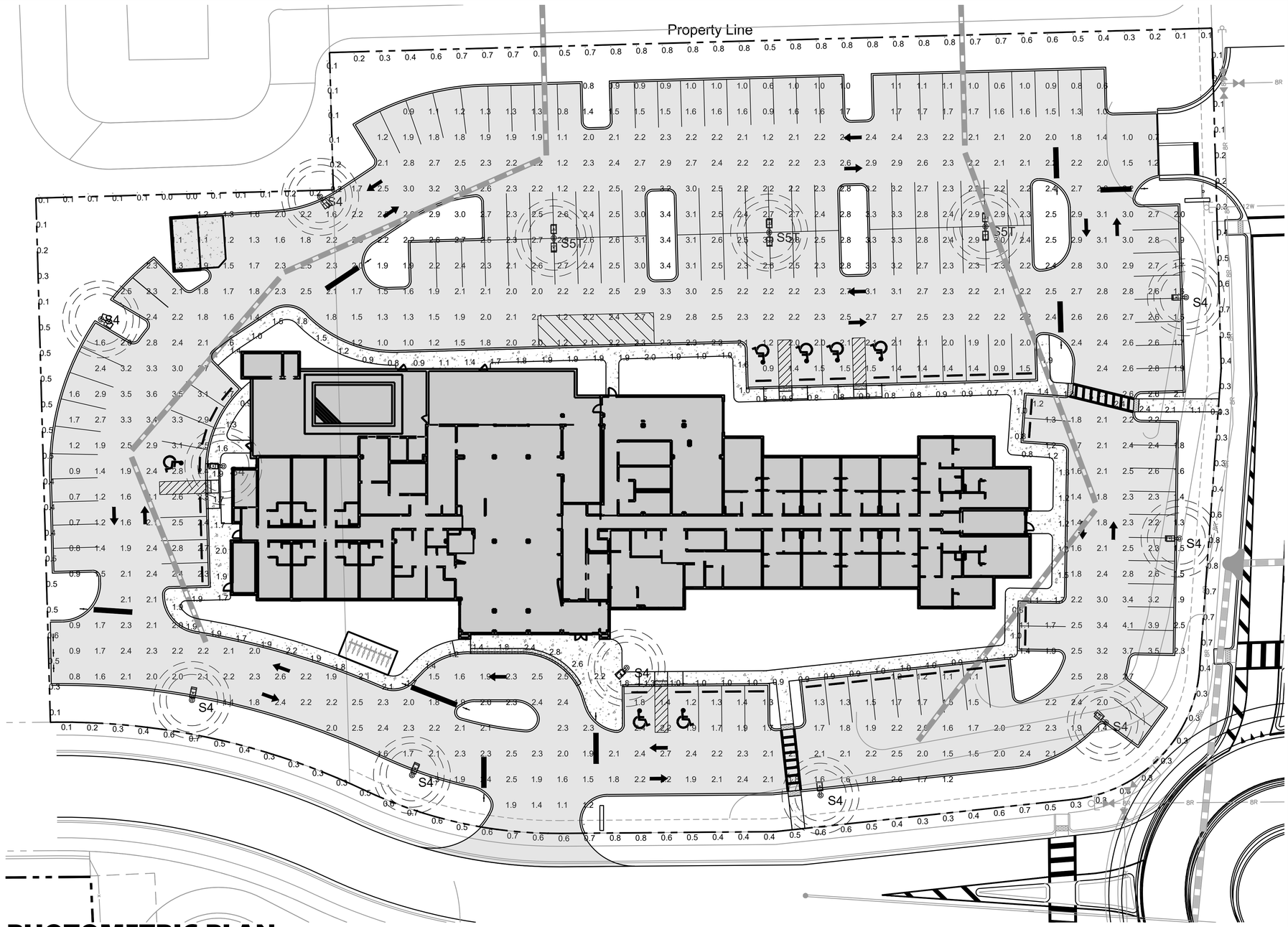
1 The CONTRACTOR is hereby notified that a Photometric Inspection of the executed lighting layout per plan is required as a prerequisite to receipt of a Certificate of Compliance. The CONTRACTOR will give the BOWMAN not less than 72-hours notice that the system is fully energized and ready for inspection. The system my have lights on during evening period in which to conduct the appropriate photometric inspections required by code.

2 The photometrics of this installation must be consistent with these approved permit drawings in effort to be certified as compliant therewith. Any deviations to these drawings without the appropriate notifications from the OWNER/APPLICANT of acceptance will be at the CONTRACTOR'S risk. Shop drawings of all fixtures and poles must be submitted prior to the request for certification as previously required and noted herein.

3 The CONTRACTOR is responsible for making all arrangements to have the lighting system inspected for compliance. The LANDSCAPE ARCHITECT/ENGINEER of Record shall be responsible for conducting said photometric inspections and shall coordinate the same with the local jurisdictional agency.

4 These drawings represent the layout and products to be utilized for the exterior lighting applications for this project. All electrical applications shall be executed by an Electrical Engineer or Licensed Contractor and must meet all requirements of local jurisdictional codes and safety standards.

5 These drawings as prepared by BOWMAN are solely for the purposes of lighting fixture and pole selections. locations, and exterior photometric affects. These drawings are not intended to be construed as electrical drawings or to define the necessary electrical systems required to support the lighting elements herein depicted.



PHOTOMETRIC PLAN:

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Mtg Height	BUG Rating
	10	S4	Single	Beacon VP-1-160L-100-4K7-4W	1.000	97.153	25	B2-U0-G3
	3	S5T	Back-Back	Beacon VP-1-160L-100-4K7-5QW	1.000	97.153	25	B4-U0-G2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	2.12	4.1	0.6	3.53	6.83
Property Line	Illuminance	Fc	0.45	0.8	0.0	N.A.	N.A.
Sidewalk	Illuminance	Fc	1.43	2.8	0.4	3.58	7.00

OUTDOOR SITE LIGHTING PHOTOMETRIC PLAN:

SCALE: 1" = 20'
0 10 20

Bowman
CERTIFICATE OF AUTHORIZATION LICENSE NO. 30462

BOWMAN CONSULTING GROUP, LTD.
FORT MYERS OFFICE
6200 WHISKY CREEK DRIVE
FORT MYERS, FL 33919
PHONE: (239) 985-1200
www.bowman.com

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MARRIOTT FAIRFIELD
APOPKA

OUTDOOR LIGHTING PHOTOMETRIC PLAN
Photometric Plan Applications
NWC of State Road 429 & Connector Road, Apopka, FL 33712
City of Apopka

011589-01-001
BOWMAN PROJECT NUMBER

REV#	REVISION	DATE
1	Updated Base	2026/05/05

MARIO ROJO JR., PLA
FL. PROF. LANDSCAPE ARCHITECT
REGISTRATION NO. 6667489

A.V. DESIGN	A.V. DRAWN	B.D. QA/QC

FILE #011589-01-001-LC01-MarriottFairfieldApopka
DATE: 2025/07/31
SET: 100 LIGHTING

LE-1.00
SHEET

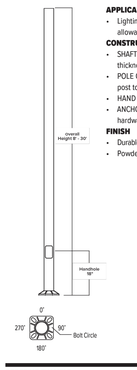
User: AMBER.VALDES Plot Date/Time: May 05, 26 - 10:05:54 Drawing: V:\011589 - Dorada Partners\011589-01-001 (ENG) - Marriott Fairfield Townefloca Suites\Engineering\Landscape Plans\PAEL\Civil\[020011589-01-001-LE02-Marriott Fairfield Apopka.dwg, LE-1.00

LIGHT POLE DIAGRAMS:
(BEACON - Sheet 1 of 3)

BEACON design · performance · technology

DATE: 8/6/25 LOCATION: Apopka, FL
TYPE: Polo PROJECT: Marriott Hotel
CATALOG #: RSA-B-SHO-S-25-50-C

RSA-B-SHO-S Series Poles
ROUND STRAIGHT ALUMINUM

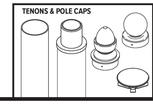


APPLICATIONS
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

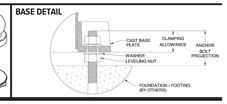
CONSTRUCTION
- SHAFT: One-piece straight aluminum with round cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Base plate of 356 cast aluminum.
- POLE CAP OR FINALS: Cap or decorative finials available for side mounted luminaires. Open top or tenons provided for post top mounted luminaires.
- HAND HOLE: Aluminum hand hole frame; Mounting provisions for grounding lug located behind cover
- ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in multiple colors; Custom colors available; RAL number preferable.

TENONS & POLE CAPS



BASE DETAIL

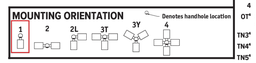


ORDERING EXAMPLE:

RSA-B-SHO-S- 16 - 40 - A/B/C - 2 - 2L - B3 - DBT - VM2

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	FINISH	OPTIONS
RSA-B-SHO-S Round Straight Aluminum Pole Beacon Smooth	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 3Y Three at 120° 4 Four fixtures at 90° OT[1] Open top (includes pole cap) TN3[2] Tenon 3 x 3[4] TN4[2] Tenon 3 x 4[4] TN5[2] Tenon 4 x 5[4] TN8[2] Tenon 4 x 8[4]	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured **Color Option** CC Custom Color	GFI[3] 20 Amp GFCI Receptacle and Cover EHH[4] Extra Handhole COS[5] 5" Coupling CO7[5] 7.5" Coupling C20[5] 2" Coupling VM2 2nd mode vibration damper LAB Less Anchor Bolts

MOUNTING ORIENTATION



1 Specify option location using logic found on page 2 **(Option Orientation)**
2 TN3 and TN4 not available on 3" diameter poles
3 TN5 and TN8 not available on 4" diameter poles
4 Specify pole top

ACCESSORIES - Order Separately

Catalog Number	Description
VM2SXX	2nd mode vibration damper

DRILL PATTERN

B1 Cruzer, "AM" arm
B3 2 bolt (2-½" spacing), Viper "A" arm
S2 2 bolt (3-½" spacing), Viper "AD" arm

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LIGHT POLE DIAGRAMS:
(BEACON - Sheet 2 of 3)

BEACON design · performance · technology

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

RSA-B-SHO-S Series Poles
ROUND STRAIGHT ALUMINUM

ORDERING INFORMATION Cont.

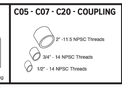
Catalog Number	Height Feet	Height Meters	Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Square	Base Plate Size	Anchor Bolt Size	Bolt Projection	Pole weight (lbs)
RSA-B-SHO-S-08-40-A	8	2.4	4"	0.125	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	20
RSA-B-SHO-S-10-40-A	10	3	4"	0.125	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	24
RSA-B-SHO-S-12-40-A	12	3.7	4"	0.125	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	27
RSA-B-SHO-S-14-40-A	14	4.3	4"	0.125	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	31
RSA-B-SHO-S-12-40-B	12	3.7	4"	0.188	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	37
RSA-B-SHO-S-14-40-B	14	4.3	4"	0.188	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	43
RSA-B-SHO-S-16-40-B	16	4.9	4"	0.188	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	48
RSA-B-SHO-S-18-40-B	18	5.5	4"	0.188	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	53
RSA-B-SHO-S-20-40-B	20	6.1	4"	0.188	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	59
RSA-B-SHO-S-16-40-C	16	4.9	4"	0.25	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	61
RSA-B-SHO-S-18-40-C	18	5.5	4"	0.25	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	68
RSA-B-SHO-S-20-40-C	20	6.1	4"	0.25	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	75
RSA-B-SHO-S-22-40-C	22	6.7	4"	0.25	7"	4.95"	8.5" Square	5/8 x 24 x 3	3"	82
RSA-B-SHO-S-12-50-B	12	3.7	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	46
RSA-B-SHO-S-14-50-B	14	4.3	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	52
RSA-B-SHO-S-16-50-B	16	4.9	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	59
RSA-B-SHO-S-18-50-B	18	5.5	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	66
RSA-B-SHO-S-20-50-B	20	6.1	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	73
RSA-B-SHO-S-25-50-B	25	7.6	5"	0.188	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	91
RSA-B-SHO-S-18-50-C	18	5.5	5"	0.25	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	85
RSA-B-SHO-S-20-50-C	20	6.1	5"	0.25	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	93
RSA-B-SHO-S-22-50-C	22	6.7	5"	0.25	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	102
RSA-B-SHO-S-24-50-C	24	7.3	5"	0.25	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	111
RSA-B-SHO-S-25-50-C	25	7.6	5"	0.25	8.5"	6.0"	9.0" Square	3/4 x 30 x 3	3-1/4"	116
RSA-B-SHO-S-14-60-A	14	4.3	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	44
RSA-B-SHO-S-16-60-A	16	4.9	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	49
RSA-B-SHO-S-18-60-A	18	5.5	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	55
RSA-B-SHO-S-20-60-A	20	6.1	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	60
RSA-B-SHO-S-22-60-A	22	6.7	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	65
RSA-B-SHO-S-24-60-A	24	7.3	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	71
RSA-B-SHO-S-25-60-A	25	7.6	6"	0.125	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	74
RSA-B-SHO-S-18-60-C	18	5.5	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	101
RSA-B-SHO-S-20-60-C	20	6.1	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	112
RSA-B-SHO-S-22-60-C	22	6.7	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	123
RSA-B-SHO-S-24-60-C	24	7.3	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	133
RSA-B-SHO-S-25-60-C	25	7.6	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	138
RSA-B-SHO-S-30-60-C	30	9.1	6"	0.25	9.5"	6.72"	10.25" Square	3/4 x 30 x 3	3-1/2"	163

NOTE Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

EHH - EXTRA HANDHOLE



C05 - C07 - C20 - COUPLING

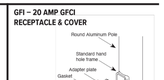


VM2 - VIBRATION DAMPER 2ND MODE

Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.



GFI – 20 AMP GFCI RECEPTACLE & COVER



OPTION ORIENTATION
Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: **RSA-B-SHO-S16-40B-TN3-DBT-C05-0-15** | 5" coupling on the handhole/arm side of pole, 15 feet up from the pole base| 0° spacing required between option. Consult factory for other configurations.

VM2SXX - VIBRATION DAMPER 2ND MODE
Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2508 – 8'
VM2512 – 12'
VM2516 – 16'
VM2520 – 20'
VM2524 – 24'

For more information about pole vibration and vibration dampers, please consult our website.
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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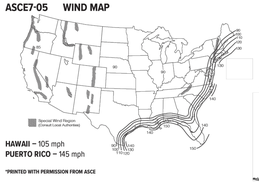
LIGHT POLE DIAGRAMS:
(BEACON - Sheet 3 of 3)

BEACON design · performance · technology

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

RSA-B-SHO-S Series Poles
ROUND STRAIGHT ALUMINUM

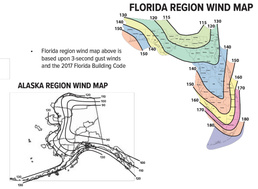
ASCE7-05 WIND MAP



HAWAII – 105 mph
PUERTO RICO – 145 mph

*PRINTED WITH PERMISSION FROM ASCE

FLORIDA REGION WIND MAP



- Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

ALASKA REGION WIND MAP



ASCE 7-05 wind mph EPA Load Rating - 3 second gust wind speeds										
Catalog Number	85	90	100	105	110	120	130	140	145	150
RSA-B-SHO-S-08-40-A	12.2	10.8	8.6	7.7	6.9	5.6	4.8	4.1	3.8	3.5
RSA-B-SHO-S-10-40-A	9.0	7.9	6.2	5.5	4.8	3.9	3.2	2.7	2.5	2.3
RSA-B-SHO-S-12-40-A	7.0	6.0	4.4	3.8	3.3	2.5	2.0	1.6	1.5	1.3
RSA-B-SHO-S-14-40-A	5.2	4.3	3.0	2.5	2.0	1.4	1.0	0.8	0.7	0.6
RSA-B-SHO-S-12-40-B	10.7	9.4	7.3	6.5	5.7	4.6	3.8	3.2	3.0	2.7
RSA-B-SHO-S-14-40-B	8.4	7.3	5.6	4.9	4.2	3.3	2.7	2.2	2.0	1.9
RSA-B-SHO-S-16-40-B	6.6	5.7	4.2	3.6	3.0	2.2	1.8	1.4	1.3	1.1
RSA-B-SHO-S-18-40-B	5.1	4.3	3.0	2.4	2.0	1.3	1.0	0.7	0.6	0.5
RSA-B-SHO-S-20-40-B	3.8	3.1	2.0	1.5	1.1	0.5	NR	NR	NR	NR
RSA-B-SHO-S-16-40-C	9.1	7.9	6.0	5.3	4.6	3.5	2.9	2.4	2.3	2.0
RSA-B-SHO-S-18-40-C	7.3	6.3	4.6	3.9	3.3	2.4	1.9	1.6	1.4	1.2
RSA-B-SHO-S-20-40-C	5.7	4.8	3.4	2.8	2.3	1.5	1.1	0.8	0.7	0.6
RSA-B-SHO-S-22-40-C	4.4	3.6	2.3	1.8	1.3	0.7	NR	NR	NR	NR
RSA-B-SHO-S-12-50-B	18.1	16.0	12.9	11.7	10.6	8.9	7.5	6.4	5.9	5.5
RSA-B-SHO-S-14-50-B	14.6	12.8	10.2	9.2	8.4	7.0	5.8	5.0	4.6	4.3
RSA-B-SHO-S-16-50-B	11.9	10.3	8.1	7.3	6.6	5.4	4.5	3.8	3.5	3.3
RSA-B-SHO-S-18-50-B	9.5	8.2	6.3	5.7	5.1	4.2	3.4	2.8	2.6	2.4
RSA-B-SHO-S-20-50-B	7.5	6.4	4.8	4.3	3.8	3.0	2.4	2.0	1.8	1.6
RSA-B-SHO-S-25-50-B	3.8	2.9	1.9	1.6	1.3	0.9	0.6	NR	NR	NR
RSA-B-SHO-S-18-50-C	13.2	11.5	9.1	8.2	7.4	6.1	5.1	4.3	4.0	3.7
RSA-B-SHO-S-20-50-C	10.8	9.3	7.2	6.5	5.8	4.8	3.9	3.3	3.0	2.7
RSA-B-SHO-S-22-50-C	8.7	7.6	5.6	5.0	4.5	3.6	2.9	2.4	2.2	2.0
RSA-B-SHO-S-24-50-C	7.0	5.8	4.3	3.8	3.3	2.6	2.1	1.6	1.5	1.3
RSA-B-SHO-S-25-50-C	6.0	4.7	3.2	2.8	2.4	1.8	1.3	1.0	0.8	0.6
RSA-B-SHO-S-14-60-A	22.9	20.5	16.6	15.0	13.7	11.4	9.7	8.3	7.7	7.2
RSA-B-SHO-S-16-60-A	19.0	17.0	13.7	12.4	11.3	9.4	7.9	6.8	6.3	5.8
RSA-B-SHO-S-18-60-A	15.7	14.0	11.3	10.2	9.2	7.6	6.4	5.4	5.0	4.7
RSA-B-SHO-S-20-60-A	12.9	11.4	9.1	8.2	7.4	6.1	5.1	4.3	4.0	3.7
RSA-B-SHO-S-22-60-A	10.5	9.3	7.4	6.6	6.0	4.9	4.0	3.3	3.1	2.8
RSA-B-SHO-S-24-60-A	8.6	7.5	5.9	5.3	4.7	3.8	3.1	2.5	2.3	2.1
RSA-B-SHO-S-25-60-A	3.7	3.2	2.2	1.9	1.6	1.1	0.8	0.5	NR	NR
RSA-B-SHO-S-18-60-C	21.4	19.1	15.5	14.0	12.7	10.6	9.0	7.7	7.1	6.6
RSA-B-SHO-S-20-60-C	17.9	15.9	12.8	11.6	10.5	8.7	7.4	6.3	5.8	5.4
RSA-B-SHO-S-22-60-C	15.0	13.3	10.7	9.6	8.7	7.2	6.0	5.1	4.7	4.3
RSA-B-SHO-S-24-60-C	12.5	11.1	8.8	7.9	7.1	5.9	4.9	4.1	3.7	3.4
RSA-B-SHO-S-25-60-C	10.2	8.9	6.9	6.1	5.4	4.3	3.5	2.8	2.6	2.3
RSA-B-SHO-S-30-60-C	6.0	5.1	3.7	3.2	2.7	2.0	1.5	1.1	0.9	0.7

Florida Building Code 2014 EPA Load Rating - 3 second gust wind speeds								
Catalog Number	115	120	130	140	150	160	170	180
RSA-B-SHO-S-08-40-A	9.0	8.1	6.8	5.6	4.7	4.0	3.7	3.5
RSA-B-SHO-S-10-40-A	6.4	5.8	4.7	3.8	3.2	2.5	2.4	2.3
RSA-B-SHO-S-12-40-A	4.6	4.1	3.2	2.4	1.8	1.3	1.1	0.9
RSA-B-SHO-S-14-40-A	3.2	2.8	2.0	1.4	0.9	0.4	NR	NR
RSA-B-SHO-S-12-40-B	7.6	6.9	5.6	4.5	3.7	2.9	2.7	2.5
RSA-B-SHO-S-14-40-B	5.8	5.1	4.0	3.1	2.4	1.8	1.5	1.2
RSA-B-SHO-S-16-40-B	4.3	3.7	2.7	2.0	1.3	0.8	0.5	NR
RSA-B-SHO-S-18-40-B	3.0	2.5	1.7	1.0	0.4	NR	NR	NR
RSA-B-SHO-S-20-40-B	1.9	1.5	0.7	NR	NR	NR	NR	NR
RSA-B-SHO-S-16-40-C	6.2	5.5	4.3	3.3	2.5	1.9	1.7	1.5
RSA-B-SHO-S-18-40-C	4.6	4.0	3.0	2.1	1.5	0.9	0.7	0.5
RSA-B-SHO-S-20-40-C	3.3	2.8	1.9	1.2	0.6	NR	NR	NR
RSA-B-SHO-S-22-40-C	2.3	1.8	1.0	NR	NR	NR	NR	NR
RSA-B-SHO-S-12-50-B	13.2	12.0	9.9	9.4	8.0	6.8	5.9	5.1
RSA-B-SHO-S-14-50-B	10.4	9.3	7.5	7.0	6.3	5.3	4.5	3.8
RSA-B-SHO-S-16-50-B	8.0	7.1	5.6	5.3	4.9	4.0	3.3	2.7
RSA-B-SHO-S-18-50-B	6.1	5.3	3.9	3.4	3.7	3.0	2.3	1.8
RSA-B-SHO-S-20-50-B	4.4	3.7	2.9	2.8	2.7	2.1	1.5	1.1
RSA-B-SHO-S-25-50-B	1.3	1.0	0.7	0.5	NR	NR	NR	NR
RSA-B-SHO-S-18-50-C	8.9	7.9	6.2	5.8	5.4	4.5	3.7	3.1
RSA-B-SHO-S-20-50-C	6.9	6.0	4.9	4.6	4.4	3.6	3.1	2.7
RSA-B-SHO-S-22-50-C	5.2	4.4	3.9	3.6	3.2	2.5	1.9	1.3
RSA-B-SHO-S-24-50-C	3.8	3.1	3.0	2.7	2.3	1.7	1.1	0.7
RSA-B-SHO-S-25-50-C	2.9	2.2	2.0	1.9	1.7	1.1	0.6	NR
RSA-B-SHO-S-14-60-A	11.5	10.5	8.6	7.2	6.0	5.0	4.2	3.5
RSA-B-SHO-S-16-60-A	9.3	8.4	6.8	5.6	4.5	3.7	2.9	2.3
RSA-B-SHO-S-18-60-A	7.4	6.6	5.3	4.2	3.3	2.5	1.9	1.4
RSA-B-SHO-S-20-60-A	5.9	5.2	4.0	3.0	2.2	1.6	1.0	0.6
RSA-B-SHO-S-22-60-A	4.6	4.0	2.9	2.0	1.3	0.8	NR	NR
RSA-B-SHO-S-24-60-A	3.5	2.9	2.0	1.2	0.6	NR	NR	NR
RSA-B-SHO-S-25-60-A	3.4	2.8	1.8	1.0	NR	NR	NR	NR
RSA-B-SHO-S-18-60-C	16.5	15.0	12.5	10.4	8.8	7.4	6.2	5.2
RSA-B-SHO-S-20-60-C	13.8	12.5	10.3	8.5	7.0	5.8	4.8	4.0
RSA-B-SHO-S-22-60-C	11.6	10.5	8.5	6.9	5.6	4.5	3.6	2.9
RSA-B-SHO-S-24-60-C	9.8	8.7	7.0	5.5	4.4	3.4	2.6	1.9
RSA-B-SHO-S-25-60-C	8.3	7.3	5.6	4.2	3.2	2.3	1.5	0.9
RSA-B-SHO-S-30-60-C	5.0	4.2	2.9	1.8	0.9	NR	NR	NR

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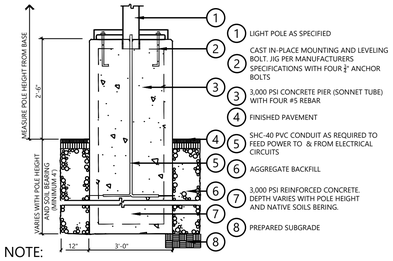
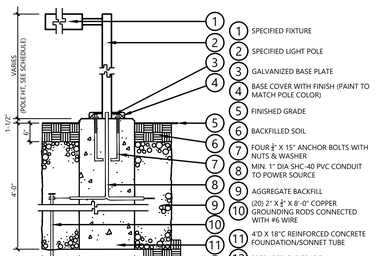


NOTE:
THIS POLE MOUNTING DETAIL NO. 2 MAY ONLY BE USED IN PARKING AREAS WHERE THE POLE IS PROTECTED BY WHEEL STOPS THAT WILL PREVENT ANY VEHICLE FROM MAKING CONTACT WITH THE POLE. OTHERWISE THIS DETAIL MUST BE USED. DIRECT BURY POLES MAY NOT BE USED IN PAVED PARKING AREAS.

1 TYPICAL LIGHT POLE TUBE MOUNT (Alt for DB)
NOT TO SCALE

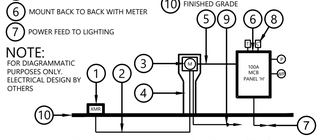


NOTE:
THIS POLE MOUNTING DETAIL MAY ONLY BE USED IN PARKING AREAS WHERE THE POLE IS PROTECTED BY WHEEL STOPS THAT WILL PREVENT ANY VEHICLE FROM MAKING CONTACT WITH THE POLE. OTHERWISE DETAIL NO. 1 MUST BE USED. DIRECT BURY POLES MAY NOT BE USED IN PAVED PARKING AREAS.

2 TYPICAL LIGHT POLE GROUND MOUNT (Alt for DB)
NOT TO SCALE

ALL ELECTRICAL COMPONENTS TO BE DESIGNED AND VALIDATED BY A PROFESSIONAL ELECTRICAL ENGINEER

1 120/240v XMR
2 1-1/4"C WITH (3) #3 THWN CU
3 MIN. 100 AMP METER. MOUNT TO PEDESTAL
4 BANJO PEDESTAL. PAINT DARK BROWN.
5 1"C WITH (3) #3 THWN CU & (1) #8 CU GROUND.
6 MOUNT BACK TO BACK WITH METER
7 POWER FEED TO LIGHTING
8 INSTALL SURGE COMPRESSOR AS CLOSE AS POSSIBLE TO MAIN IN ENCLOSURE
9 PROVIDE A SERVICE GROUND IN ACCORDANCE WITH N.E.C. ARTICLE 250. PART H MIN. INSTALLATION TO INCLUDE FOOTER AND FOUNDATION WITH REINFORCING STEEL. STEEL ROD DRIVEN INTO GROUND (MIN. ½" X 8 FEET DEEP) WITH #6 COPPER GROUND CONDUCTOR (MIN.)
10 FINISHED GRADE



NOTE:
FOR DIAGRAMMATIC PURPOSES ONLY. ELECTRICAL DESIGN BY OTHERS

3 ELECTRICAL RISER DIAGRAM
NOT TO SCALE - ONLY FOR REFERENCE PURPOSES

LIGHTING SPECIFICATIONS & GUIDELINES:

GENERAL NOTES & REQUIREMENTS:

1 The Electrical CONTRACTOR must comply with the Standard Building Codes (including the National Electric Code (NEC)) and all local codes as may be applicable. Submittal of Shop Drawings for all components herein specified is required prior to ordering. Any shipment or installation conducted without approved shop drawings will be at the CONTRACTOR'S risk.

2 The work herein depicted will include all labor, materials, permits, and costs for the installation of a complete lighting system. These drawings are for product and material specification for photometric lighting calculations as required by code. The products and materials herein specified must be followed or the photometric calculations required by code and the approved permit documents will become void. The CONTRACTOR assumes full responsibility for meeting these requirements and providing all associated electrical components and requirements to energize the system as intended.

3 All equipment, fixtures, outlets, etc. must be started, tested, adjusted, and placed in satisfactory operating condition by the CONTRACTOR who shall guarantee all workmanship, materials, and equipment to be free of defects for a period of not less than one-year from the time of final certification of occupancy or compliance. The CONTRACTOR will provide such repairs, replacements, and/or adjustments without cost to the Owner. All equipment shall be covered for the duration of the manufacturer's guarantee or warranty periods. The CONTRACTOR shall provide the Owner with all manufacturer's guarantees and warranties prior to final payment.

4 All Wire size must meet the minimum guidelines set by the NEC and the manufacturers, whichever is more stringent.

5 No "Wafer" or "Piggyback" breakers will be permitted and are strictly prohibited.

6 No circuit runs or devises are shown or implied by these drawings. The CONTRACTOR must employ all necessary components to properly energize the lighting layout herein depicted under the required guidelines, standards, and specifications given.

7 No piping or ductwork of any kind will be installed above an electrical switchboard or panelboard. A clearance of thirty-six inches (36") minimum must be maintained in front of any electrical equipment for the entire length of that equipment, plus an additional twelve-inches (12") per side. This from floor to slab above.

8 Any conduits provided without wire must include pull strings, secure, and labeled at each end.

9 All exterior lighting (fixtures, poles, and associated elements) must be certified to withstand wind loads defined by Local Code or State Statute.

10 Any existing or recently installed vegetation, walkways, paved areas, building related elements, or exterior hardscape items damaged by the execution of these documents will be the sole responsibility of the CONTRACTOR to remedy to the satisfaction of the OWNER.

NOTICE TO CONTRACTOR:

1 Any revisions to these drawings and the specified products herein illustrated will require revisions to the approved Development Order and the resubmittal and review of those revisions by the applicable Jurisdictional Agency.

2 Any cutting and patching of asphalt or concrete to execute the electrical system in support of the lighting layout herein depicted must be included in the CONTRACTOR'S bid.

3 PVC conduit may be used underground by adding an equipment grounding conductor, sized per NEC. All exposed conduit shall be rigid (including outside stub-outs) non corrosive metal fittings. EMT conduit shall be used in other locations inside of buildings or as specified by the Electrical Engineer. ALL wiring must be within conduits.

4 e

5 The CONTRACTOR must make particular attention to pole heights, specified fixtures, and fixture heights, along with the pole locations and execute accordingly. These Photometric Drawings have been approved base on this a specific information and must be certified as compliant. Any changes to these elements will require additional permitting submittals and an extension of time in order to review and receive these approvals. If the CONTRACTOR has made any of these changes without the specific approval of the Owner/Applicant, the CONTRACTOR will become fully responsible for the added professional and permitting expenses and any damages incurred due to the loss of time.

v.2024a

ELECTRICAL CONNECTIONS

NOTICE TO OWNER/CONTRACTOR:

1 These drawings are strictly limited to the purpose of Exterior Lighting Fixture Selections, Pole Type and locations, and corresponding Photometric Calculations as required by local code. These

PRODUCT & MATERIAL CUT SHEETS:

TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 1 of 6)

BEACON

VIPER Area/Site
VIPER LUMINAIRE

DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

MICRO STRIKE | STRIKE optics



SIZE 1 | SIZE 2 | SIZE 3 | SIZE 4

c UL us IP65 | DLC LISTED | DLC LISTED PREMIUM | BAA | TAA

CONTROL TECHNOLOGY
NX NX NX LIGHTGRID

SERVICE PROGRAMS
STOCK QS10

SPECIFICATIONS

CONSTRUCTION
- One-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS
- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (96, 72, 108, or 162 LED counts) provide best in class distributions and maximum efficiency. Strike optics are designed for high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination while minimizing wasted light and reducing trespassing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION
- Mounting patterns for each arm can be found on page 5
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included
- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater that 20ft, a vibration damper is recommended

ELECTRICAL
- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire. In the event of a driver failure, the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

CONTROLS
- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V Dimming Drivers are standard.
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control modules, features dimming and occupancy sensor. Also available in 7-pin configuration

	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 120	1.037	1.266	1.512	1.646	
Three at 90	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

CERTIFICATIONS
- DLC® DesignLights Consortium Qualified, with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to http://www.designlights.org for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets DOA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product needs federal procurement law requirements under the Buy American Act (FAR 52.225-1) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions)
- FCC CFR Title 47 Part 15, Class A

WARRANTY
- 5 year warranty

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TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 2 of 6)

BEACON

VIPER Area/Site
VIPER LUMINAIRE

DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

Key Inquiry | Service Program: QS10 Limit of 15 Luminaires

MICROSTRIKE OPTICS – ORDERING GUIDE

Example: VP–2–320L-145–3K7–2–R–UNV–A3–BLT

CATALOG # VPI-160L-100-4K7-4W/SQW-UNV-A_U

VP		1	160L-100	5K7	4W		UNV
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper Area	BLANK Micro-Strike	1 Size 1	160L-35 * 35W - 5,500 Lumens	AP All-Amber Phosphor Converted	2 Type 2	BLANK No Rotation	UNV 120-277V
			160L-50 * 50W - 7,500 Lumens	27K8 2700K, 80 CRI	3 Type 3	L Optic rotation left	120 120V
			160L-72 72W - 10,000 Lumens	3K7 3000K, 70 CRI	4F Type 4 Forward	R Optic rotation right	208 208V
			160L-100 100W - 12,500 Lumens	3K8 3000K, 80 CRI	4W Type 4 Wide		240 240V
			160L-115 115W - 15,000 Lumens	35K8 3500K, 80 CRI	SQW Type 5 Square Wide		277 277V
			160L-135 135W - 18,000 Lumens	3K9 3000K, 90 CRI			347 347V
			160L-160 160W - 21,000 Lumens	4K7 4000K, 70 CRI			480 480V
	2 Size 2		320L-145 145W - 21,000 Lumens	4K8 4000K, 80 CRI			
			320L-170 170W - 24,000 Lumens	4K9 4000K, 90 CRI			
			320L-185 185W - 27,000 Lumens	5K7 5000K, 70 CRI			
			320L-210 210W - 30,000 Lumens	5K8 5000K, 80 CRI			
			320L-235 235W - 33,000 Lumens	BLUE 450-455 nm			
			320L-255 255W - 36,000 Lumens				
	3 Size 3		320L-315 * 315W - 40,000 Lumens				
			480L-285 285W - 40,000 Lumens				
			480L-320 320W - 44,000 Lumens				
			480L-340 340W - 48,000 Lumens				
			480L-390 390W - 52,000 Lumens				
			480L-425 425W - 55,000 Lumens				
	4 Size 4		480L-470 * 470W - 60,000 Lumens				
			720L-435 435W - 60,000 Lumens				
			720L-475 475W - 65,000 Lumens				
			720L-515 515W - 70,000 Lumens				
			720L-565 * 565W - 75,000 Lumens				
			720L-600 * 600W - 80,000 Lumens				
			CLO Custom Lumen Output *				

A_U		Color		Options		Network Control Options	
Mounting		BLT	Black Matte Textured	F	Fusing	NXWS-NLF	NX Networked Wireless Enabled Integral NXSMPO-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming 1,2,4
A	Arm mount for square pole (B3 Drill Pattern) (Does not include round pole adapter)	BLS	Black Gloss Smooth	2PF	Dual Power Feed	NXWS-40F	NX Networked Wireless Enabled Integral NXSMPO-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming 1,2,4
A_	Arm mount for round pole *	DBT	Dark Bronze Matte Textured	2DR	Dual Driver	NXW	NX Networked Wireless Radio Module NXMAD and Bluetooth Programming, without Sensor 3,4
ASQU	Universal arm mount for round pole *	DBS	Dark Bronze Gloss Smooth	TE	Tooless Entry	WIR	LightGRID+ In-Fixture Module 3,4
AAU	Adjustable arm for pole mounting (universal drill pattern)	GTT	Graphite Matte Textured	BC	Backlight Control *	WIRSC-NLF	LightGRID+ Module and Occupancy Sensor NLF Mounting Height 3,4
AA_U	Adjustable arm mount for round pole *	LGS	Light Grey Gloss Smooth	TB	Terminal Block	WIRSC-40F	LightGRID+ Module and Occupancy Sensor 40ft Mounting Height 3,4
ADU	Decorative upswept arm (universal drill pattern)	LGT	Light Grey Gloss Textured	LS	Lumen Switch	**Stand Alone Sensors**	
AD_U	Decorative upswept arm mount for round pole *	PSS	Platinum Silver Smooth			BTS-NF	Bluetooth® Programmable, BTSMPO-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured			BTS-40F	Bluetooth® Programmable, BTSMPO-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
K	Knuckle	WHS	White Gloss Smooth			BTSD-12F	Bluetooth® Programmable, BTSMP-DMN-0 PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
T	Trunnion	VGT	Verde Green Textured			7PR	7-Pin Receptacle *
WB	Wall Bracket, horizontal tenon with MAF	**Color Option**				7PR-SC	7-Pin Receptacle with shorting cap *
WM	Wall mount bracket with decorative upswept arm	CC	Custom Color			7PR-TL	7-Pin PCR with NEMA photocontrol *
WA	Wall mount bracket with adjustable arm					3PR	3-Pin Receptacle *
						3PR-SC	3-Pin receptacle with shorting cap *
						3PR-TL	3-Pin PCR with NEMA photocontrol *
						Programmed Controls	
						SCP_F	Sensor Control Programmable, 8F or 40F *
						ADD	AutoDim Timer Based Dimming 10
						ADT	AutoDim Time of Day Dimming 10

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information.
2 – Replace "_" with "3" for 3.5"-4.0" OD pole, "4" for 4.18"-5.26" OD pole, "5" for 5.5"-6.5" OD pole
3 – Networked Controls cannot be combined with other control options.
4 – Not available with 2PF option
5 – Not available with Dual Driver option
6 – Some voltage restrictions may apply when combined with controls
7 – Not available with 480V
8 – Not available with SCP and type 5 distributions
9 – At least one SCP/RMOTE required to program SCP motion sensor. Must select BR or 40R.
10 - Please refer to page 8 for AutoDim ordering guide

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TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 3 of 6)

BEACON

VIPER Area/Site
VIPER LUMINAIRE

DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS				160			
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS				320			
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS				480			
NOMINAL WATTAGE	285	320	340	390	425	470	
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468	
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	2.38	2.67	2.83	3.25	3.54	3.92	
208	1.37	1.54	1.63	1.88	2.04	2.25	
240	1.19	1.33	1.42	1.63	1.77	1.96	
277	1.03	1.16	1.23	1.41	1.53	1.70	
347	0.82	0.92	0.98	1.12	1.22	1.35	
480	0.59	0.67	0.71	0.81	0.89	0.98	

# OF LEDS				720		
NOMINAL WATTAGE	435	475	515	565	600	
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9	
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	3.63	3.96	4.29	4.71	5.00	
208	2.09	2.28	2.48	2.72	2.88	
240	1.81	1.98	2.15	2.35	2.50	
277	1.57	1.71	1.86	2.04	2.17	
347	1.25	1.37	1.48	1.63	1.73	
480	0.91	0.99	1.07	1.18	1.25	

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TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 4 of 6)

BEACON

VIPER Area/Site
VIPER LUMINAIRE

DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

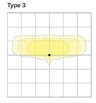
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

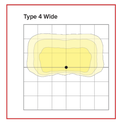
Type 2



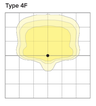
Type 3



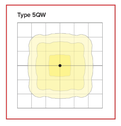
Type 4 Wide



Type 4F



Type SQW



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TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 5 of 6)

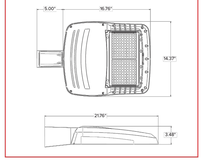
BEACON

VIPER Area/Site
VIPER LUMINAIRE

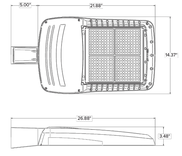
DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

DIMENSIONS

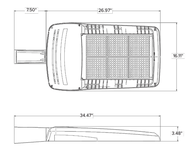
SIZE 1



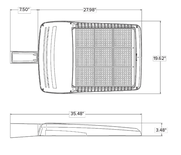
SIZE 2



SIZE 3



SIZE 4



	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 120	1.037	1.266	1.512	1.646	
Three at 90	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

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TYPE 'S4 & S5T' LUMINAIRE:
(BEACON VIPER - Sheet 6 of 6)

BEACON

VIPER Area/Site
VIPER LUMINAIRE

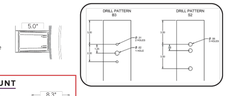
DATE: 8/6/25 | LOCATION: Apopka, FL
TYPE: S4, S5 | PROJECT: Marriott Hotel
CATALOG #: VPI-160L-100-4K7-4W/SQW-UNV-A_U

MOUNTING



A–STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)





ASQU–UNIVERSAL ARM MOUNT

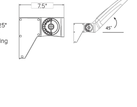
Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)





AAU–ADJUSTABLE ARM FOR POLE MOUNTING

Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5° aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





ADU–DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).





MAF–MAST ARM FITTER

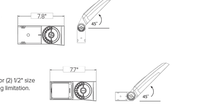
Fits 2-3/8" OD horizontal tenons.





K–KNUCKLE

Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





T–TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



WM–WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



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LIGHTING PRODUCT & MATERIAL CUT SHEETS:

Bowman
CERTIFICATE OF AUTHORIZATION LICENSE NO. 30462
BOWMAN CONSULTING GROUP, LTD.
FORT MYERS OFFICE
6200 WHISKY CREEK DRIVE
FORT MYERS, FL 33919
PHONE: (239) 985-1200
www.bowman.com
© 2024 Bowman Consulting Group Ltd
(All Rights Reserved)

MARRIOTT FAIRFIELD
APOPKA
NWC of State Road 429 & Connector Road, Apopka, FL 33712

OUTDOOR LIGHTING PHOTOMETRIC PLAN
Lighting Material & Product Cut Sheets (Sheet 2 of X)
City of Apopka

011589-01-001
BOWMAN PROJECT NUMBER

REV#	REVISION	DATE
1	Updated Base	2026/05/05

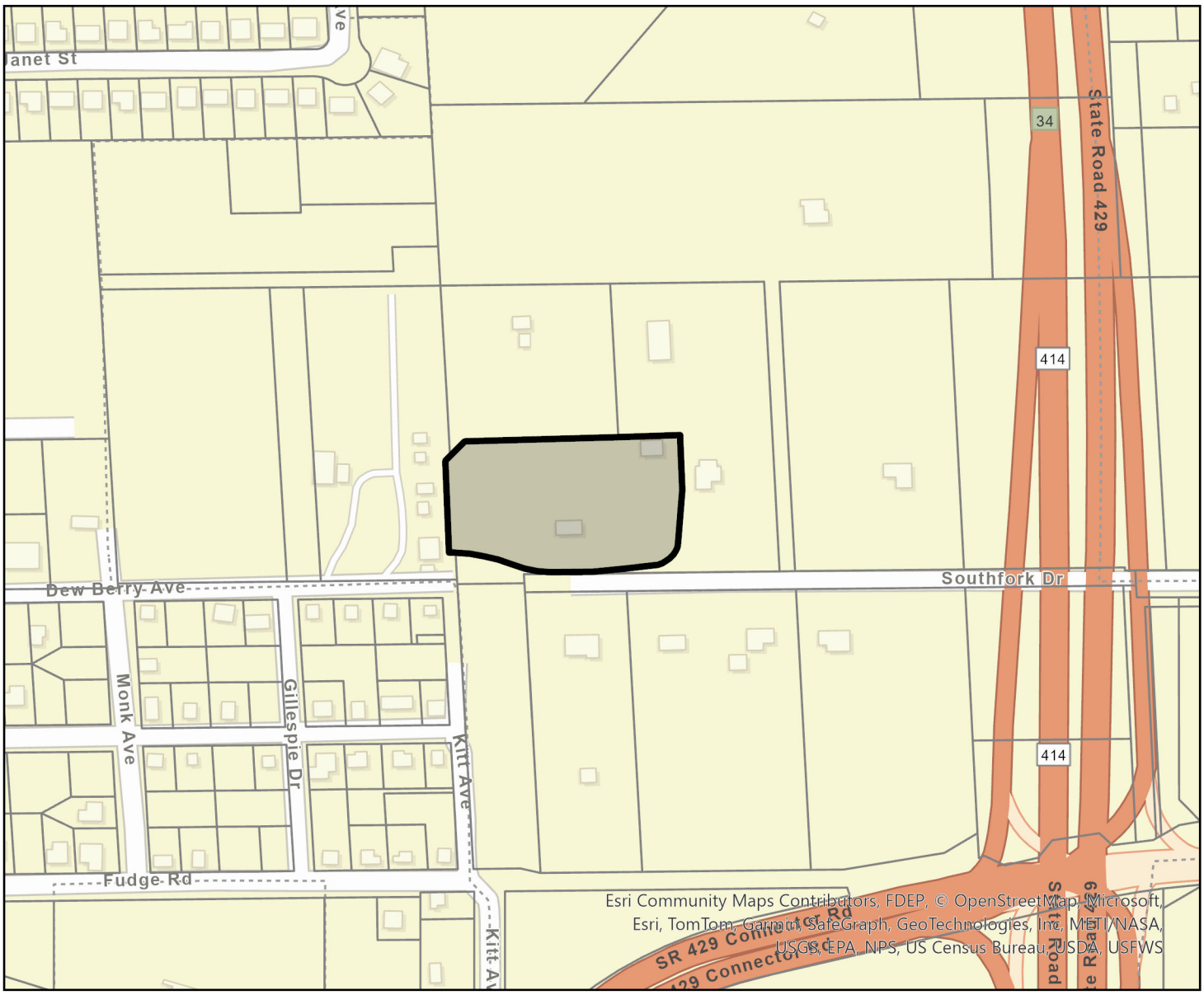
MARIO ROJO JR., PLA
FL. PROF. LANDSCAPE ARCHITECT
REGISTRATION NO. 6667489

A.V.	A.V.	B.D.
DESIGN	DRAWN	QA/QC

FILE #011589-01-001-LC01-MarriottFairfieldApopka
DATE: 2025/07/31
SET: 500 LIGHTING

LE-5.01
SHEET

User: AMBER.VALDES@bowman.com Date/Time: May. 05, 26 - 10:06:53 Drawing: V:\011589 - Dorada's Partners\011589-01-001 (ENG) - Marriott Fairfield Town\Place Suites\Engineering\Landscape Plans\PAE\LE\E02\011589-01-001-LE02-Marriott Fairfield Apopka.dwg, LE-5.01



Parcel

Parcel 06-21-28-7172-16-042

0 0.05 0.1 0.2 Miles

N

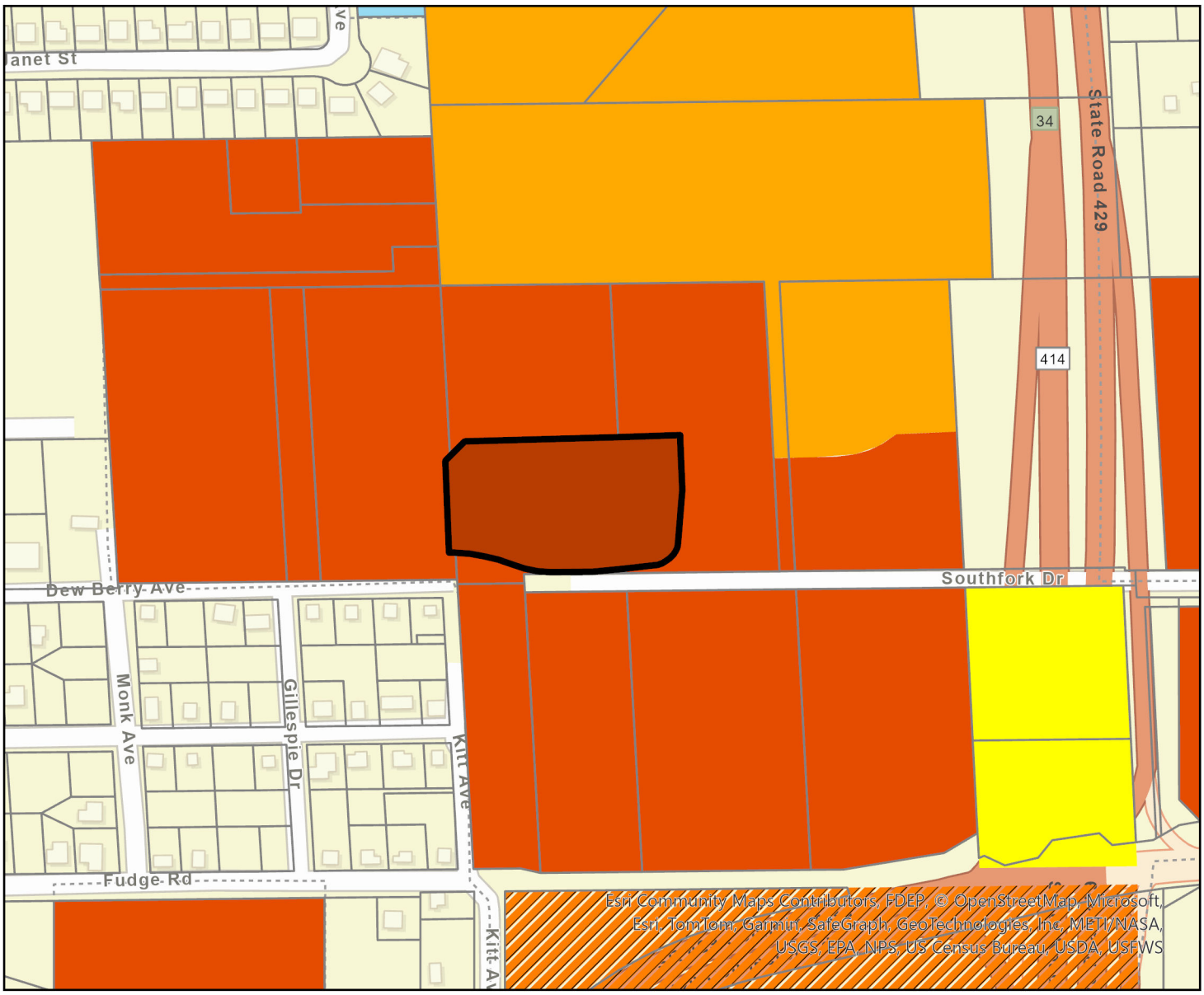


Parcel

Parcel 06-21-28-7172-16-042

0 0.05 0.1 0.2 Miles

N



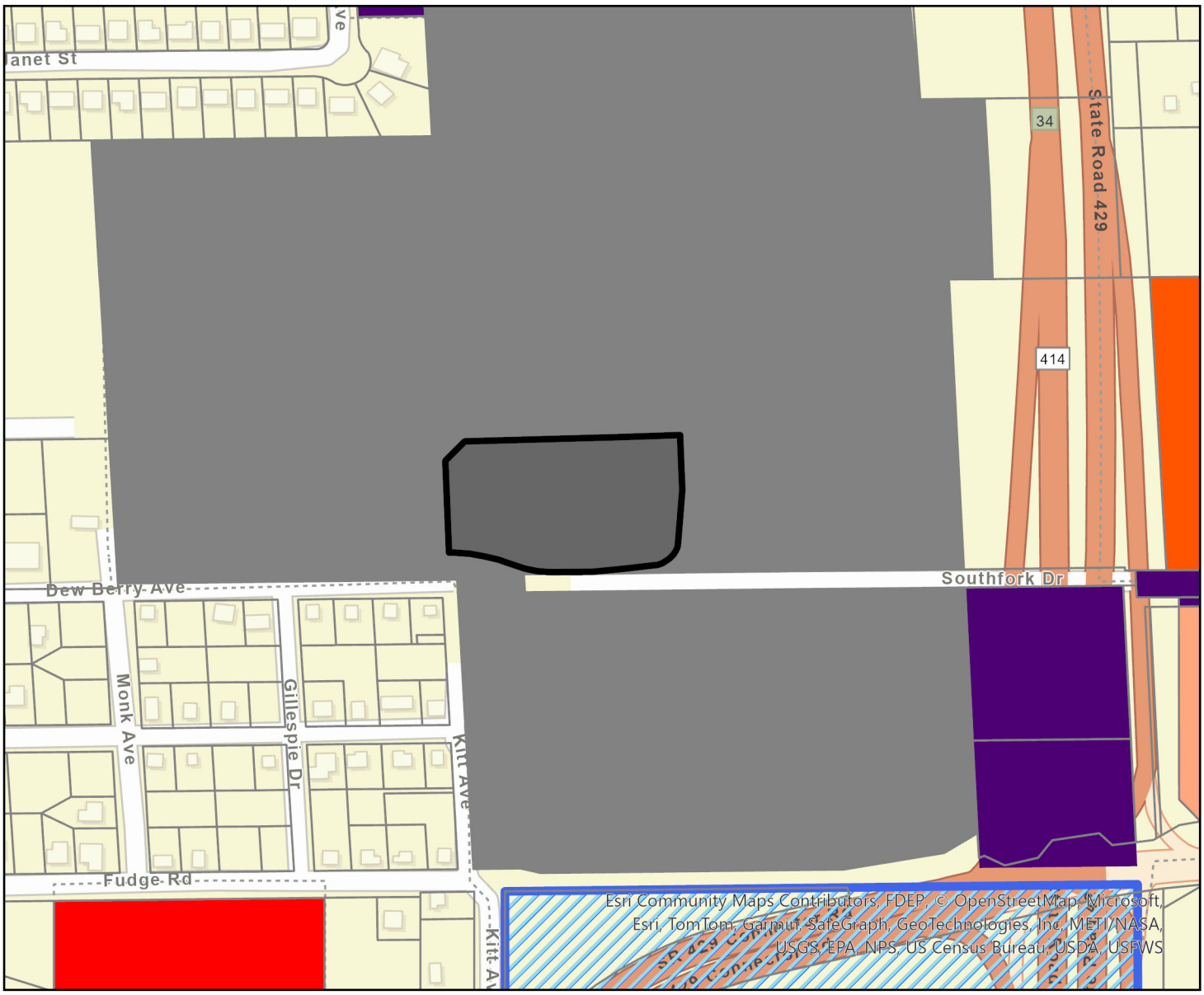
Parcel

Apopka Future Land Use

- AG
- AG-E
- AG-HOME
- COMM
- CONSV
- FLU-IP
- HDR-25
- IND
- INST_PU
- MU
- OFF
- PR
- RE
- RH
- RL
- RLS
- RM
- RML
- RS
- RVLS
- Parcel 06-21-28-7172-16-042

0 0.05 0.1 0.2 Miles

N



Parcel

Apopka Zoning

- AG
- AIR
- C-C
- C-COR
- C-N
- C-R
- I-H
- I-L
- INST
- MHP
- MU-D
- MU-ES-GT
- MU-INT
- MU-MED
- MU-N
- MU-T
- MU-VC
- O
- PD
- PR
- RCE
- RMF
- RSF-1A
- RSF-1B
- RTF
- T
- Parcel 06-21-28-7172-16-042

0 0.05 0.1 0.2 Miles

N

ORDINANCE NO. 2840

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM TRANSITIONAL (T) TO PLANNED DEVELOPMENT (PD), FOR CERTAIN REAL PROPERTY LOCATED NORTH OF W. ORANGE BLOSSOM TRAIL AND WEST OF S.R. 429, COMPRISING 73.93 ACRES MORE OR LESS, AND OWNED BY COLLIER BENGE LAND JOINT VENTURE LLC; PROVIDING FOR DIRECTIONS TO THE COMMUNITY DEVELOPMENT DIRECTOR, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, Andrew McCown, GAI Consultants, Inc. has requested a change in zoning on said property as identified in Section II of this ordinance, and legally described in Exhibit A attached hereto; and

WHEREAS, the proposed Planned Development (PD) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Council of the City of Apopka, Florida, as follows:

SECTION I: That the zoning classification of the following described property be designated as Planned Development (PD), as defined in the Apopka Land Development Code, and with the following development standards and provisions, and subject to the following zoning provisions:

A. Development of the property shall occur consistent with the Master Plan set forth in Exhibit B, attached hereto. Where any development standard conflicts between the Master Plan and the Land Development Code, the Master Plan shall preside. Any proposed revision to the Master Plan shall be evaluated and processed pursuant to the Land Development Code

B. A PD Agreement prepared in accordance with LDC Section 3.7.2.F.2 shall be approved by the City Council.

C. The uses permitted and prohibited within the PD District are those noted on the Master Plan.

D. If a Plat associated with the PD district has not been approved by the City within three years after approval of these Master Plan provisions, the approval of the Master Plan provisions will expire. At such time, the City Council may:

1. Permit a single six-month extension for submittal of the required Minor or Major Development Plan;

2. Allow the PD zoning designation to remain on the property pending resubmittal of new Master Plan provisions and any conditions of approval; or

3. Rezone the property to a more appropriate zoning classification.

SECTION II: That the zoning classification of the following described properties, attached hereto as Exhibit A and incorporated herein, being situated in the City of Apopka, Florida, is hereby amended from Transitional (T) to Planned Development (PD), as defined in the Apopka Land Development Code.

SECTION III: AUTHORITY OF COMMUNITY DEVELOPMENT DIRECTOR. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

SECTION IV: SEVERABILITY. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

SECTION V: That this Ordinance shall take effect upon the effective date of Ordinance No. 2840.

READ FIRST TIME: June 2, 2021

READ SECOND TIME AND ADOPTED: August 18, 2021

Bryan Nelson, Mayor

ATTEST:

Susan M. Bone, City Clerk

APPROVED AS TO FORM:

Michael A. Rodriguez, City Attorney

DULY ADVERTISED: April 30, 2021 and June 4, 2021

Exhibit "A" Legal Description

DESCRIPTION:

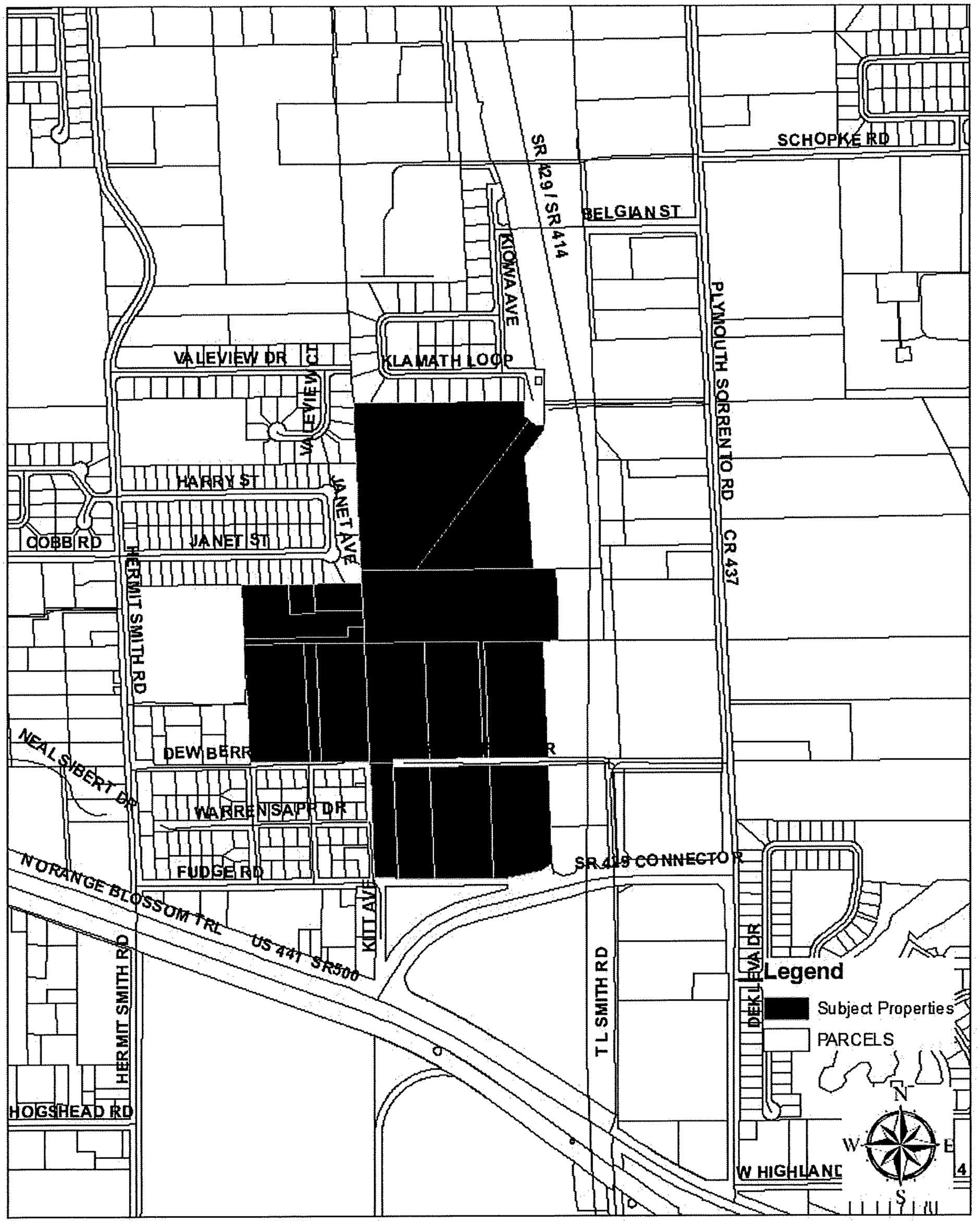
That part of MAP OF PLYMOUTH, according to the plat thereof, as recorded in Plat Book B, Pages 17 and 18, of the Public Records of Orange County, Florida, and that part of Section 36, Township 20 South, Range 27 East, Orange County, Florida, described as follows:

BEGIN at the Southeast corner of Tract G, according to the plat of STANTON RIDGE, as recorded in Plat Book 99, Pages 131 through 134, of the Public Records of Orange County, Florida; thence S89°28'53"W along the South line of said plat of STANTON RIDGE, for a distance of 947.63 feet to the Southwest corner of said plat of STANTON RIDGE and the West line of the Northeast 1/4 of the Southeast 1/4 of said Section 36; thence S02°34'31"E along said West line, 993.64 feet to the Northeast corner of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of said Section 36; thence S89°29'29"W along the North line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 665.02 feet to the Northwest corner of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'36"E along the West line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 298.07 feet to the North line of the South 1/2 acre of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said West line run N89°30'13"E along said North line, 12.01 feet to the East line of the Western 12.00 feet of said South 1/2 acre of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said North line run S02°44'36"E along said East line, 32.82 feet to the South line of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said East line run S89°30'13"W along said South line, 12.01 feet to the Southwest corner of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'36"E along the West line of the Northeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of said Section 36, for a distance of 651.78 feet to the North line of lands described in Official Records Book 4175, Page 4995, of the Public Records of Orange County, Florida; thence departing said West line run N89°31'43"E along said North line and the North line of lands described in Official Records Book 4184, Page 3110, of the Public Records of Orange County, Florida, for a distance 662.15 feet to the West line of the Southeast 1/4 of the Southeast 1/4 of said Section 36; thence departing said North line run S02°34'31"E along said West line, 641.99 feet to the North line of lands described in Official Records Book 2987, Page 1787, of the Public Records of Orange County, Florida; thence departing said West line run N89°33'13"E along said North line and the North line of lands described in Official Records Book 9852, Page 5231, of the Public Records of Orange County, Florida, 92.05 feet; thence S76°32'30"E along said North line of lands described in Official Records Book 9852, Page 5231, for a distance of 41.61 feet to the North right-of-way line of Fudge Road, platted as Lake Street, according to the aforesaid plat of MAP OF PLYMOUTH; thence departing said North line run N89°33'13"E along said North right-of-way line, 592.78 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9852, Page 6076, of the Public Records of Orange County, Florida; thence departing said North right-of way line run N79°37'51"E along said Westerly limited access right-of-way line, 200.23 feet; thence N56°40'34"E along said Westerly limited access right-of-way line, 78.30 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9964, Page 3691, of the Public Records of Orange County, Florida; thence N02°19'28"W along said Westerly limited access right-of-way line, 545.26 feet to the Northwest corner of Lot 8, Block P, according to said plat of MAP OF PLYMOUTH, and the South line of lands described in Official Records Document Number 20190621267, of the Public Records of Orange County, Florida; thence departing said Westerly limited access right-of-way line, run S89°31'58"W along said South line, 862.00 feet to the Southwest corner of said lands described in Official Records Document Number 20190621267; thence N02°39'46"W along the West line of said lands described in Official Records Document Number 20190621267, for a distance 40.03 feet to the Northwest corner of said lands described in Official Records Document Number 20190621267; thence N89°31'58"E along the North line of said lands described in Official Records Document Number 20190621267, for a distance of 859.73 feet to the Southwest corner of Lot 1, Block P, according to said plat of MAP OF PLYMOUTH and the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10808, Page 4332, of the Public Records of Orange County, Florida; thence departing said North line run N02°20'29"W along said Westerly limited access right-of-way line, 642.86 feet; thence N89°29'17"E along said Westerly limited access right-of-way line, 84.79 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10764, Page 480, of the Public Records of Orange County, Florida and a non-tangent curve concave Westerly having a radius of 11294.16 feet and a chord bearing of N02°02'26"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 02°01'48" for a distance of 400.16 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10705, Page 4582, of the Public Records of Orange County, Florida and as described in Official Records Book 10705, Page 6080, of the Public Records of Orange County, Florida and a non-tangent line; thence S89°29'17"W along said Westerly limited access right-of-way line, 125.14 feet to a non-tangent curve concave Westerly having a radius of 11169.16 feet and a chord bearing of N04°40'48"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 03°11'30" for a distance of 622.17 feet to a non-tangent line; thence N37°22'01"E along said Westerly limited access right-of-way line, 182.75 feet; thence N00°27'45"W along said Westerly limited access right-of-way line, 24.71 feet to the Southeast corner of the aforesaid plat of STANTON RIDGE; thence departing said Westerly limited access right-of-way line run the following courses and distances along the aforesaid South line of the plat of STANTON RIDGE: S89°31'59"W, 46.62 feet; N52°36'26"W, 79.53 feet; N00°31'22"W, 85.34 feet to the POINT OF BEGINNING. This description is based on Florida State Plane Coordinate System East Zone, scale factor of 0.99997293, NAD 83 Datum (2011 adjustment) and all distances are grid dimensions.

Containing 73.931 acres more or less when calculated in ground dimensions.

Being subject to any rights-of-way, restrictions, conditions and easements of record.

Vicinity Map



(THIS MAP IS FOR REFERENCE PURPOSES ONLY AND IS NOT TO SCALE)

Exhibit "B"

DONALD W. McINTOSH ASSOCIATES, INC. RESERVES THE EXCLUSIVE COPYRIGHT AND PROPERTY RIGHTS TO THIS DRAWING WHICH MAY NOT BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER, NOR CAN IT BE ASSIGNED TO ANY PARTY WITHOUT DONALD W. McINTOSH ASSOCIATES, INC.'S WRITTEN CONSENT.

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)

CITY OF APOPKA, FLORIDA

PREPARED FOR

COLLIER BENGE LAND JOINT VENTURE, LLC
220 NORTH MAIN STREET
GAINESVILLE, FL 32601
PH: 352.375.2152

CITY OF APOPKA
DEVELOPMENT REVIEW COMMITTEE
Compliance Review Per Land Development Code

DEPARTMENT	NAME	DATE
ENGINEERING		4-7-21
FIRE		4/9/21
BUILDING		4.1.2021
PLANNING/ZONING		4/8/2021
POLICE		4/09/2021
PUBLIC SERVICES/ UTILITIES	N.T.	4/12/2021

REVIEW/APPROVAL(S) REQUIRED		DATE
Development Review Committee	Yes ☐ No ☐	
Planning Commission	Yes ☐ No ☐	
City Council	Yes ☐ No ☐	

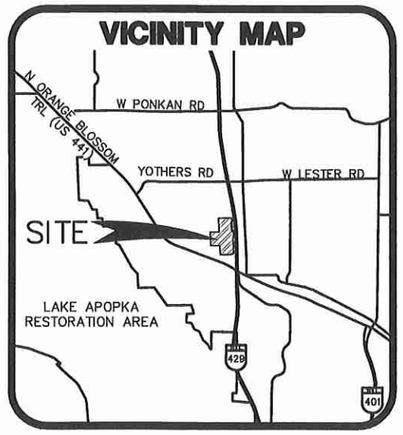
THIS REVIEW / APPROVAL DOES NOT GRANT PERMISSION TO VIOLATE OR WAIVE ANY APPLICABLE CITY CODE.

THIS PLAN MUST BE KEPT ON JOB SITE.

CITY OF APOPKA FLORIDA

JOHN T. TOWNSEND
LICENSE
No. 52127
STATE OF FLORIDA
PROFESSIONAL
JOHN T. TOWNSEND
FLORIDA P.E. No. 52127
DATE: 3-23-21
NOT FOR CONSTRUCTION

FLORIDIAN
TOWN CENTER



SECTION 36, TOWNSHIP 20 S, RANGE 27 E,
SECTION 31, TOWNSHIP 20 S, RANGE 28 E
PROPERTY APPRAISER PARCEL ID #
06-21-28-7172-05-002, 06-21-28-7172-16-020, 06-21-28-7172-16-030, 06-21-28-7172-16-040, 06-21-28-7172-16-050, 06-21-28-7172-16-051, 06-21-28-7172-16-060, 06-21-28-7172-16-070, 36-20-27-0000-00-047, 36-20-27-0000-00-048, 36-20-27-0000-00-052, 36-20-27-0000-00-066, 36-20-27-0000-00-068, 36-20-27-0000-00-074, 36-20-27-0000-00-075, 36-20-27-0000-00-083, 36-20-27-0000-00-085, 36-20-27-0000-00-093

OWNER/APPLICANT

COLLIER BENGE LAND JOINT VENTURE, LLC
220 NORTH MAIN STREET
GAINESVILLE, FLORIDA 32601
Ph: 352.375.2152

ENGINEER/SURVEYOR

DONALD W. McINTOSH ASSOCIATES, INC.
2200 PARK AVENUE NORTH
WINTER PARK, FLORIDA 32789
Ph: 407.644.4068
CONTACT PERSON: JOHN T. TOWNSEND, PE

PLANNERS/LANDSCAPE ARCHITECTS

GAI CONSULTANTS, INC.
618 E. SOUTH STREET, SUITE 700
ORLANDO, FLORIDA 32801
Ph: 321.319.3069

GEOTECHNICAL SERVICES

DEVO ENGINEERING
5500 ALHAMBRA DRIVE
ORLANDO, FLORIDA 32808
Ph: 407.290.2371

REVISED MARCH 22, 2021
OCTOBER 30, 2020

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

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FLORIDIAN TOWN CENTER – (aka: 429 WEST) –MUMP–18161 – 10/30/20 – REVISED 03/22/21

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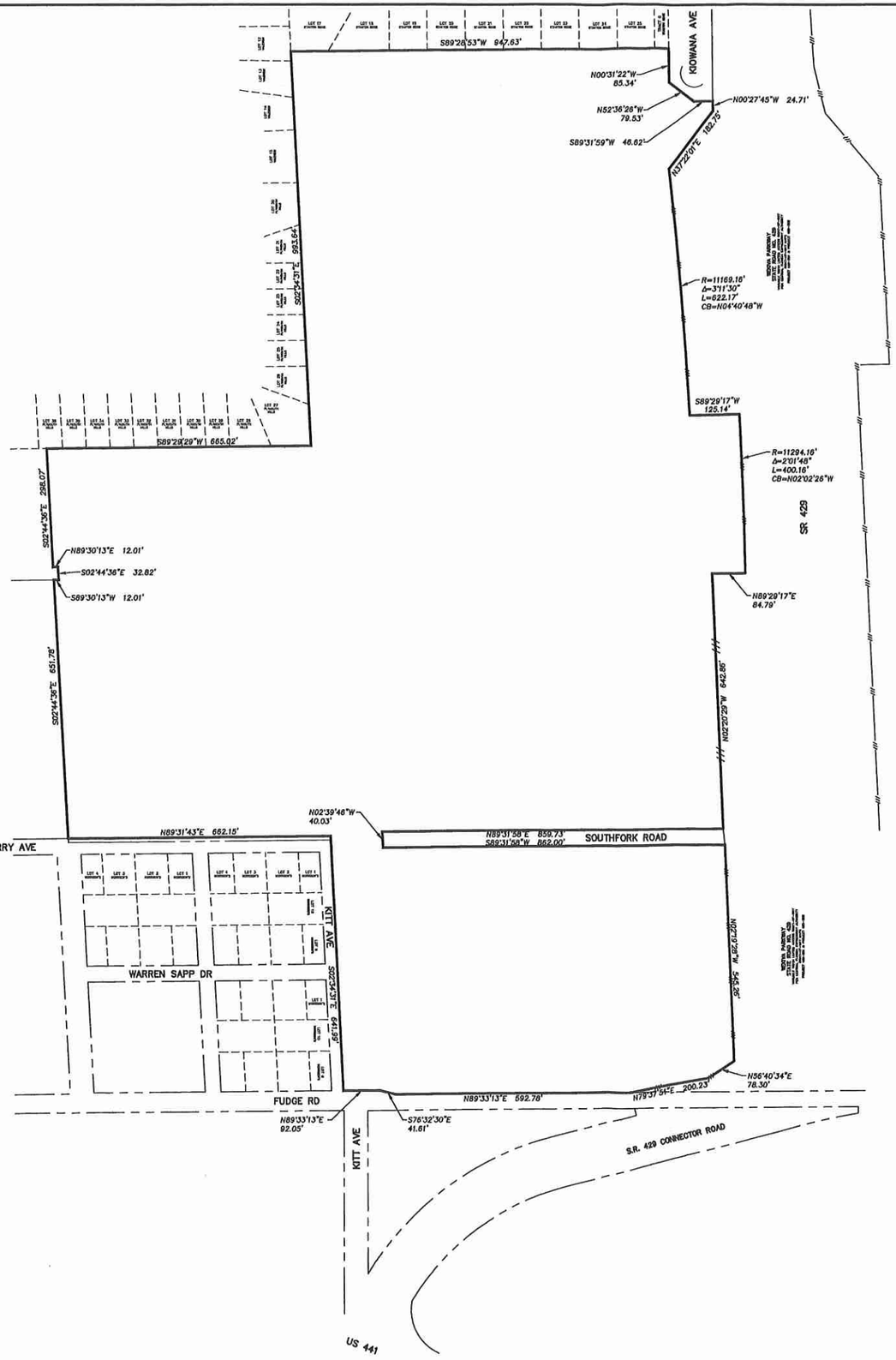

150'

N

DESCRIPTION:

That part of MAP OF PLYMOUTH, according to the plat thereof, as recorded in Plat Book B, Pages 17 and 18, of the Public Records of Orange County, Florida, and that part of Section 36, Township 20 South, Range 27 East, Orange County, Florida, described as follows:

BEGIN at the Southeast corner of Tract G, according to the plat of STANTON RIDGE, as recorded in Plat Book 99, Pages 131 through 134, of the Public Records of Orange County, Florida; thence S89°28'53"W along the South line of said plat of STANTON RIDGE, for a distance of 947.63 feet to the Southwest corner of said plat of STANTON RIDGE and the West line of the Northeast 1/4 of the Southeast 1/4 of said Section 36; thence S02°34'31"E along said West line, 993.64 feet to the Northeast corner of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of said Section 36; thence S89°29'29"W along the North line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 665.02 feet to the Northwest corner of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'36"E along the West line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 298.07 feet to the North line of the South 1/2 acre of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said West line run N89°30'13"E along said North line, 12.01 feet to the East line of the Western 12.00 feet of said South 1/2 acre of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said North line run S02°44'36"E along said East line, 32.82 feet to the South line of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said East line run S89°30'13"W along said South line, 12.01 feet to the Southwest corner of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'36"E along the West line of the Northeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of said Section 36, for a distance of 651.78 feet to the North line of lands described in Official Records Book 4175, Page 4995, of the Public Records of Orange County, Florida; thence departing said West line run N89°31'43"E along said North line and the North line of lands described in Official Records Book 4184, Page 3110, of the Public Records of Orange County, Florida, for a distance 662.15 feet to the West line of the Southeast 1/4 of the Southeast 1/4 of said Section 36; thence departing said North line run S02°34'31"E along said West line, 641.99 feet to the North line of lands described in Official Records Book 2987, Page 1787, of the Public Records of Orange County, Florida; thence departing said West line run N89°33'13"E along said North line and the North line of lands described in Official Records Book 9852, Page 5231, of the Public Records of Orange County, Florida, 92.05 feet; thence S76°32'30"E along said North line of lands described in Official Records Book 9852, Page 5231, for a distance of 41.61 feet to the North right-of-way line of Fudge Road, platted as Lake Street, according to the aforesaid plat of MAP OF PLYMOUTH; thence departing said North line run N89°33'13"E along said North right-of-way line, 592.78 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9852, Page 6076, of the Public Records of Orange County, Florida; thence departing said North right-of-way line run N79°37'51"E along said Westerly limited access right-of-way line, 200.23 feet; thence N56°40'34"E along said Westerly limited access right-of-way line, 78.30 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9984, Page 3691, of the Public Records of Orange County, Florida; thence N02°19'28"W along said Westerly limited access right-of-way line, 545.26 feet to the Northwest corner of Lot B, Block P, according to said plat of MAP OF PLYMOUTH, and the South line of lands described in Official Records Document Number 20190821267, of the Public Records of Orange County, Florida; thence departing said Westerly limited access right-of-way line, run S89°31'58"W along said South line, 862.00 feet to the Southwest corner of said lands described in Official Records Document Number 20190621267; thence N02°39'46"W along the West line of said lands described in Official Records Document Number 20190621267, for a distance 40.03 feet to the Northwest corner of said lands described in Official Records Document Number 20190821267; thence N89°31'58"E along the North line of said lands described in Official Records Document Number 20190621267, for a distance of 859.73 feet to the Southwest corner of Lot 1, Block P, according to said plat of MAP OF PLYMOUTH and the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10808, Page 4332, of the Public Records of Orange County, Florida; thence departing said North line run N02°20'29"W along said Westerly limited access right-of-way line, 642.86 feet; thence N89°29'17"E along said Westerly limited access right-of-way line, 84.79 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10764, Page 480, of the Public Records of Orange County, Florida and a non-tangent curve concave Westerly having a radius of 11294.16 feet and a chord bearing of N02°02'26"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 02°01'48" for a distance of 400.16 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10705, Page 4582, of the Public Records of Orange County, Florida and as described in Official Records Book 10705, Page 8080, of the Public Records of Orange County, Florida and a non-tangent line; thence S89°29'17"W along said Westerly limited access right-of-way line, 125.14 feet to a non-tangent curve concave Westerly having a radius of 11169.16 feet and a chord bearing of N04°40'48"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 03°11'30" for a distance of 622.17 feet to a non-tangent line; thence N37°22'01"E along said Westerly limited access right-of-way line, 182.75 feet; thence N00°27'45"W along said Westerly limited access right-of-way line, 24.71 feet to the Southeast corner of the aforesaid plat of STANTON RIDGE; thence departing said Westerly limited access right-of-way line run the following courses and distances along the aforesaid South line of the plat of STANTON RIDGE: S89°31'59"W, 46.62 feet; N52°36'26"W, 79.53 feet; N00°31'22"W, 85.34 feet to the POINT OF BEGINNING. This description is based on Florida State Plane Coordinate System East Zone, scale factor of 0.99997293, NAD 83 Datum (2011 adjustment) and all distances are grid dimensions.

Containing 73.931 acres more or less when calculated in ground dimensions.

Being subject to any rights-of-way, restrictions, conditions and easements of record.

GENERAL NOTES:

1. THIS IS NOT A SURVEY AND IS SHOWN FOR GENERAL INFORMATION ONLY. FOR ADDITIONAL INFORMATION SEE THE BOUNDARY AND TOPOGRAPHIC SURVEY, PREPARED BY D.W.M.A., PROVIDED UNDER SEPARATE COVER WITH THIS SUBMITTAL PACKAGE.
2. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

NO.	DATE	REVISIONS	BY
	2/11/21	REVISED PER CITY COMMENTS	JTT

JOHN T. TOWNSEND
FLORIDA P.E. No. 53127
DATE: 2/23/21
NOT FOR CONSTRUCTION

STATE OF FLORIDA — JOHN T. TOWNSEND — LICENSE No. 53127 — PROFESSIONAL ENGINEER

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644-4068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
MAB	MAB	JTT	10/30/20	1"=150'	18161

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

BOUNDARY AND LEGAL DESCRIPTION

DRAWING SHEET 2 OF 16

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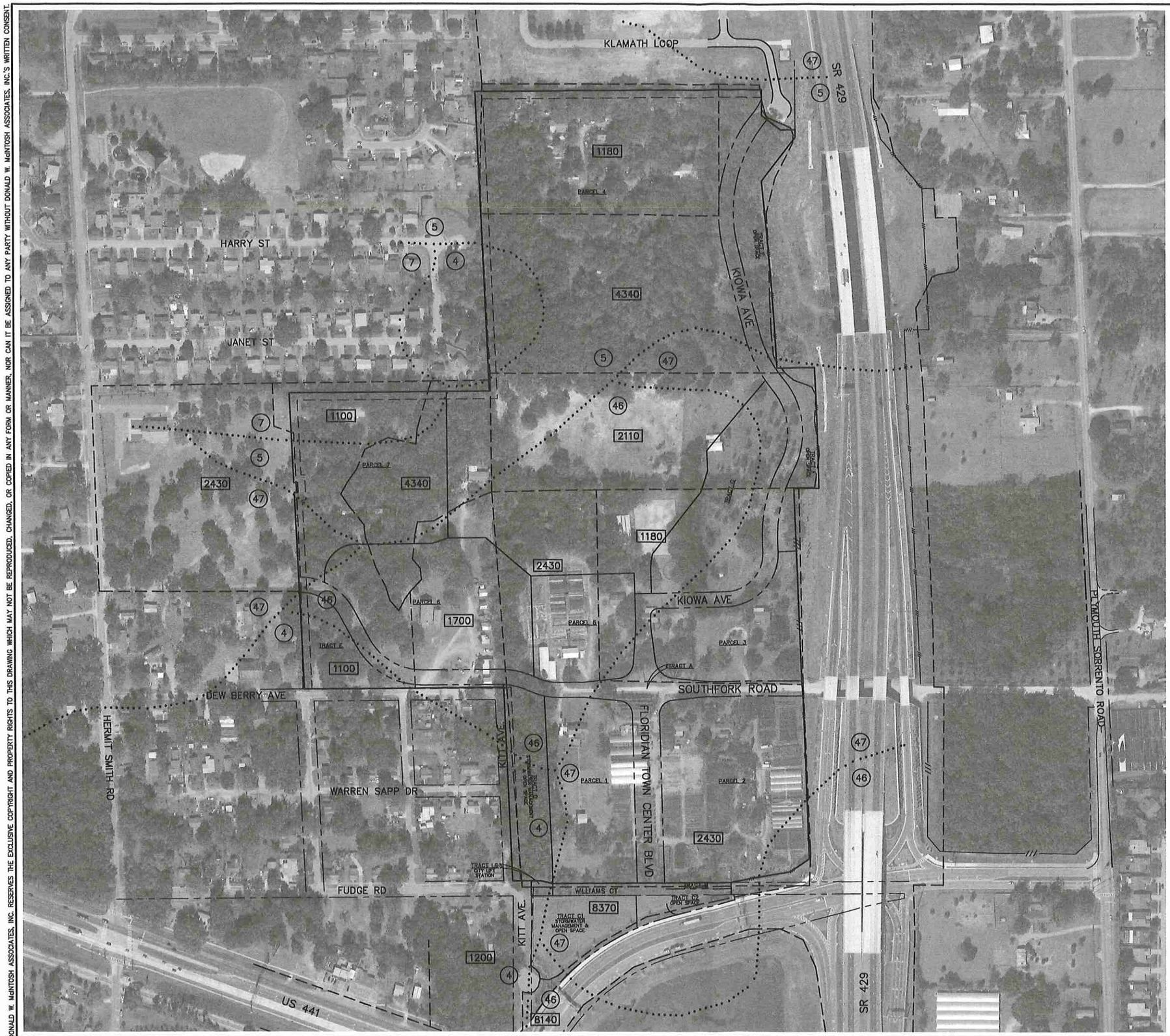

150' 0 150' N

LEGEND

- EXISTING SOILS LIMITS, PER USDA NATURAL RESOURCES CONSERVATION SERVICE MAPS
- EXISTING LAND USE DATA, PER SJRWMD

FLUCCS CODE LEGEND

- 1100 – RESIDENTAIL 1/2 ACRE
- 1180 – RESIDENTIAL 2 ACRE
- 1200 – RESIDENTIAL 1/4 ACRE
- 2110 – IMPROVED PASTURES
- 2430 – ORNAMENTALS
- 4340 – UPLAND MIXED CONIFEROUS
- 8140 – ROADS AND HIGHWAYS
- 8370 – SURFACE WATER COLLECTION BASINS

SOILS LEGEND

- 4 – CANDLER FINE SANDS, 0%–5% SLOPES
- 5 – CANDLER FINE SANDS, 5%–12% SLOPES
- 7 – CANDLER URBAN LAND COMPLEX, 0%–5% SLOPES
- 46 – TAVARES FINE SAND, 0%–5% SLOPES
- 47 – TAVARES–MILLHOPPER FINE SANDS, 0%–5% SLOPES

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JOHN T. TOWNSEND LICENSE No. 52127 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

JOHN T. TOWNSEND
FLORIDA P.E. No. 52127
Date 11/23/21

NO.	DATE	REVISIONS	CHK.
1	2/11/21	REVISED PER CITY COMMENTS	JTT

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.2068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE
MAB	MAB	JTT	10/30/20

SCALE 1"=150'

JOB NUMBER 18161

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER (aka: 429 WEST)
CITY OF APOPKA, FLORIDA

AERIAL, EXISTING SOILS & FLUCCS

DRAWING

SHEET 3 OF 15

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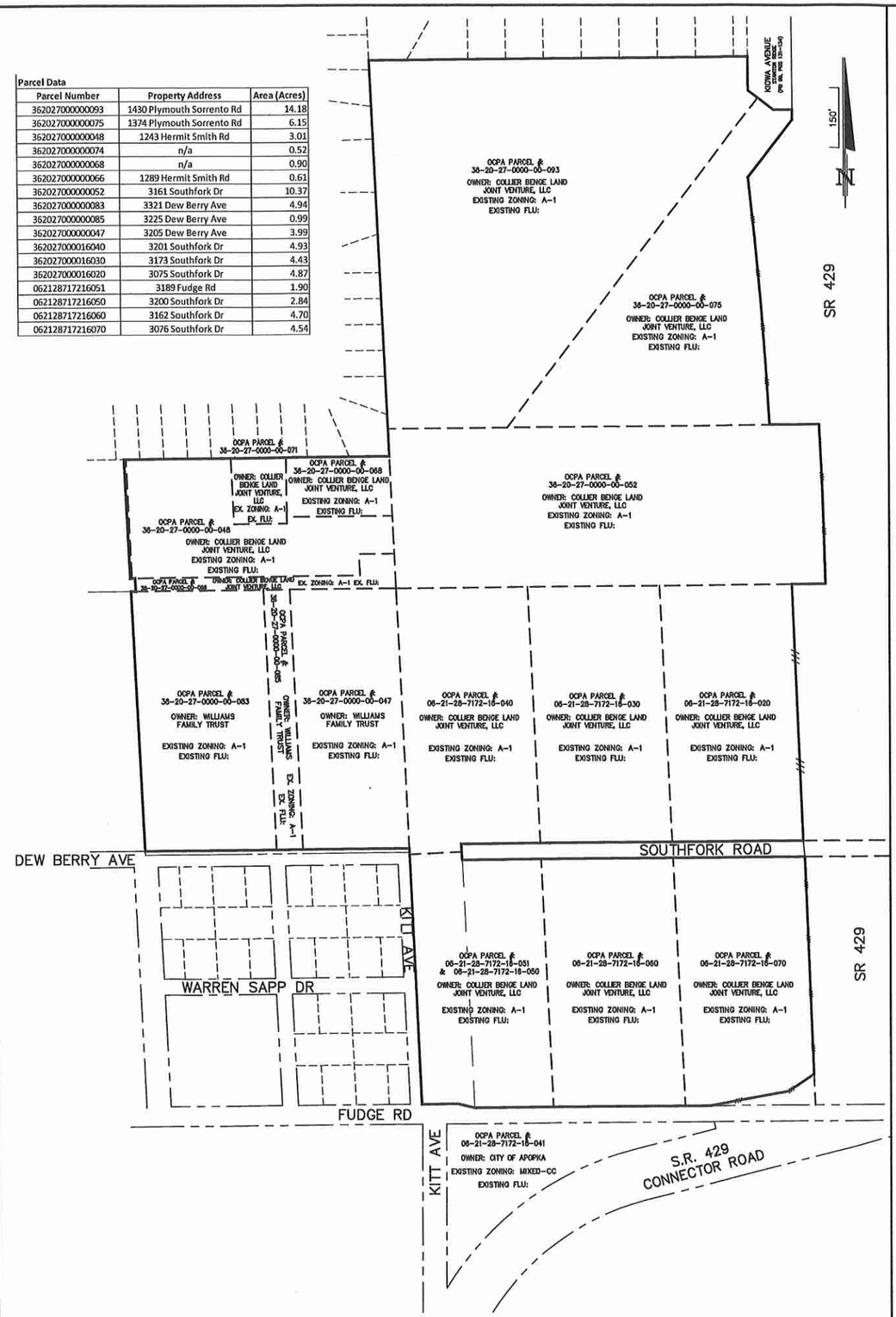
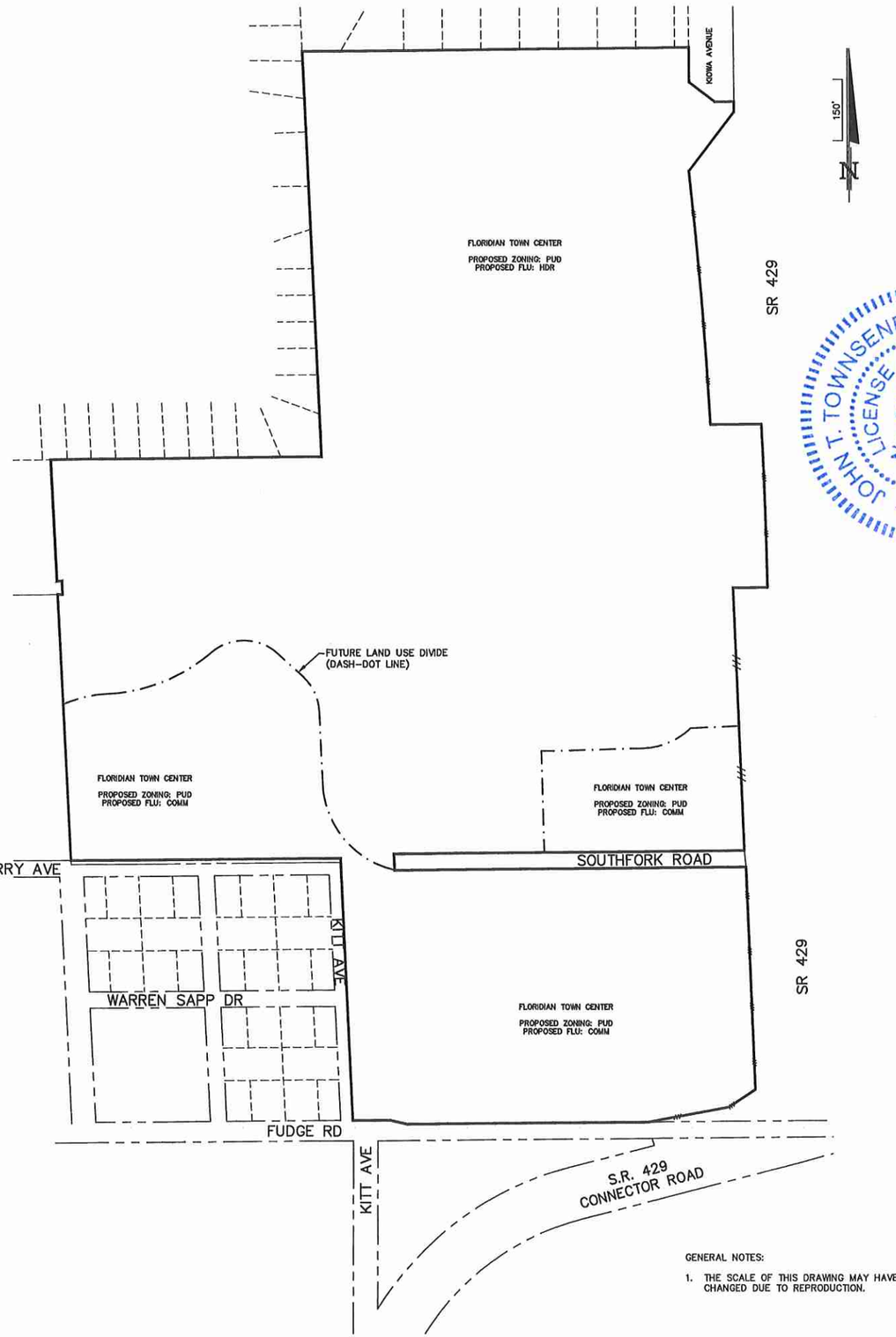
Parcel Data

Parcel Number	Property Address	Area (Acres)
362027000000093	1430 Plymouth Sorrento Rd	14.18
362027000000075	1374 Plymouth Sorrento Rd	6.15
362027000000048	1243 Hermit Smith Rd	3.01
362027000000074	n/a	0.52
362027000000068	n/a	0.90
362027000000066	1289 Hermit Smith Rd	0.61
362027000000052	3161 Southfork Dr	10.37
362027000000083	3321 Dew Berry Ave	4.94
362027000000085	3225 Dew Berry Ave	0.99
362027000000047	3205 Dew Berry Ave	3.99
362027000016040	3201 Southfork Dr	4.93
362027000016030	3173 Southfork Dr	4.43
362027000016020	3075 Southfork Dr	4.87
062128717216051	3189 Fudge Rd	1.90
062128717216050	3200 Southfork Dr	2.84
062128717216060	3162 Southfork Dr	4.70
062128717216070	3076 Southfork Dr	4.54



EXISTING ZONING AND FUTURE LAND USE



PROPOSED ZONING AND FUTURE LAND USE

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JOHN T. TOWNSEND LICENSE No. 52127 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

JOHN T. TOWNSEND FLORIDA P.E. No. 52127 DATE 03/23/21

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407-644-4068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
MAB	MAB	JTT	10/30/20	1"=150'	18161

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER (aka: 429 WEST)

CITY OF APOPKA, FLORIDA

EXISTING AND PROPOSED ZONING & FLU MAP

DRAWING SHEET 4 OF 16

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Phasing Plan

Phase	Item	Conditions
Phase 1a	Project Entrance Road and Connector Road Improvements	Abandonment of Fudge Road Segment
		Mass Grading and Master Stormwater System
	Roundabout	
	North-South Connector Road to Project Boundary	
	300 Multi-Family Units	Construction of Master Sewer Lift Station
		Construction of Clubhouse/Amenity Center
Phase 1b	Southfork Road from Plymouth Sorrento to Entrance Road	
Future Phase	Southfork Road from Entrance Road to western property line	
	Retail Town Center	
	200-300 Multi-Family Units	
	ALF/ILF	
	YMCA	
	Hotel	
	Flex Parcel	

Notes: 1. The City of Apopka Code of Ordinances (Sec. 3.7.2. F.3) defines the Phasing Plan as "the general sequence or phases in which the planned development is proposed to be developed including how residential and nonresidential development will be timed, how infrastructure (public and private), open space and other amenities will be provided and timed..."

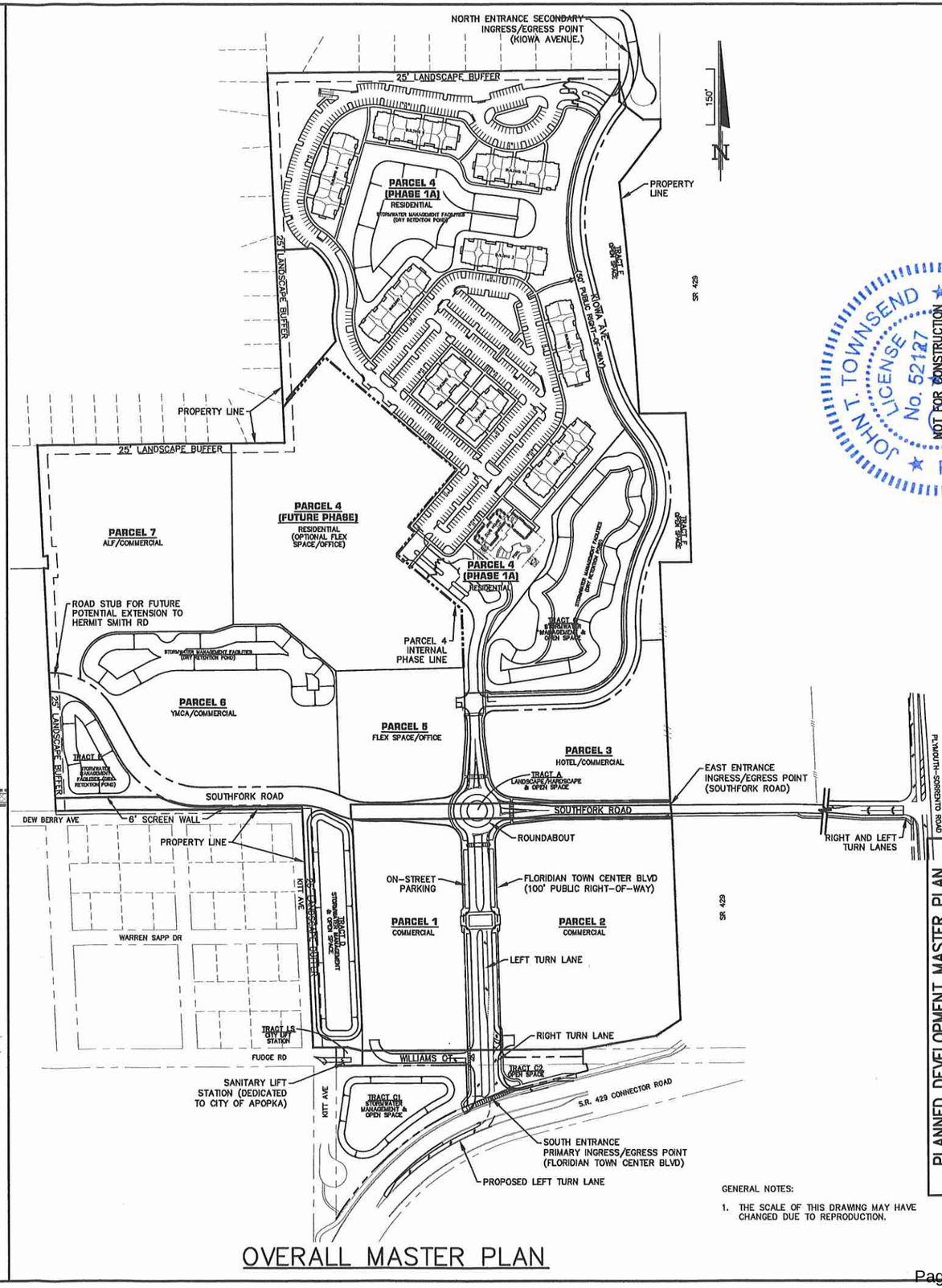
2. A performance bond may be required by the City for infrastructure or improvements pledged as amenities to the Floridian Town Center residents.

PHASE 1A DEVELOPMENT AREA

PHASE 1B DEVELOPMENT AREA

ALL OTHER AREAS ARE FUTURE DEVELOPMENT AREAS. MAJOR DEVELOPMENT PLANS WILL BE REQUIRED FOR FUTURE PARCEL DEVELOPMENT.

PHASING PLAN



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OVERALL MASTER PLAN

JOHN T. TOWNSEND
LICENSE No. 52127
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	CHK.

JOHN T. TOWNSEND
FLORIDA P.E. NO. 52127
DATE 10/26/20

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE
MAB	MAB	JTT	10/26/20

SCALE 1"=150'

JOB NUMBER 18161

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

OVERALL MASTER PLAN AND PHASING PLAN

DRAWING

SHEET 5 OF 15

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PARCEL AND TRACT DESCRIPTION

NAMES	DESCRIPTION	AREA (AC)	OWNERSHIP/MAINTENANCE
PARCELS			
1	COMMERCIAL	4.01	DEVELOPER
2	COMMERCIAL	6.63	DEVELOPER
3	HOTEL/COMMERCIAL	3.12	DEVELOPER
4	RESIDENTIAL	22.12	DEVELOPER
4	RESIDENTIAL (OPTIONAL FLEX SPACE/OFFICE)	8.27	DEVELOPER
5	FLEX SPACE/OFFICE	2.73	DEVELOPER
6	YMCA/COMMERCIAL	5.62	DEVELOPER
7	ALF/COMMERCIAL	6.18	DEVELOPER
TRACTS			
A	LANDSCAPE/HARDSCAPE & OPEN SPACE	0.05	PROPERTY OWNERS ASSOCIATION
B	OPEN SPACE	0.10	PROPERTY OWNERS ASSOCIATION
C1	STORMWATER MANAGEMENT & OPEN SPACE	1.84	PROPERTY OWNERS ASSOCIATION
C2	OPEN SPACE	0.33	PROPERTY OWNERS ASSOCIATION
D	STORMWATER MANAGEMENT & OPEN SPACE	1.96	PROPERTY OWNERS ASSOCIATION
E	STORMWATER MANAGEMENT & OPEN SPACE	1.40	PROPERTY OWNERS ASSOCIATION
F	OPEN SPACE	2.49	PROPERTY OWNERS ASSOCIATION
G	STORMWATER MANAGEMENT & OPEN SPACE	3.94	PROPERTY OWNERS ASSOCIATION
LS	SANITARY LIFT STATION	0.08	CITY OF APOPKA
R/W	PUBLIC RIGHT-OF-WAY	6.80	CITY OF APOPKA

PD Program Allocations

Development Parcel	Development Parcel Acreage	Use	Max Allocation of PD Program	Development Parcel Density/Intensity[1]
Commercial FLU				
1	4.01 acres	Commercial/Retail	57,834 sq ft	0.33 FAR
2	6.63 acres	Commercial/Retail	95,477 sq ft	0.33 FAR
3	3.12 acres	Hotel/Commercial	65,000 sq ft	0.48 FAR
6	5.62 acres	YMCA/Commercial	40,000 sq ft	0.16 FAR
Total Program Allocated in Commercial FLU			258,311 sq ft	0.25 FAR
HDR FLU				
4	30.39 acres	Multi-Family	500 du	16.5 du/acre
5	2.73 acres	Flex Space[2]	72 du 37,600 sq ft	26.4 du/acre 0.32 FAR
7	6.18 acres	ALF/ILF	180 du	29.1 du/acre
Total Program Allocated in HDR FLU			752 du 37,600 sq ft	15 du/acre 0.02 FAR

Notes: 1. Development parcels exclude some open space tracts, some stormwater pond tracts, and roads; therefore, parcel densities shown are based on program allocations to the net parcel acreages. Overall project densities are maintained per maximum FLU densities and intensities.

2. Parcel 5 Flex Space program is TBD. It may become an additional future phase of multi-family or may be commercial/professional office oriented to the Town Center, utilizing the Policy 3.1.h commercial allowance.

Multifamily Unit Breakdown

Unit Type	Minimum Square	Phase 1 Proposed Mix	
		Total Units	% of Units
Studio/1 Bedroom	750 sq ft	90	30%
2 Bedrooms	1,000 sq ft	150	50%
3 Bedrooms	1,300 sq ft	60	20%

Development Standards

Standard	Parcel						
	1	2	3	4	5	6	7
Lot Standards							
Min Lot Width	50'	50'	50'	75'	16'	50'	50'
Minimum Building Setbacks							
Front	10'	10'	10'	10'	10'	10'	10'
Side	10'	10'	10'	15'	10'	10'	10'
Street Side	10'	10'	10'	15'	10'	10'	10'
Rear	15'	15'	15'	15'	15'	15'	15'
From Single Family Lot Line	60'	n/a	n/a	25'	n/a	60'	50'
Minimum Parking Setback							
From Single Family Lot Line	25'	n/a	n/a	25'	n/a	25'	25'
Minimum Building Separation (Residential)	n/a	n/a	n/a	40'	20'	n/a	n/a
Building Height							
Max Height	35'	35'	75'	50'	50'	35'	50'
Max Stories	3	3	6	4	4	2	4
Minimum Living Area	n/a	n/a	n/a	750'	750'	n/a	See Note *
Minimum Parking	2.75 space/ksf of commercial on average			1.7 spaces per unit + 1 space per 10 units guest	2.75 space/ksf of commercial on average or 1.7 space per unit + 1 space per 10 units guest		Per LDC

Notes: Minimum living area for ILF units shall be 550 square feet. All other units types shall be 750 square feet.

Max PD Program

FLU	Max Densities/ Intensities	Max PD Program Per FLU
Commercial 23.72 acres gross	0.25 FAR	258,311 sq ft
HDR 50.16 acres gross	15 du/acre 50 sq ft per unit	752 units 37,600 sq ft[1]

Notes: 1. The Apopka Comprehensive Plan Future Land Use Policy 3.1.h allows for 50 sq ft of commercial uses per unit within HDR.

Preliminary Phase Program Breakdown

Parcel	Phase 1		Future Phase	
1	0	sq ft	57,834	sq ft
2	0	sq ft	95,477	sq ft
3	0	sq ft	65,000	sq ft
6	0	sq ft	40,000	sq ft
4	300	du	200	units
5	0	sq ft	TBD[1]	
7	0	du	180	units

Notes: 1. See Note 2 under the PD Program Allocations Table.

Permitted Parcel Uses

Uses	Parcel						
	1	2	3	4	5	6	7
Multi-Family				Y	Y		
Townhome					Y		
Assisted Living Facility[1]							Y
Independent Living Facility[1]							Y
Hotel			Y				
Commercial/Retail	Y	Y	Y		Y	Y	
Professional Office	Y	Y	Y		Y		
Medical Office	Y	Y	Y		Y	Y	Y
Self-Service Storage[2]	Y	Y	Y				
Parks and Open Space[3]	Y	Y	Y	Y	Y	Y	Y
Indoor Recreation						Y	
Institutional/Civic					Y	Y	

Notes : 1. Assisted Living and Independent Living Facilities may contain ancillary personal services and food & beverage uses that are only offered to residents of the facility, not to exceed 4,000 sq ft.

2. Only indoor, climate controlled self-service storage shall be permitted. No outdoor self-service storage will be permitted.

3. Parks may include passive or active recreational facilities such as playgrounds, dog parks, sport courts, etc.

PROHIBITED PD USES

A. ANY USE THAT EMITS AN OBNOXIOUS ODOR, OBNOXIOUS NOISE, OR OBNOXIOUS SOUND THAT CAN BE HEARD OR SMELLED OUTSIDE OF ANY BUILDING IN THE PROJECT.

B. AN OPERATION PRIMARILY USED AS WAREHOUSE OPERATION OR ANY ASSEMBLING, MANUFACTURING, DISTILLING, REFINING, SMELTING, AGRICULTURAL, OR MINING OPERATION.

C. ANY SELF-SERVICE STORAGE FACILITIES THAT ARE NOT CLIMATE CONTROLLED.

D. ANY OUTDOOR STORAGE OF AUTOMOBILES, RECREATIONAL VEHICLES, OR BOATS.

E. ANY "SECOND HAND" STORE, ANY OPERATION SELLING "SURPLUS" OR "SALVAGE" GOODS, OR PAWN SHOP.

F. ANY MOBILE HOME PARK, TRAILER COURT, LABOR CAMP, JUNKYARD, OR STOCKYARD; BUT THIS PROHIBITION IS NOT APPLICABLE TO THE TEMPORARY USE OF CONSTRUCTION TRAILERS DURING PERIODS OF CONSTRUCTION, RECONSTRUCTION OR MAINTENANCE.

G. ANY DUMPING, DISPOSING, INCINERATION OR REDUCTION OF GARBAGE, BUT THIS PROHIBITION DOES NOT APPLY TO (I) GARBAGE COMPACTORS OR OTHER GARBAGE COLLECTION AREAS OR FACILITIES LOCATED NEAR THE REAR OF ANY BUILDING, OR (II) RECYCLING CENTERS THAT MAY BE REQUIRED BY GOVERNMENTAL REQUIREMENTS.

H. ANY FIRE SALE, BANKRUPTCY SALE (UNLESS PURSUANT TO A COURT ORDER) OR AUCTION HOUSE OPERATION.

I. ANY CENTRAL LAUNDRY, DRY CLEANING PLANT, OR LAUNDROMAT, BUT THIS RESTRICTION IS NOT INTENDED TO PREVENT THE OPERATION OF AN ON-SITE SERVICE ORIENTED SOLELY TO PICKUP AND DELIVERY OF CLOTHING BY THE ULTIMATE CONSUMER, WITH NO WASHING OR PROCESSING FACILITIES WITHIN THE PROJECT, AS THE SAME MAY BE FOUND IN RETAIL SHOPPING CENTERS IN THE METROPOLITAN AREA WHERE THE PROJECT IS LOCATED.

J. ANY (I) AUTOMOBILE, TRUCK, TRAILER, OR RECREATIONAL VEHICLE SALES, LEASING, OR DISPLAY OPERATION, (II) CAR WASH, OR (III) BODY SHOP REPAIR OPERATION.

K. ANY BOWLING ALLEY OR SKATING RINK.

L. ANY MORTUARY OR FUNERAL HOME.

M. ANY ESTABLISHMENT SELLING OR EXHIBITING OBSCENE OR SEXUALLY EXPLICIT MATERIAL.

N. ANY ESTABLISHMENT SELLING OR EXHIBITING ILLICIT DRUGS OR RELATED PARAPHERNALIA.

O. A STRIP CLUB.

P. ANY MASSAGE PARLOR OR SIMILAR ESTABLISHMENT (BUT THE PROVISION OF THERAPEUTIC MESSAGES AS PART OF A FIRST-CLASS HEALTH OR BEAUTY SPA OPERATION OR BY PROFESSIONAL HEALTH CARE PROVIDERS IS PERMITTED).

Q. ANY FLEA MARKET, AMUSEMENT OR VIDEO ARCADE, POOL OR BILLIARD HALL, OR DANCE HALL.

R. ANY TRAINING OR EDUCATIONAL FACILITY, INCLUDING: BEAUTY SCHOOLS, BARBER COLLEGES, READING ROOMS, PLACES OF INSTRUCTION, OR OTHER OPERATIONS CATERING PRIMARILY TO STUDENTS OR TRAINEES RATHER THAN TO CUSTOMERS, BUT THIS PROHIBITION IS NOT APPLICABLE TO ON-SITE EMPLOYEE TRAINING BY AN OCCUPANT INCIDENTAL TO THE CONDUCT OF ITS BUSINESS AT THE PROJECT.

S. ANY GAMBLING FACILITY OR OPERATION, INCLUDING: OFF-TRACK OR SPORTS BETTING PARLOR; TABLE GAMES SUCH AS BLACKJACK OR POKER; SLOT MACHINES, VIDEO POKER/BLACKJACK/KENO MACHINES OR SIMILAR DEVICES; OR BINGO HALL.

STATEMENT OF PLANNING AND DEVELOPMENT GOALS

THE FLORIDIAN TOWN CENTER WILL, THROUGH THE APPLICATION OF THE PROPOSED PD, PERMIT A CONTINUUM OF INSTITUTIONAL, SHOPPING, DINING, LODGING, AND RESIDENTIAL USES WITHIN A HIGH QUALITY, WELL DESIGNED, AND COMPACT PROJECT. EVEN WHILE USING STANDARD LAND USE CATEGORIES, THE PD WILL ALLOW FOR EFFECTIVE ALLOCATION AND INTEGRATION OF USES, INCLUDING THE FLEXIBILITY OF MIXED-USE IN THE CORE OF THE SITE. THE PD IS ESPECIALLY POWERFUL IN ITS ABILITY TO BALANCE THE NEED FOR RESPONSIVENESS IN THE FACE OF RAPIDLY CHANGING MARKETS WITH THE RESPONSIBILITY OF PROVIDING QUALITY ASSURANCE TO THE CITY AND TO NEIGHBORS. THE PD ENSURES THAT SIGNIFICANT OPEN SPACE, AMENITIES, COMMUNITY FACILITIES, AND WAYFINDING ARE PROVIDED AND THAT PEDESTRIAN ACCESS AND COMFORT ARE PRINCIPLE CONCERNS. THE PD ALSO ENSURES THAT THE OPPORTUNITY POSED AT THIS KEY PROPERTY, AT THE CONFLUENCE OF SOME OF THE LARGEST AND MOST IMPORTANT TRANSPORTATION CORRIDORS IN THE REGION, IS NOT WASTED ON INCREMENTAL, PIECEMEAL SPRAWL, BUT MAXIMIZED AS A NEW TOWN CENTER FOR NORTHWEST APOPKA.

COMPENSATING COMMUNITY BENEFITS

COMPENSATING COMMUNITY BENEFITS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- IN AREAS WHERE UNDERGROUND UTILITIES WOULD HAVE PREVENTED THE PLACEMENT OF TRADITIONAL CANOPY STREET TREES, WE ARE TAKING EXTRA STEPS TO ESTABLISH A QUALITY DESIGN AESTHETIC AND A PLEASANT PEDESTRIAN ENVIRONMENT. ON KIOWA AVENUE WE ARE PROVIDING FOR LIVE OAKS OUTSIDE THE ROW AND UTILITY BUFFER THAT WILL COME TO PROVIDE SHADE TO THE SIDEWALK AND DISTINCTIVE CHARACTER TO THE CORRIDOR. ON SOUTHFORK AND FLORIDIAN TOWN CENTER BLVD, THOUGH SMALLER TREES ARE BEING USED IN THE RIGHT OF WAY, WE ARE NEARLY DOUBLING THE STREET TREE REQUIREMENT, IN ORDER TO ACHIEVE THE DESIRED PEDESTRIAN ENVIRONMENT.
- PROTECTION OF MANY EXISTING SPECIMEN TREES BY ALTERING THE LOCATION AND CONFIGURATION OF NUMEROUS STORMWATER PONDS, ROADS, BUFFERS, LANDSCAPED AREAS, AND OPEN SPACE.
- PROVIDING CENTRAL STORMWATER FACILITIES FOR BOTH THE DEVELOPMENT AND THE CITY ROW.
- PROVIDING SIGNIFICANTLY MORE THAN THE MINIMUM 30% OPEN SPACE REQUIREMENT FOR A PD, WHICH IN ITSELF, IS HIGHER THAN THE REQUIREMENTS OF THE CITY'S TRADITIONAL ZONING CATEGORIES.
- PROVIDING FOR CO-BRANDING OF SIGNS AND GATEWAYS FOR THE CITY AND THE DEVELOPMENT.
- PROVIDING A SITE FOR A NEW YMCA, THE ONLY ONE IN THIS PART OF THE ORLANDO METRO.
- PROVIDING FOR THE EXTENSION OF A NEW LOCAL COLLECTOR ROAD, WHICH WILL EVENTUALLY CONNECT TO YOTHERS ROAD.

GENERAL NOTE:

1. ALL NOTES AND DATA TABLES PROVIDED HEREON HAS BEEN PROVIDED BY COMMUNITY SOLUTIONS GROUP, A GAI CONSULTANTS, INC. SERVICE GROUP

NOTES

COMMUNITY DESIGN

1. ALL VEHICLE PARKING LOTS AND STRUCTURES CONTAINING MORE THAN 50 PARKING SPACES SHALL PROVIDE CLEARLY IDENTIFIED PEDESTRIAN ROUTES BETWEEN PARKING AREAS AND A PRIMARY PEDESTRIAN ENTRANCE(S) TO THE BUILDING(S) SERVED BY THE PARKING AREA.
2. EACH MULTI-FAMILY BUILDING SHALL HAVE ACCESS TO A SIDEWALK THAT CONNECTS TO THE PROJECT PEDESTRIAN NETWORK.
3. THE MULTI-FAMILY DEVELOPMENT SHALL HAVE SIDEWALK CONNECTIONS TO THE TOWN CENTER.
4. WHERE A SIDEWALK OR OTHER WALKWAY CROSSES A STREET, DRIVEWAY, DRIVE AISLE, OR PARKING LOT, THE CROSSING SHALL BE CLEARLY MARKED WITH A CHANGE IN PAVING MATERIAL, COLOR, OR HEIGHT, OR DECORATIVE BOLLARDS.

BUILDING DESIGN AND ARCHITECTURE

1. BUILDING FACADES SHALL NOT EXCEED 60 FEET ALONG A STREET FRONTAGE WITHOUT PROVIDING A SUBSTANTIAL VOLUME BREAK SUCH AS A VOLUME RECESS, A TOWER OR BAY, OR AN ARCHITECTURALLY PROMINENT PUBLIC ENTRANCE THE RECESSES AND PROJECTIONS SHALL HAVE A MINIMUM DEPTH OF THREE FEET.
2. IF A FLAT ROOF IS PROPOSED, PARAPET WALLS WITH THREE-DIMENSIONAL CORNICE TREATMENTS SHALL CONCEAL THE ROOF. THE CORNICE SHALL INCLUDE A PERPENDICULAR PROJECTION OF A MINIMUM OF EIGHT (8) INCHES FROM THE PARAPET FACADE PLANE.
3. ALL PRIMARY PEDESTRIAN ENTRANCES INTO PRINCIPAL BUILDINGS SHALL BE CLEARLY DEFINED AND EMPHASIZED USING CHANGES IN THE WALL PLANE OR FACADE MATERIAL, PILASTERS, AWNINGS, CANOPIES, PORCHES, OR OTHER ARCHITECTURAL ELEMENTS. WHERE THE FACADE OF A PRINCIPAL BUILDING ABUTS OR FACES A STREET, AT LEAST ONE OPERABLE PEDESTRIAN ENTRANCE PROVIDING BOTH INGRESS AND EGRESS SHALL BE PROVIDED. IF THE FACADE INCLUDES MULTIPLE TENANT SPACES, AT LEAST ONE SUCH ENTRANCE SHALL BE PROVIDED FOR EACH STREET-LEVEL TENANT SPACE. THESE REQUIRED PEDESTRIAN ENTRANCES SHALL OPEN DIRECTLY TO THE STREET SIDEWALK WITHOUT REQUIRING PEDESTRIANS TO PASS THROUGH A GARAGE, PARKING LOT, OR OTHER NON-PEDESTRIAN AREA LOCATED BETWEEN THE ENTRANCE AND THE STREET.
4. FAÇADES SHALL NOT EXCEED 20 HORIZONTAL FEET AND TEN VERTICAL FEET WITHOUT INCLUDING AT LEAST ONE OF THE FOLLOWING ELEMENTS:(CANOPIES, RECESSES, ARCADES, RAISED PARAPETS, ROOF FORMS, ADJACENT DISPLAY WINDOWS) TO ESTABLISH CLEARLY DEFINED, HIGHLY VISIBLE, PRIMARY BUILDING ENTRANCES. BUILDING FACADES ALONG PUBLIC STREETS SHALL MAINTAIN A PEDESTRIAN SCALE AND INTEGRATE THE PUBLIC AND PRIVATE SPACES USING ARCHITECTURAL ELEMENTS.
5. ANY AC OR MECHANICAL UNITS LOCATED ON THE ROOF SHALL BE SCREENED FROM VIEW.
6. THE MULTI-FAMILY DEVELOPMENT WILL BE GATED.

MULTI-FAMILY AMENITIES

1. ONE COMMUNITY CLUBHOUSE AND POOL WILL BE PROVIDED IN THE FIRST PHASE OF MULTI-FAMILY DEVELOPMENT.
2. THE COMMUNITY CLUBHOUSE SHALL BE EQUIPPED WITH RESTROOMS, KITCHEN AREA, WORKOUT ROOM, AND MEETING AREA.
3. ACCESS TO THE COMMUNITY CLUBHOUSE SHALL BE RESTRICTED TO THE MULTI-FAMILY RESIDENTS AND THEIR GUESTS.
4. THE COMMUNITY CLUBHOUSE SHALL BE DESIGNED TO ACCOMMODATE PERSONS WITH DISABILITIES AS REQUIRED BY FLORIDA BUILDING CODE AND ADA, CURRENT ENFORCED EDITIONS.
5. THE ARCHITECTURAL DESIGN OF THE COMMUNITY CLUBHOUSE SHALL BE COMPLIMENTARY TO THE DESIGN OF THE MULTI-FAMILY BUILDINGS.

FLEX ZONE

1. THE PARCEL 5 "FLEX ZONE" LIES WITHIN THE HDR FUTURE LAND USE AREA AND WILL BE DEVELOPED IN A FUTURE PHASE. MULTIPLE OPTION ARE PROPOSED SUBJECT TO FUTURE MAJOR DEVELOPMENT PLAN APPROVALS:
   - OPTION 1: MULTI-FAMILY/TOWNHOME
   - OPTION 2: COMMERCIAL/RETAIL
   - OPTION 3: PROFESSIONAL OFFICE
   - OPTION 4: MIXED-USE COMBINATION OF 1-3.

PARKING

1. PARKING RATIOS ARE PROVIDED ON SHEET 6.
2. COMPACT SPACES ALLOWED IN COMMERCIAL, UP TO 25% MAXIMUM.
3. REQUEST A WAIVER TO CITY LDC SECTION 5.1.5.I.(2) REQUIREMENT FOR WHEEL STOPS. DEVELOPMENT WILL UTILIZE RAISED CURBS IN LIEU OF WHEEL STOPS. ADDITIONAL DESIGN ALLOWANCE WILL PROVIDE FOR 2' VEHICLE OVERHANG BY EXPANDING CONCRETE SIDEWALKS AND/OR LANDSCAPE AREAS ADJACENT TO PARKING STALLS.

LANDSCAPE & BUFFERS

1. ALL LANDSCAPE DESIGNS WILL ABIDE BY THE CITY OF APOPKA LAND DEVELOPMENT CODE WITH THE EXCEPTIONS LISTED IN THIS SECTION BELOW.
2. THE CITY OF APOPKA LDC APPENDIX D SECTION 4.5 - LANDSCAPING AND BUFFERS REQUIRES STREET TREES TO BE PROVIDED 50' APART AND "CLOSE TO THE CURB". THIS IS IN CONFLICT WITH PUBLIC WORKS AND ENGINEERING REQUIREMENTS TO PROTECT SIDEWALKS AND UNDERGROUND UTILITIES INCLUDING WATER, RECLAIMED, STORMWATER, AND SANITARY SEWER. WE ARE ADDRESSING THIS CONFLICT IN THE FOLLOWING WAYS, DEPENDING ON CONTEXT:

   ON KIOWA AVE - WE ARE PROVIDING THE SAME OR SIMILAR REQUIRED NUMBER OF STREET TREES OUTSIDE BUT ADJACENT TO THE ROW, SEPARATED FROM UTILITIES BY 10'.

   ON SOUTHFORK (EAST OF THE ROUNDABOUT) - DUE TO THE EXPRESSWAY OVERPASS AND NARROW CORRIDORS FOR UNDERGROUND UTILITIES, UNDERSTORY STREET TREES ARE PROVIDED IN PLACE OF CANOPY TREES "CLOSE TO THE CURB". WE HAVE DOUBLED THE NUMBER OF UNDERSTORY TREES TO PROVIDE ADDITIONAL CANOPY AND SHADE.

   ON FLORIDIAN TOWN CENTER BLVD - DUE TO UNDERGROUND UTILITIES, UNDERSTORY TREES ARE PROVIDED "CLOSE TO THE CURB". LIVE OAKS ARE PROVIDED IN THE CENTRAL MEDIAN, AWAY FROM UTILITIES TO INCREASE THE MASS OF TREES AND CANOPY.
3. LANDSCAPE BUFFER PLANTINGS TO BE PROVIDED PER CITY OF APOPKA LDC.
4. THIS PROJECT WILL ABIDE BY ALL RELEVANT TREE PROTECTION STANDARDS PER THE CITY OF APOPKA LAND DEVELOPMENT CODE.
5. NATIVE VEGETATION AROUND THE PERIMETER OF THE SITE WILL BE PRESERVED TO THE GREATEST EXTENT POSSIBLE.

FIRE DEPARTMENT

1. ADEQUATE STABILIZED ACCESS AND FIRE HYDRANTS SHALL BE IN PLACE WITHIN 500' OF ANY STRUCTURE PRIOR TO VERTICAL CONSTRUCTION.
2. FIRE HYDRANTS MUST BE WITHIN 500 FEET OF EACH RESIDENTIAL UNIT.
3. FIRE HYDRANTS SHALL BE MARKED WITH A BLUE ROAD REFLECTOR.
4. ALL MULTI-FAMILY RESIDENTIAL MUST BE EQUIPPED WITH FIRE SPRINKLER SYSTEMS AND FIRE ALARMS MEETING FLORIDA FIRE PREVENTION CODE.
5. FIRE DEPARTMENT CONNECTIONS (FDC) FOR SPRINKLER SYSTEMS MUST BE REMOTE FROM THE BUILDINGS WITH FIRE LANES.
6. IF THE MULTI-FAMILY DEVELOPMENT IS GATED, THE GATE SHALL BE EQUIPPED WITH AN OPTI-COM TYPE SIGNALING DEVICE THAT IS COMPATIBLE WITH CITY OF APOPKA EMERGENCY VEHICLES. IT MUST ALSO BE EQUIPPED WITH A YELP SIREN ACTIVATION AND GATE CODE REQUESTED BY THE FIRE DEPARTMENT.

PUBLIC SERVICES

1. ROADS, DRIVEWAYS, AND ROUNDABOUTS SHALL FOLLOW CITY STANDARDS AND SPECIFICATIONS.
2. UTILITIES SHALL BE COORDINATED WITH AND PROVIDED BY THE CITY OF APOPKA.
3. SANITATION SERVICES SHALL BE COORDINATED WITH AND PROVIDED BY THE CITY OF APOPKA.
4. SANITATION SERVICE SHALL BE VIA ROLL-OFF BINS LOCATED WITHIN AN ENCLOSED COMPACTOR BAY ON EACH SITE.
5. LANDSCAPE AND IRRIGATION DESIGN SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA ORDINANCE 2069, ADOPTED MAY 21, 2008, WHICH ESTABLISHES WATERWISE LANDSCAPE AND IRRIGATION STANDARDS.

PROJECT ROADS

1. PROJECT ROADS, INCLUDING KIOWA AVENUE, SOUTHFORK ROAD, WILLIAMS COURT, AND FLORIDIAN TOWN CENTER BOULEVARD WILL BE OWNED BY THE CITY AND MAINTAINED ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTAINED AGREEMENT(S).
2. MAINTENANCE FOR ALL LANDSCAPED MEDIANS AND STREET TREES SHALL BE THE RESPONSIBILITY OF THE MASTER ASSOCIATION, ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTENANCE AGREEMENTS.
3. ROUNDABOUT PAVEMENT WILL BE MAINTAINED BY THE CITY AS PART OF THE CITY-MAINTAINED ROW. LANDSCAPE AND HARDSCAPE COMPONENTS INTERIOR TO THE ROUNDABOUT PAVEMENT WILL BE MAINTAINED BY THE MASTER ASSOCIATION ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTENANCE AGREEMENT.

SIGNAGE

1. A SIGN PLAN IS PROVIDED ON SHEET S-1. THIS PLAN ADDRESSES THE DIMENSIONS AND LOCATIONS OF THE PROJECT'S OVERALL WAYFINDING PER SECTION 5.10.7.B. OF THE LAND DEVELOPMENT CODE BUT DOES NOT ADDRESS ON-SITE SIGNAGE AND BUILDING SIGNAGE.
2. ALL BUILDING AND SITE SIGNAGE SHALL BE IN ACCORDANCE WITH SECTION 5.10, CITY OF APOPKA LAND DEVELOPMENT CODE
3. THE DESIGNS ILLUSTRATED IN THE SIGN PLAN ARE CONCEPTUAL AND THE MATERIALS, COLORS, AND DESIGNS MAY CHANGE SLIGHTLY AT PERMITTING.

ADDITIONAL NOTES

1. ALL RESIDENTIAL UNITS SHALL COMPLY WITH THE FAIR HOUSING ACT ACCESSIBILITY STANDARDS.
2. ALL RESIDENTIAL UNITS SHALL HAVE LAUNDRY FACILITIES LOCATED WITHIN THE LIVABLE AREA.
3. BICYCLE RACKS SHALL BE PROVIDED AT THE COMMUNITY CLUBHOUSE AND PARK AREAS.
4. DEVELOPMENT WITHIN THE PUD SHALL BE SUBJECT TO MAJOR DEVELOPMENT PLAN APPROVAL.
5. OFF-SITE SIGNAGE SHALL BE SUBJECT TO THE PROPER EASEMENTS.
6. FINAL PLAT SHALL BE RECORDED PRIOR TO FIRST CO.
7. LIGHTING REQUIREMENTS MUST MEET ALL CITY OF APOPKA AND THE ELECTRIC PROVIDER'S REGULATIONS AT THE TIME OF ANY CONSTRUCTION PLAN SUBMITTAL AND ANY SUBSEQUENT APPROVALS

NO.	DATE	
3	3/22/21	REVISED PERMITTED AND PROHIBITED USE DATA
2	2/11/21	REVISED PER CITY COMMENTS
1	2/11/21	REVISED PER CITY COMMENTS
	DATE	REVISIONS

JTT | JTT | JTT | CHK.

JOHN T. TOWNSEND LICENSE No. 52127 STATE OF FLORIDA REGISTERED LANDSCAPE ARCHITECT
JOHN T. TOWNSEND
FLORIDA REG. No. LA 0001221
DATE

NOT FOR CONSTRUCTION

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

JOB NUMBER 18161 | SCALE NTS | DATE 10/30/20 | CHECKED BY JTT | DESIGNED BY MAB | DRAWN BY MAB

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

DEVELOPMENT NOTES, DATA TABLES AND TYPICAL ROAD SECTIONS

DRAWING SHEET 6 OF 16

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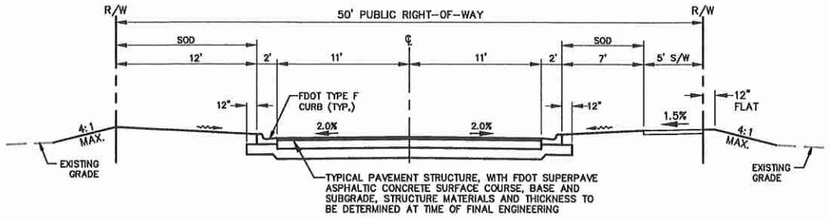
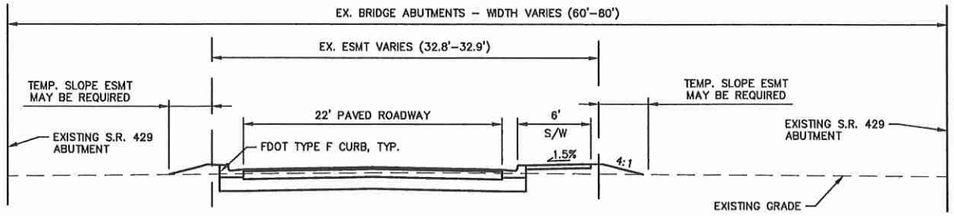
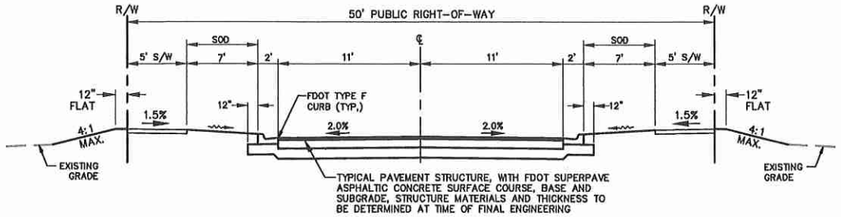


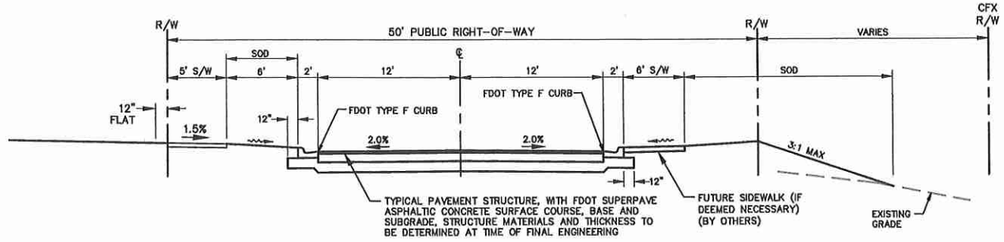
SOUTHFORK ROAD SECTION
FROM SR 429 UNDERPASS TO PLYMOUTH-SURRENTO RD
NTS



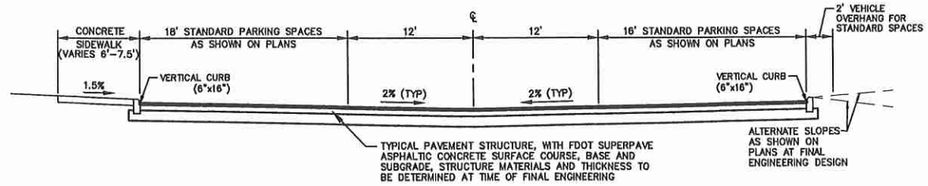
SOUTHFORK ROAD SECTION
THROUGH SR 429 UNDERPASS
NTS



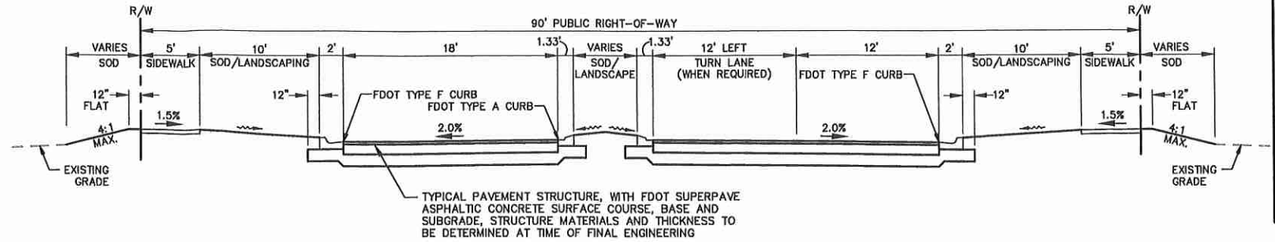
SOUTHFORK ROAD SECTION
WEST OF S.R. 429
NTS



KIOWA AVENUE SECTION
NTS



TYPICAL PARKING AISLE SECTION
NTS



CROWNED ENTRANCE ROAD SECTION
NTS



NO.	DATE	REVISIONS	DRK.
2	3/11/21	REVISED PER CITY COMMENTS	JTT
1	2/11/21	REVISED PER CITY COMMENTS	JTT

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS SURVEYORS PLANNERS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068
CERTIFICATE OF AUTHORIZATION NO. 68

DRAWN BY: MAB | DESIGNED BY: MAB | CHECKED BY: JTT | DATE: 10/30/20 | SCALE: NTS | JOB NUMBER: 18161

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PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER (aka: 429 WEST)

CITY OF APOPKA, FLORIDA

DEVELOPMENT NOTES, DATA TABLES AND TYPICAL ROAD SECTIONS

DRAWING: 18161-MUMP-NOTE

SHEET: 6A OF 16

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GENERAL NOTES:

1. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER (aka: 429 WEST)
CITY OF APOPKA, FLORIDA

MASTER PLAN – NORTH

DRAWING

SHEET 7 OF 15

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

DRAWN BY MAB | DESIGNED BY MAB | CHECKED BY JTT | DATE 10/30/20 | SCALE 1"=60' | JOB NUMBER 18161

JOHN T. TOWNSEND
FLORIDA P.E. NO. 52127
DATE: 10/30/20

NO.	DATE	REVISIONS	CHK.
1	2/1/21	REVISED PER CITY COMMENTS	JTT

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MATCH LINE A – SEE SHEET 7

PARCEL 7
ALF/COMMERCIAL

PARCEL 4
RESIDENTIAL
(OPTIONAL FLEX
SPACE/OFFICE)

12.01'
32.82'
12.01'

25' LANDSCAPE BUFFER ALONG DEVELOPMENT WESTERN PROPERTY LINE

PARCEL 7 ACCESS POINT

STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND)

PARCEL 6
YMCA/COMMERCIAL

APPROXIMATE LOCATION OF PARCEL 6 ACCESS POINT

SOUTHFORK RD 50' PUBLIC R/W

TRACT E
STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND)

DECORATIVE FENCE, SEE LANDSCAPE PLANS

SCREEN WALL

DEW BERRY AVE.

N89°31'43"E 662.15'

25' LANDSCAPE BUFFER ALONG DEVELOPMENT WESTERN PROPERTY LINE

TRACT D
STORMWATER MANAGEMENT & OPEN SPACE

NIT AVE.

S00°24'43"E 941.36'

APPROXIMATE LOCATION OF PARCEL 6 ACCESS POINT

APPROXIMATE LOCATION OF PARCEL 5 ACCESS POINT

APPROXIMATE LOCATION OF PARCEL 1 ACCESS POINT

PARCEL 1
COMMERCIAL

PARCEL 1 ACCESS POINT

PARCEL 5
FLEX SPACE/OFFICE

PARCEL 5 ACCESS POINT

LIMITS OF PUBLIC/PRIVATE ROADWAY OWNERSHIP FOR MAINTENANCE

PARCEL 4 INTERNAL PHASE LIMITS

GATED ACCESS

CLUB HOUSE

POOL

SEATING AREA

GUEST PARKING AT CLUB HOUSE

PRIVATE INTERNAL ROAD

TRACT G
STORMWATER MANAGEMENT & OPEN SPACE

STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND)

TRACT F
OPEN SPACE

N89°29'1
84.79'

N02°28'29"W 642.86'

KIOWA AVE
50' PUBLIC R/W

APPROXIMATE LOCATION OF PARCEL 3 ACCESS POINT

S.R. 429

N02°20'29"W 842.86'

PARCEL 3
HOTEL/COMMERCIAL

APPROXIMATE LOCATIONS OF PARCEL 3 ACCESS POINTS

TRACT A
LANDSCAPE/HARDSCAPE & OPEN SPACE

SOUTHFORK ROAD
50' PUBLIC R/W

ROUNDABOUT WITH LANDSCAPE FEATURE

APPROXIMATE LOCATIONS OF PARCEL 2 ACCESS POINTS

FLORIDIAN TOWN CENTER BLVD
100' PUBLIC R/W

ANGLED ON-STREET PARKING (PARKING SPACES TO BE MAINTAINED BY MASTER PROPERTY OWNERS ASSOCIATION)

20' LANDSCAPE MEDIAN

PARCEL 2 ACCESS POINT

PARCEL 2
COMMERCIAL

S02°28'29"E 842.86'

LEFT TURN LANE TO PARCEL 1

MATCH LINE C
SEE SHEET 9

LEGEND
- ASPHALT PAVEMENT
- CONCRETE SIDEWALKS
- PROPOSED BUILDINGS

GENERAL NOTES:
1. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

MATCH LINE B – SEE SHEET 9

NOT FOR CONSTRUCTION

JOHN J. TOWNSEND
LICENSED
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52121
2/11/21

NO.	DATE	REVISIONS	BY
	2/11/21	REVISED PER CITY COMMENTS	JTT

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE
MAB	MAB	JTT	10/30/20

JOB NUMBER 18161 | SCALE 1"=60'

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

MASTER PLAN – MID SECTION

DRAWING SHEET 8 OF 15

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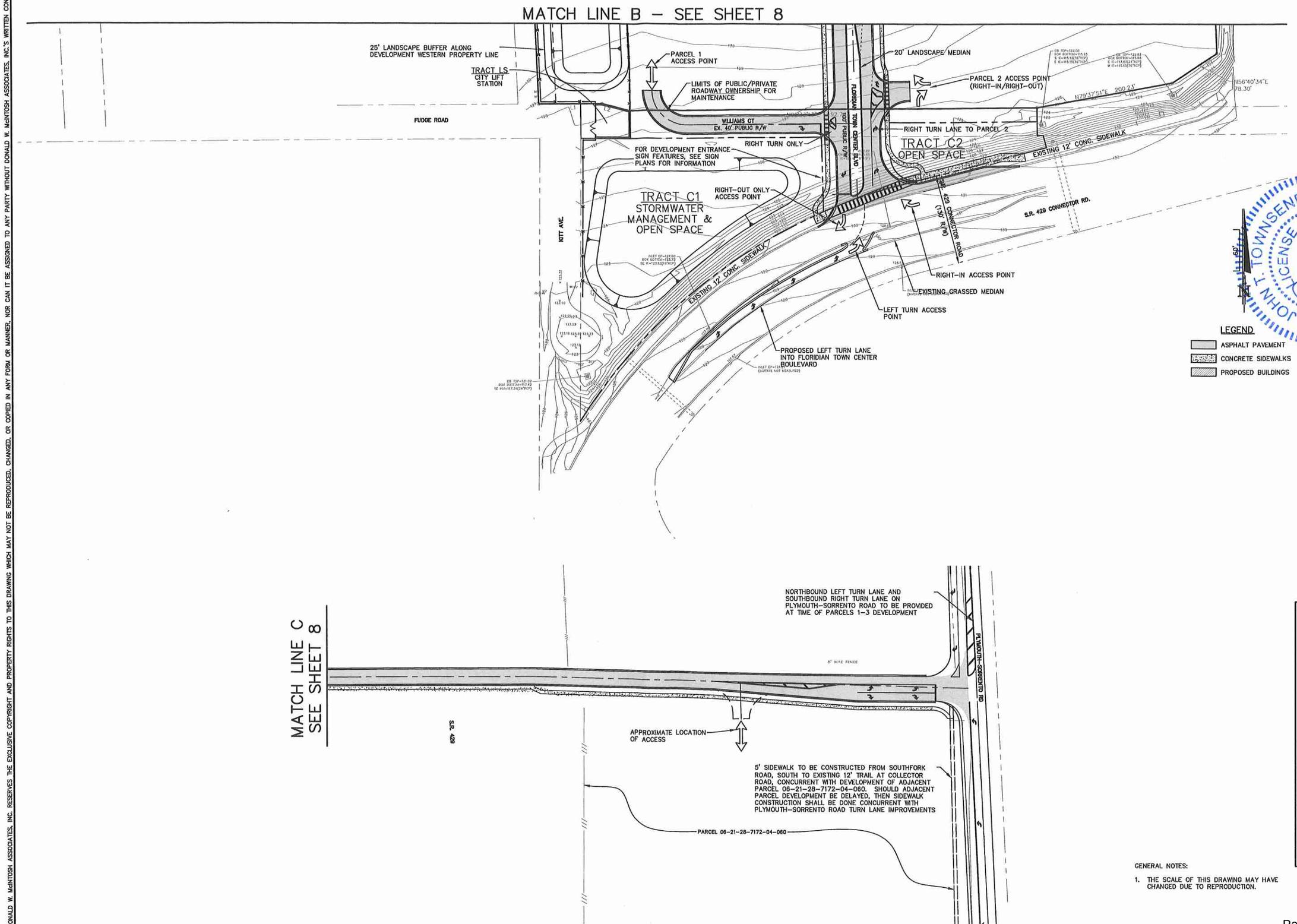
F:\Proj2018\18161\PDWG\Mixed Use Master Plan\18161-MUMP-MP.dwg



GENERAL NOTES:

1. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

NO.	DATE	REVISIONS	JTT	CHK.
1	2/11/21	REVISED PER CITY COMMENTS		

JOHN T. TOWNSEND LICENSE STATE OF FLORIDA PROFESSIONAL ENGINEER

DONALD W. McINTOSH ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
MAB	MAB	JTT	10/30/20	1"=60'	18161

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA
MASTER PLAN – SOUTH & SOUTHFORK ROAD IMPROVEMENTS

DRAWING
SHEET 9 OF 15

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LEGEND:

- STREET TREE
- OFF-STREET VEHICULAR PARKING AREA TREE
- OPEN SPACE TREE
- FOUNDATION PLANTING CANOPY TREE
- FOUNDATION PLANTING UNDERSTORY TREE
- BUFFER UNDERSTORY TREE
- LANDSCAPE FEATURE
- SOD OR SEED & MULCH
- DRY RETENTION POND
- BUILDING
- —x— 6' HT. VINYL FENCE
- — — 6' DECORATIVE, ALUMINUM PICKET FENCE
- —— 6' PRE-CAST PANEL CONCRETE WALL

NOTES:

1. LANDSCAPE & IRRIGATION DESIGN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA'S ORDINANCE 2069, ADOPTED MAY 21, 2008 WHICH ESTABLISHES WATERWISE LANDSCAPE AND IRRIGATION STANDARDS.
2. ALL TREE SPECIES AND CALIPER SHALL COMPLY WITH THE CITY OF APOPKA LANDSCAPE REQUIREMENTS.

KEY PLAN
N.T.S.

MATCH LINE - SEE SHEET L2

REGISTERED LANDSCAPE ARCHITECT ANNE G. WEST L.A. No. 6667082 STATE OF FLORIDA
NOT FOR CONSTRUCTION
8/23/02

REVISIONS	CHK.
NO.	DATE

JOB NUMBER A180675.02
DATE: 8/23/02
SCALE 1"=60'
DATE 10/23/2020
CHECKED BY AGW
DESIGNED BY JNT
DRAWN BY JNT

COMMUNITY SOLUTIONS GROUP
618 E. SOUTH STREET SUITE 700 ORLANDO, FL 32801 407 423-8398
A CALCONSULTANTS, INC SERVICE GROUP CERTIFICATE OF AUTHORIZATION 6999

PLANNED DEVELOPMENT MASTER PLAN
FLORIDIAN TOWN CENTER (aka: 429 WEST)
CITY OF APOPKA, FLORIDA
LANDSCAPE PLAN

DRAWING L1
SHEET 10 OF 15

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MATCH LINE - SEE SHEET L1

FUTURE PHASE

FUTURE PHASE

CLUB HOUSE

POOL

6' DECORATIVE, ALUMINUM PICKET FENCE

LANDSCAPE ISLANDS TYPICAL AT PARKING AISLE. (1) OFF-STREET VEHICULAR PARKING AREA TREE FOR EVERY 10 PARKING SPACES (TYPICAL).

ENTRANCE GATEWAY □ FENCE CONNECTED TO POOL

(1) FOUNDATION PLANTING CANOPY TREE □ 10 SHRUBS PER 35 LF (TYPICAL)

DRY DETENTION POND

6' HT. VINYL FENCE

PHASE I BOUNDARY

DRY DETENTION POND

□IOWA A□□

STREET TREES AT 50' O.C. MAX, 35' FROM INTERSECTION (TYPICAL)

EXISTING TREES BETWEEN PROPERTY LINE AND THE LANDSCAPE BUFFER TO REMAIN (TYPICAL).

SOUT□□OR□ ROAD

DRY DETENTION POND

FUTURE PHASE

FUTURE PHASE

FUTURE PHASE

6' PRE-CAST PANEL CONCRETE WALL

SOUTHFORK ROAD

OPEN SPACE TREE (TYPICAL)

LANDSCAPE FEATURE (TYPICAL)

(2) UNDERSTORY TREES AT 50' O.C. MAX

SR-429 BRIDES OVERHEAD

6' HT. VINYL FENCE

DRY DETENTION POND

FUTURE PHASE

FUTURE PHASE

FLORIDIAN TOWN CENTER BLVD

MATCH LINE B - SEE SHEET L3

MATCH LINE A - SEE SHEET L3

NOTES:

1. LANDSCAPE & IRRIGATION DESIGN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA'S ORDINANCE 2069, ADOPTED MAY 21, 2008 WHICH ESTABLISHES WATERWISE LANDSCAPE AND IRRIGATION STANDARDS.
2. ALL TREE SPECIES AND CALIPER SHALL COMPLY WITH THE CITY OF APOPKA LANDSCAPE REQUIREMENTS.

LEGEND:

- STREET TREE
- OFF-STREET VEHICULAR PARKING AREA TREE
- OPEN SPACE TREE
- FOUNDATION PLANTING CANOPY TREE
- FOUNDATION PLANTING UNDERSTORY TREE
- BUFFER UNDERSTORY TREE
- LANDSCAPE FEATURE
- SOD OR SEED & MULCH
- DRY RETENTION POND
- BUILDING
- —x— 6' HT. VINYL FENCE
- — — 6' DECORATIVE, ALUMINUM PICKET FENCE
- ——— 6' PRE-CAST PANEL CONCRETE WALL

0 30 60 North

KEY PLAN
N.T.S.

REGISTERED LANDSCAPE ARCHITECT
ANNE G. WHITE
No. 6667082
STATE OF FLORIDA
NOT FOR CONSTRUCTION
3/31/2021

CHK.	REVISIONS	DATE

JOB NUMBER A180675.02 | SCALE 1"=60' | DATE 10/23/2020

618 E. SOUTH STREET
SUITE 700
ORLANDO, FL 32801
407 423-8398

COMMUNITY SOLUTIONS GROUP

ENGINEERING | PLANNING | SURVEYING
CERTIFICATE OF AUTHORIZATION #28481

DRAWN BY JNT | DESIGNED BY JNT | CHECKED BY AGW

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

LANDSCAPE PLAN

DRAWING L2 | SHEET 11 OF 15

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MATCH LINE A - SEE SHEET L2



0 30 60 North

LEGEND:

- STREET TREE
- OFF-STREET VEHICULAR PARKING AREA TREE
- OPEN SPACE TREE
- FOUNDATION PLANTING CANOPY TREE
- FOUNDATION PLANTING UNDERSTORY TREE
- BUFFER UNDERSTORY TREE
- LANDSCAPE FEATURE
- SOD OR SEED & MULCH
- DRY RETENTION POND
- BUILDING
- —x— 6' HT. VINYL FENCE
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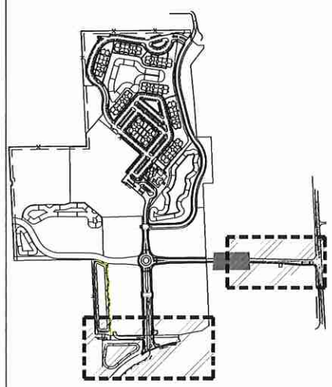
NOTES:

1. LANDSCAPE & IRRIGATION DESIGN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA'S ORDINANCE 2069, ADOPTED MAY 21, 2008 WHICH ESTABLISHES WATERWISE LANDSCAPE AND IRRIGATION STANDARDS.
2. ALL TREE SPECIES AND CALIPER SHALL COMPLY WITH THE CITY OF APOPKA LANDSCAPE REQUIREMENTS.



KEY PLAN
N.T.S.

MATCH LINE B - SEE SHEET L2



REGISTERED LANDSCAPE ARCHITECT
ANNE G. WEST
LA6667082
STATE OF FLORIDA
NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	CHK.

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

LANDSCAPE PLAN

COMMUNITY SOLUTIONS GROUP
618 E. SOUTH STREET
SUITE 700
ORLANDO, FL 32801
407 423-8398
A GMC CONSULTANTS, INC. SERVICE GROUP
CERTIFICATE OF AUTHORIZATION 03861

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
JNT	JNT	AGW	10/23/2020	1"=60'	A180675.02

DRAWING L3
SHEET 12 OF 15

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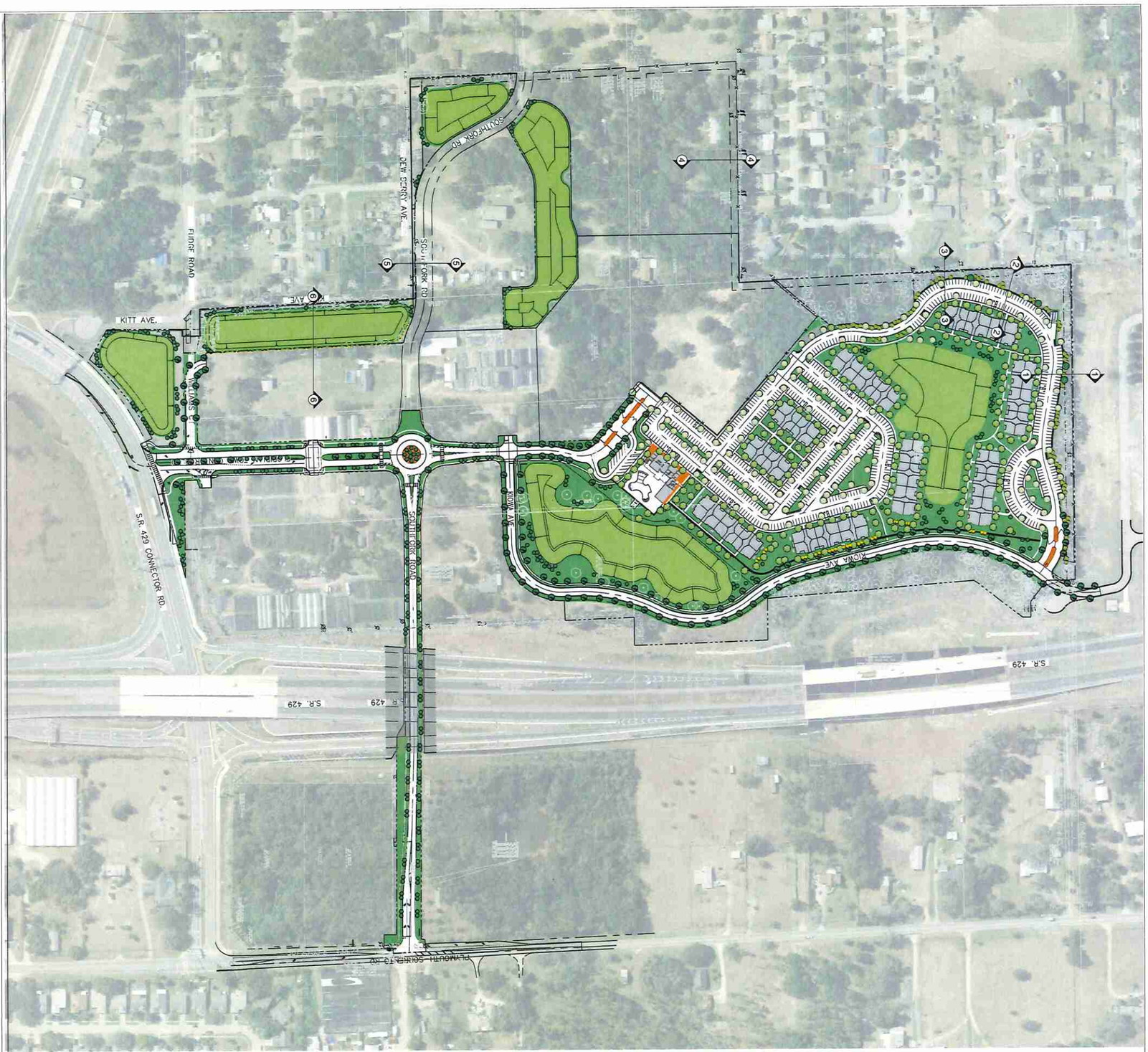
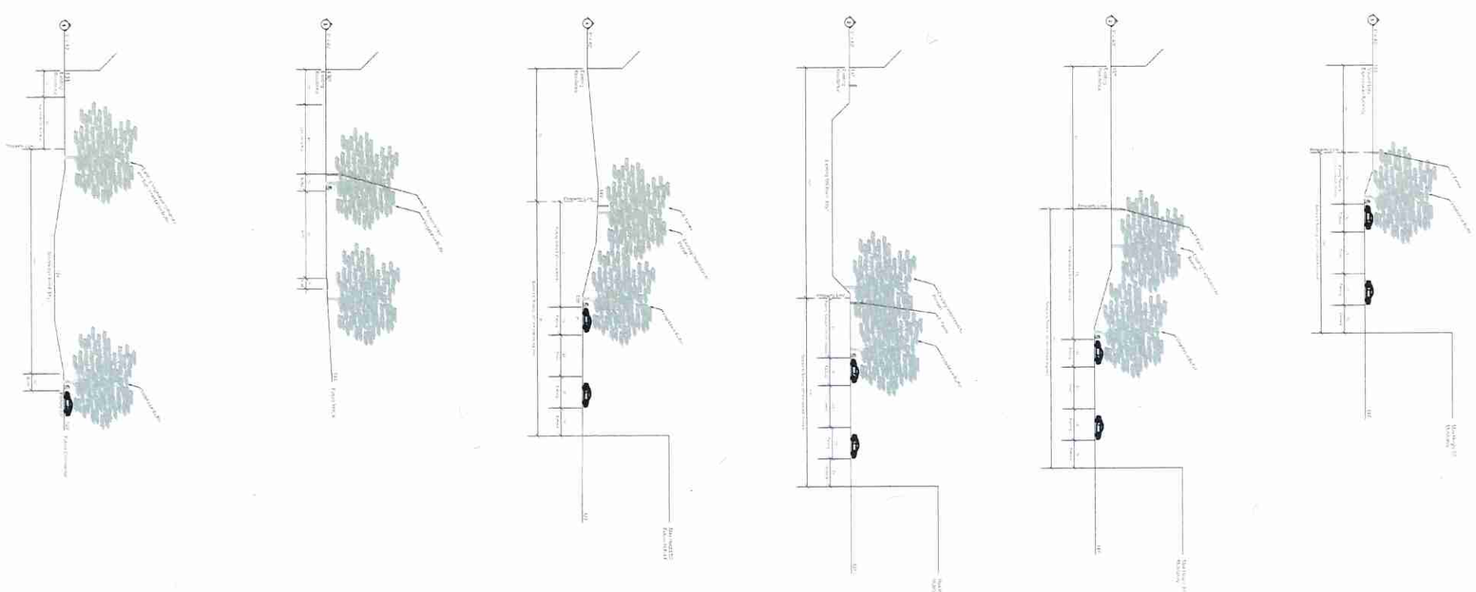




PLANNED DEVELOPMENT MASTER PLANS

NOT FOR CONSTRUCTION

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

BUFFER PLAN

DRAWING B-1

SHEET 3 OF 15

COMMUNITY SOLUTIONS GROUP
618 E. SOUTH STREET
SUITE 700
ORLANDO, FL 32801
407 423-8398

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
			02/10/2021		A180675.02

DATE:

NO.	DATE	REVISIONS	CHK.

Legend

- Common Open Space
- Active Recreation Areas
- Buffer
- Steep Slope Areas
- Dry Retention

Required Open Space Calculations

Inside the Gates of Parcel 4
Open Space Required - 30.39 acres x 0.3 = 9.27 acres
Open Space Shown in Phase 1a - 11.22 acres = 36.9%

Outside the Gates of Parcel 4
Open Space Required - 43.49 acres x 0.3 = 13.05 acres
Open Space Shown in Phase 1a - 15.75 acres = 36.2%*



Common Open Space



Active Recreation



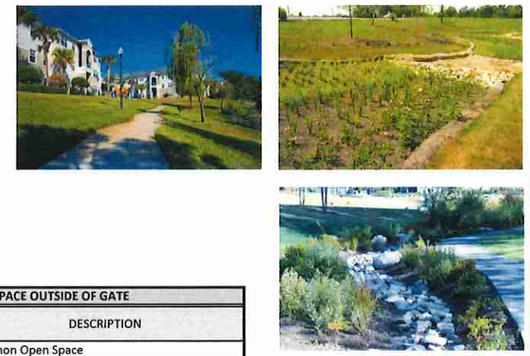
Buffer



Dry Retention



Steep Slope Area



OPEN SPACE INSIDE OF GATE			OPEN SPACE OUTSIDE OF GATE		
PARCEL NO.	AREA (ACRES)	DESCRIPTION	PARCEL NO.	AREA (ACRES)	DESCRIPTION
OS-5	1.77	Common Open Space	OS-1	0.00	Common Open Space
OS-6	0.75	Common Open Space	OS-2	0.02	Common Open Space
OS-7	0.08	Common Open Space	OS-3	0.18	Common Open Space
OS-8	0.20	Active Recreation Areas	OS-4	1.56	Steep Slope Areas
OS-9	0.08	Common Open Space	OS-10	1.81	Common Open Space
OS-13	0.08	Active Recreation Areas	OS-11	0.93	Common Open Space
OS-14	3.30	Active Recreation Areas	OS-12	2.71	Dry Retention
OS-25	0.20	Common Open Space	OS-15	1.08	Buffer
OS-26	0.07	Common Open Space	OS-16	1.35	Dry Retention
OS-27	2.21	Dry Retention	OS-17	0.20	Common Open Space
OS-28	0.33	Common Open Space	OS-18	0.04	Common Open Space
OS-29	1.57	Buffer	OS-19	1.08	Buffer
OS-30	0.22	Common Open Space	OS-20	0.69	Dry Retention
OS-31	0.20	Common Open Space	OS-21	0.19	Common Open Space
OS-32	0.14	Common Open Space	OS-22	1.81	Dry Retention
OS-33	0.02	Common Open Space	OS-23	0.81	Buffer
TOTAL	11.22		OS-24	1.10	Steep Slope Areas
			OS-34	0.19	Buffer
			TOTAL	15.75	

*Note: Most of the open space shown outside of the multi-family Parcel 4 is comprised of stormwater and basic buffers. Once detailed plans are created for future phases, it is likely that more open space will be provided. The final numbers will be established on future Development Plans.

NOT FOR CONSTRUCTION

COMMUNITY SOLUTIONS GROUP
618 E. SOUTH STREET
SUITE 700
ORLANDO, FL 32801
407 423-8398

DRAWN BY: | DESIGNED BY: | CHECKED BY: | DATE: 02/10/2021 | SCALE: | JOB NUMBER: A180675.02

PLANNED DEVELOPMENT MASTER PLANS

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

OPEN SPACE AND RECREATION PLAN

DRAWING OS-1

SHEET 14 OF 15

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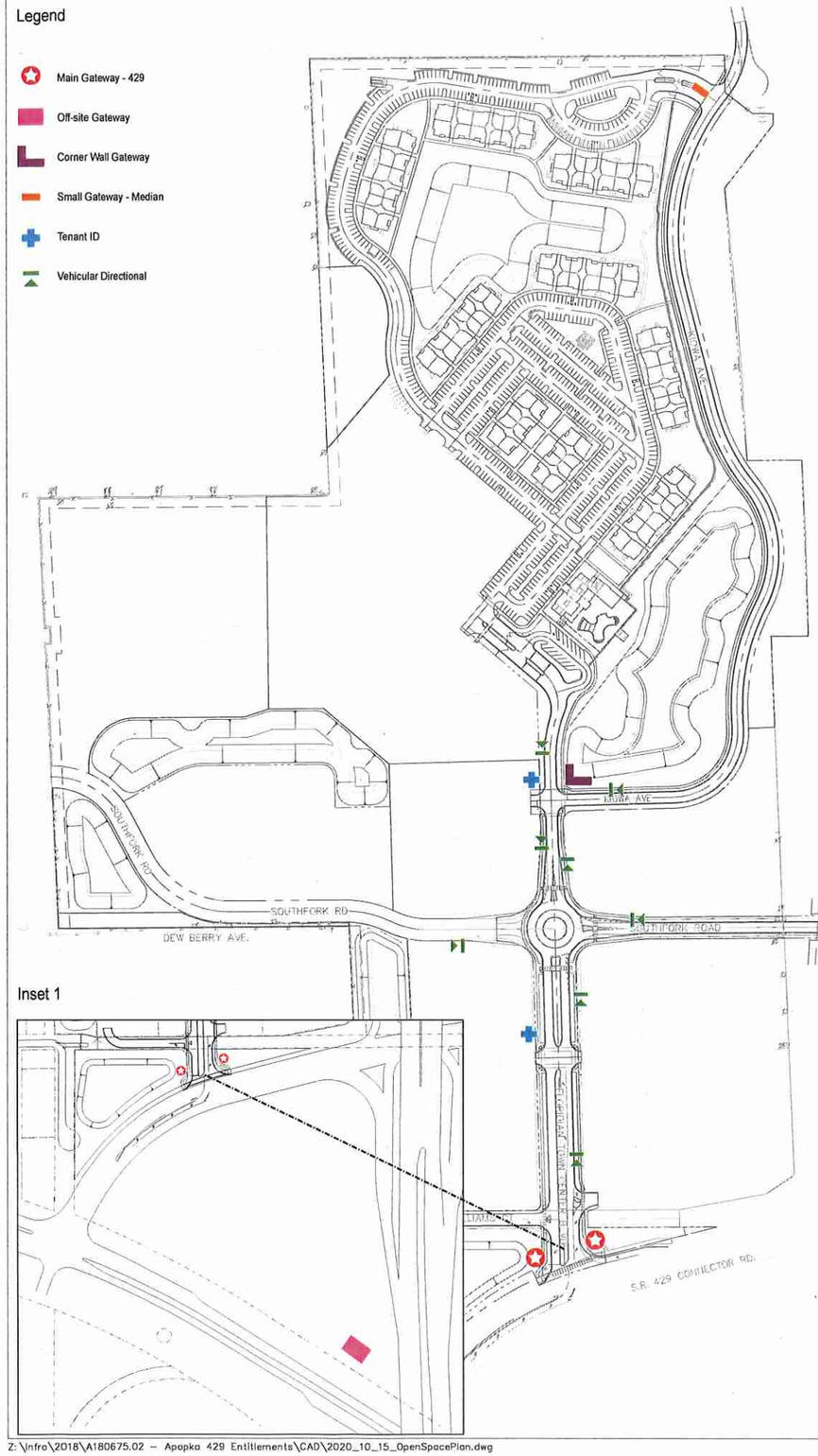
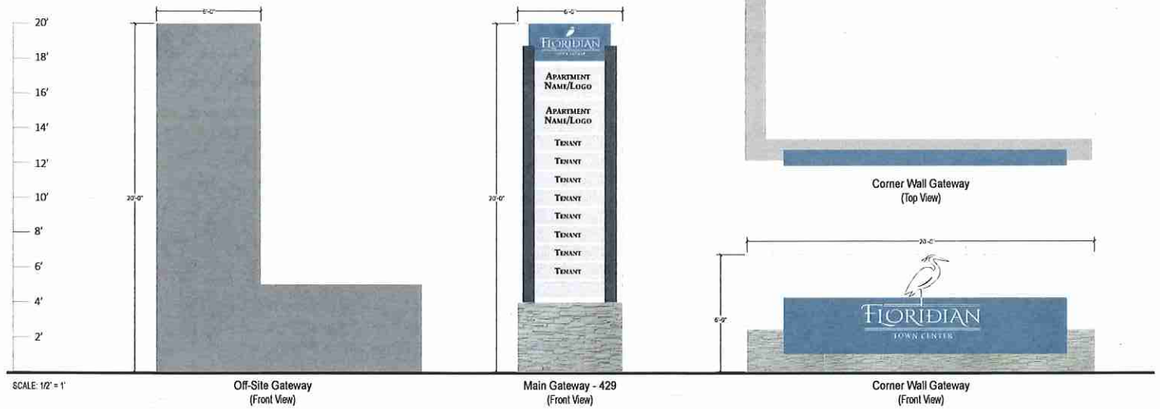
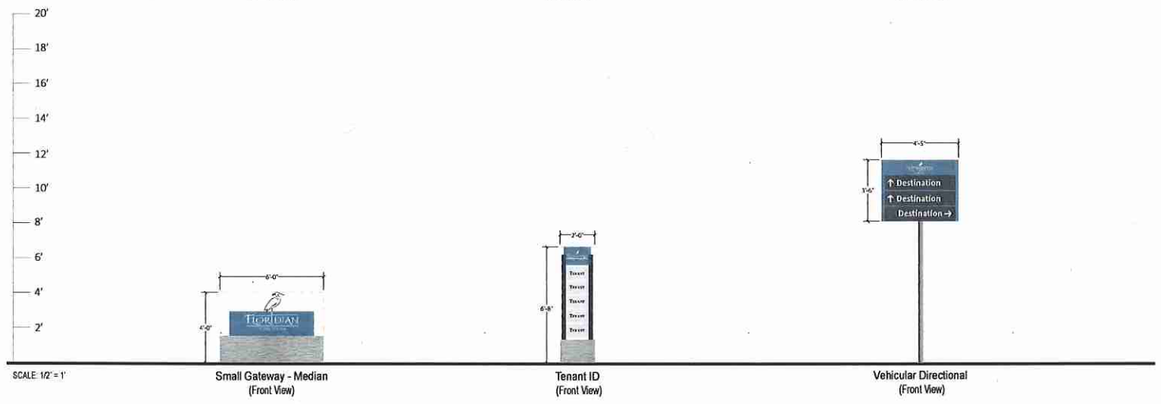
Legend

- Main Gateway - 429
- Off-site Gateway
- Corner Wall Gateway
- Small Gateway - Median
- Tenant ID
- Vehicular Directional



Proposed Sign Palette





Note: The signage design illustrated above is preliminary and shows design intent. Final approved signs may differ slightly in materials and color. The proposed sign palette illustrates maximum dimensions of proposed signs

NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS

COMMUNITY SOLUTIONS GROUP
315 E. SOUTH STREET
SUITE 700
ORLANDO, FL 32801
407.422-8166

JOB NUMBER A180675.02
SCALE
DATE
DESIGNED BY
DRAWN BY
CHECKED BY

DEVELOPMENT PLANS

FLORIDIAN TOWN CENTER
(aka: 429 WEST)
CITY OF APOPKA, FLORIDA

S-1 SIGNAGE PLAN

DRAWING S-1

SHEET 15 OF 15

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ORDINANCE NO. 3060

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING ORDINANCE NO. 2840, WHICH IS KNOWN AS THE "FLORIDIAN TOWN CENTER" PLANNED DEVELOPMENT (PD), GENERALLY LOCATED NORTH OF W. ORANGE BLOSSOM TRAIL AND WEST OF S.R. 429, COMPRISING 73.93 ACRES MORE OR LESS; PROVIDING FOR DIRECTIONS TO THE COMMUNITY DEVELOPMENT DIRECTOR, SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage the growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, the property owners have requested to amend Ordinance No. 2840; and

WHEREAS, the proposed PD (Planned Development) District zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Council of the City of Apopka, Florida, as follows:

Section I. That the zoning classification of the property described in Exhibit A, being situated in the City of Apopka, Florida, is hereby PD District, as defined in the Apopka Land Development Code, and with the following provisions:

A. Development of the property shall occur consistent with the Master Plan set forth in Exhibit "B". Where any development standard conflicts between the Master Plan and the Land Development Code, the Master Plan shall preside. Any proposed revision to the Master Plan shall be evaluated and processed pursuant to the Land Development Code.

B. A PD Agreement prepared in accordance with LDC Section 3.7.2.F.2 shall be approved by the City Council.

C. The uses permitted and prohibited within the PD District are those noted on the Master Plan and PD Agreement.

D. If a Plat associated with the PD district has not been approved by the City within three years after approval of these Master Plan, the approval of the Master Plan provisions will expire. At such time, the City Council may:

1. Permit a single six-month extension for submittal of the required Minor or Major Development Plan;

2. Allow the PD zoning designation to remain on the property pending resubmittal of new Master Plan provisions and any conditions of approval; or

3. Rezone the property to an appropriate zoning classification

Section II. That the zoning classification is consistent with the Comprehensive Plan of the City of Apopka, Florida. The applicant shall obtain all approvals as required, if any, per the Orange

County Charter and the Amended Interlocal Agreement for Public School Facility Planning and Implementation of Concurrency.

Section III. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

Section IV. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

Section V. That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section VI. That this Ordinance shall take effect upon the date of adoption.

ADOPTED at a regular meeting of the City Council of the City of Apopka, Florida, this 17th day of July, 2024.

READ FIRST TIME: June 19, 2024

READ SECOND TIME AND ADOPTED: July 17, 2024

ATTEST:

Susan Bone, City Clerk

Bryan Nelson, Mayor

Approved as to form and legal sufficiency:

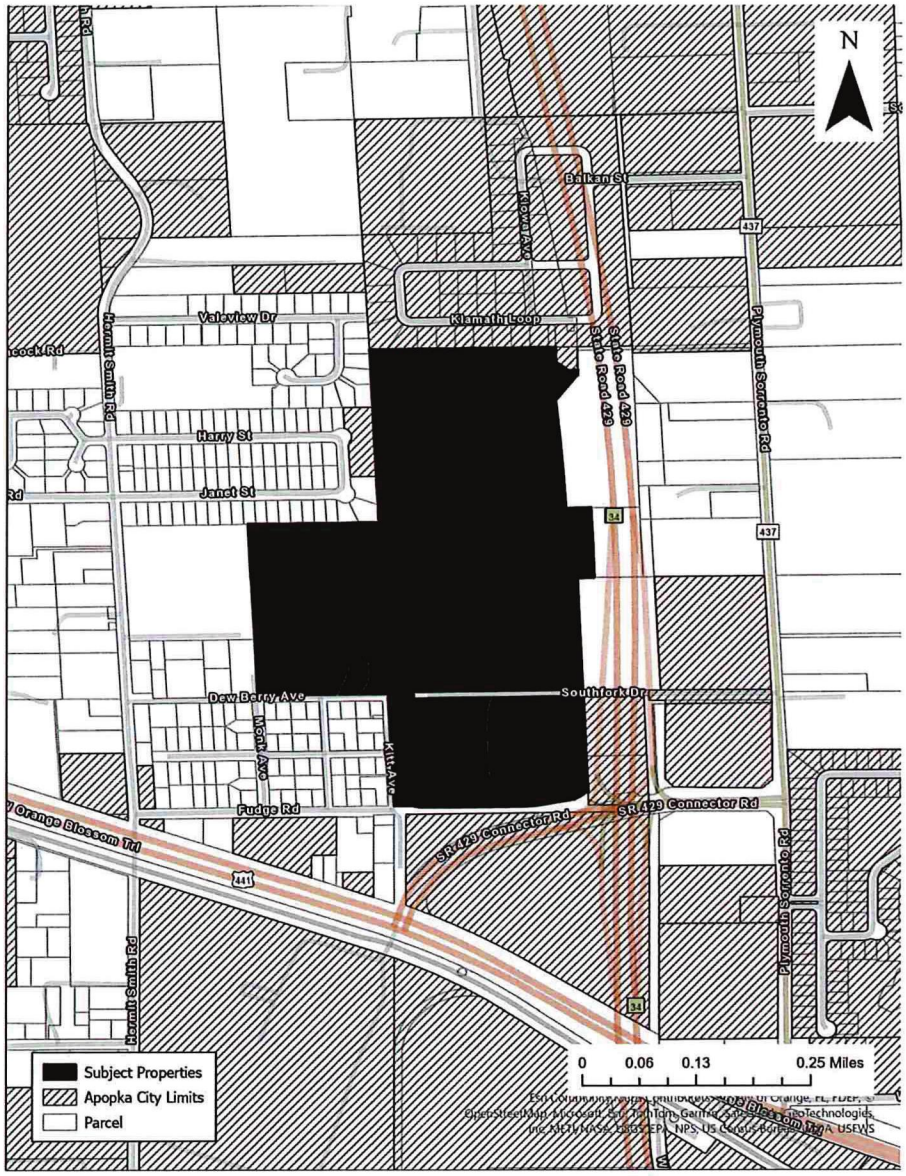
Clifford B. Shepard

Cliff Shepard, City Attorney

DULY ADVERTISED FOR PUBLIC HEARING: May 31, 2024, June 21, 2024

EXHIBIT "A"

Parcel Identification Number(s): 27-20-36-0000-00-093; 27-20-36-0000-00-075; 27-20-36-0000-00-052; 27-20-36-0000-00-068; 27-20-36-0000-00-074; 27-20-36-0000-00-048; 27-20-36-0000-00-085; 28-21-06-7172-16-020; 28-21-0671-7216-040; 28-21-0671-7216-051; 28-21-0671-7216-070; 28-21-06-7172-16-060; 28-21-0671-7216-050; 27-20-36-0000-00-066; 28-21-06-7172-16-042; 27-20-36-0000-00-083; 27-20-36-0000-00-047; 28-21-06-7172-16-040; 28-21-06-7172-16-030



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PLANNED DEVELOPMENT MASTER PLAN

NOT FOR CONSTRUCTION

JAMES C. THURSBY
FLORIDA P.E. No. 57553
DATE:

FLORIDIAN TOWN CENTER

CITY OF APOPKA, FLORIDA

PREPARED FOR

FLORIDIAN APOPKA PHASE I OWNER, LLC
60 14th STREET SOUTH, SUITE 104
BIRMINGHAM, AL 35233
PH: 205.254.8565

FLORIDIAN TOWN CENTER

VICINITY MAP



SECTION 36, TOWNSHIP 20 S, RANGE 27 E,
SECTION 31, TOWNSHIP 20 S, RANGE 28 E
PROPERTY APPRAISER PARCEL ID #
06-21-28-7172-05-002, 06-21-28-7172-15-020, 06-21-28-7172-15-030, 06-21-28-7172-15-040, 06-21-28-7172-15-050, 06-21-28-7172-15-051, 06-21-28-7172-15-060, 06-21-28-7172-15-070, 36-20-27-0000-00-047, 36-20-27-0000-00-048, 36-20-27-0000-00-052, 36-20-27-0000-00-066, 36-20-27-0000-00-068, 36-20-27-0000-00-074, 36-20-27-0000-00-075, 36-20-27-0000-00-083, 36-20-27-0000-00-085, 36-20-27-0000-00-093

OWNER/APPLICANT
FLORIDIAN APOPKA PHASE I OWNER, LLC
60 14th STREET SOUTH, SUITE 104
BIRMINGHAM, AL 35233
Ph: 205.254.8565

ENGINEER/SURVEYOR
DONALD W. McINTOSH ASSOCIATES, INC.
2200 PARK AVENUE NORTH
WINTER PARK, FLORIDA 32789
Ph: 407.644.4068
CONTACT PERSON: JOHN T. TOWNSEND, PE

PLANNERS/LANDSCAPE ARCHITECTS
GAI CONSULTANTS, INC.
618 E. SOUTH STREET, SUITE 700
ORLANDO, FLORIDA 32801
Ph: 321.319.3069

GEOTECHNICAL SERVICES
DEVO ENGINEERING
5500 ALHAMBRA DRIVE
ORLANDO, FLORIDA 32808
Ph: 407.290.2371

REVISED JUNE 19, 2024
OCTOBER 30, 2020

McINTOSH ASSOCIATES an LA company
1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.644.4068
ENGINEERS
PLANNERS
SURVEYORS

SHEET INDEX

1	COVER SHEET
2	BOUNDARY AND LEGAL DESCRIPTION
3	AERIAL, EXISTING SOILS & FLUCCS
4	EXISTING AND PROPOSED ZONING & FLU MAP
5	OVERALL MASTER PLAN AND PHASING PLAN
6	DEVELOPMENT NOTES, DATA TABLES AND TYPICAL ROAD SECTIONS
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B–1	BUFFER PLAN
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S–1	SIGNAGE PLAN

FLORIDIAN TOWN CENTER – –MUMP–18161 – 10/30/20 – REVISED 06/19/24

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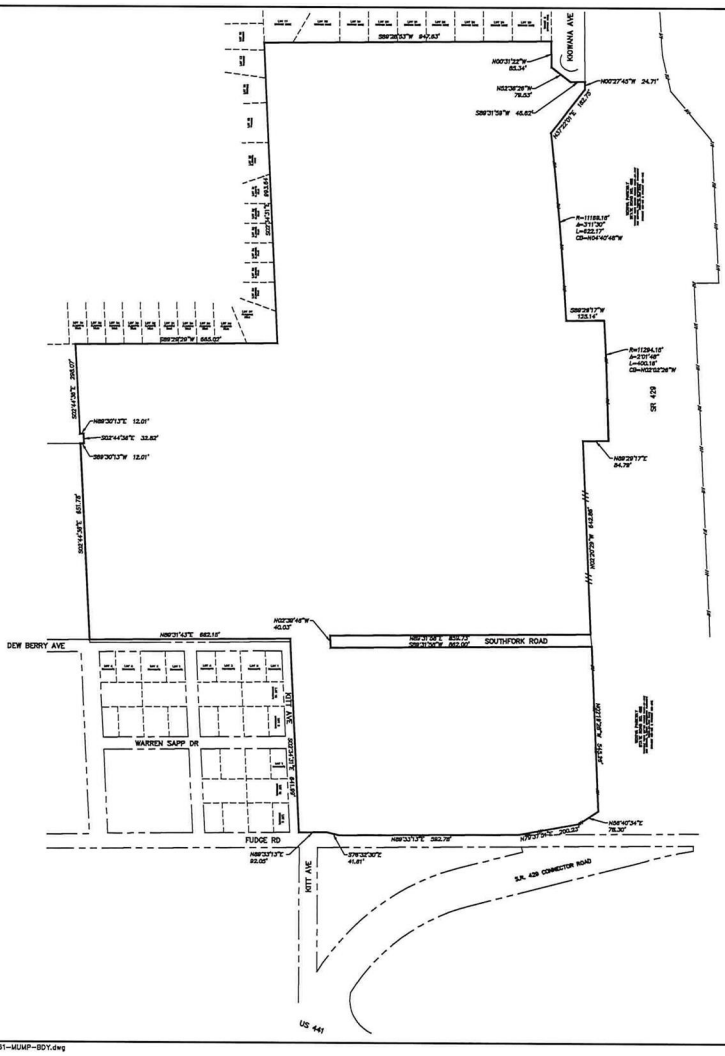

DESCRIPTION:

That part of MAP OF PLYMOUTH, according to the plat thereof, as recorded in Plat Book B, Pages 17 and 18, of the Public Records of Orange County, Florida, and that part of Section 36, Township 20 South, Range 27 East, Orange County, Florida, described as follows:

BEGIN at the Southwest corner of Tract G, according to the plat of STANTON RIDGE, as recorded in Plat Book 99, Pages 131 through 134, of the Public Records of Orange County, Florida; thence S89°28'33"W along the South line of said plat of STANTON RIDGE, for a distance of 847.83 feet to the Southwest corner of said plat of STANTON RIDGE and the West line of the Northeast 1/4 of the Southeast 1/4 of said Section 36; thence S02°24'31"E along said West line, 893.64 feet to the Northwest corner of the South 1/2 of the Southeast 1/4 of the Northeast 1/4 of the Southeast 1/4 of said Section 36; thence S89°29'29"W along the North line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 665.02 feet to the Northwest corner of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'26"E along the West line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 298.07 feet to the North line of the South 1/2 acre of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said West line run N89°30'13"E along said North line, 12.01 feet to the East line of the Western 12.00 feet of said South 1/2 acre of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said North line run S02°44'26"E along said East line, 32.82 feet to the South line of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said East line run S89°30'13"W along said South line, 12.01 feet to the Southwest corner of said Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02°44'26"E along the West line of the Northeast 1/4 of the Southeast 1/4 of said Section 36, for a distance of 651.78 feet to the North line of lands described in Official Records Book 4173, Page 4995, of the Public Records of Orange County, Florida; thence departing said West line run N89°31'43"E along said North line and the North line of lands described in Official Records Book 4184, Page 3110, of the Public Records of Orange County, Florida, for a distance 852.15 feet to the West line of the Southeast 1/4 of the Southeast 1/4 of said Section 36; thence departing said North line run S02°24'31"E along said West line, 841.99 feet to the North line of lands described in Official Records Book 2987, Page 1787, of the Public Records of Orange County, Florida; thence departing said West line run N89°37'13"E along said North line and the North line of lands described in Official Records Book 9852, Page 5231, of the Public Records of Orange County, Florida, 92.03 feet; thence S78°32'30"E along said North line of lands described in Official Records Book 9852, Page 5231, for a distance of 41.61 feet to the North right-of-way line of Fudge Road, platted as Lake Street, according to the aforesaid plat of MAP OF PLYMOUTH; thence departing said North line run N89°37'13"E along said North right-of-way line, 592.78 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9852, Page 8078, of the Public Records of Orange County, Florida; thence departing said North right-of-way line run N79°37'31"E along said Westerly limited access right-of-way line, 200.23 feet; thence N36°40'34"E along said Westerly limited access right-of-way line, 78.30 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9984, Page 2831, of the Public Records of Orange County, Florida; thence N02°19'28"W along said Westerly limited access right-of-way line, 545.26 feet to the Northwest corner of Lot 8, Block P, according to said plat of MAP OF PLYMOUTH, and the South line of lands described in Official Records Document Number 20180621287, of the Public Records of Orange County, Florida; thence departing said Westerly limited access right-of-way line, run S89°31'58"W along said South line, 882.00 feet to the Southwest corner of said lands described in Official Records Document Number 20180621287; thence N02°26'48"W along the West line of said lands described in Official Records Document Number 20180621287, for a distance 40.03 feet to the Northwest corner of said lands described in Official Records Document Number 20180621287; thence N89°31'58"E along the North line of said lands described in Official Records Document Number 20180621287, for a distance of 859.73 feet to the Southwest corner of Lot 1, Block P, according to said plat of MAP OF PLYMOUTH and the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10808, Page 4322, of the Public Records of Orange County, Florida; thence departing said North line run N02°20'29"W along said Westerly limited access right-of-way line, 642.86 feet; thence N89°25'17"E along said Westerly limited access right-of-way line, 54.79 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10784, Page 480, of the Public Records of Orange County, Florida and a non-tangent curve concave Westerly having a radius of 11294.16 feet and a chord bearing of N02°02'28"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 02°01'48" for a distance of 400.15 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10705, Page 4582, of the Public Records of Orange County, Florida and as described in Official Records Book 10705, Page 8080, of the Public Records of Orange County, Florida and a non-tangent line; thence S89°23'12"W along said Westerly limited access right-of-way line, 125.14 feet to a non-tangent curve concave Westerly having a radius of 11168.15 feet and a chord bearing of N04°40'48"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 03°11'36" for a distance of 622.17 feet to a non-tangent line; thence N37°22'01"E along said Westerly limited access right-of-way line, 182.75 feet; thence N00°27'45"W along said Westerly limited access right-of-way line, 24.71 feet to the Southeast corner of the aforesaid plat of STANTON RIDGE; thence departing said Westerly limited access right-of-way line run the following courses and distances along the aforesaid South line of the plat of STANTON RIDGE: S89°31'58"W, 48.82 feet; N32°38'28"W, 78.53 feet; N00°31'22"W, 85.34 feet to the POINT OF BEGINNING. This description is based on Florida State Plane Coordinate System East Zone, scale factor of 0.99997293, NAD 83 Datum (2011 adjustment) and all distances are grid dimensions.

Containing 73.831 acres more or less when calculated in ground dimensions.

Being subject to any rights-of-way, restrictions, conditions and easements of record.

GENERAL NOTES:

1. THIS IS NOT A SURVEY AND IS SHOWN FOR GENERAL INFORMATION ONLY. FOR ADDITIONAL INFORMATION SEE THE BOUNDARY AND TOPOGRAPHIC SURVEY, PREPARED BY D.W.M.A., PROVIDED UNDER SEPARATE COVER WITH THIS SUBMITTAL PACKAGE.
2. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.

NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	OK
1	2/1/21	WORKED PER CITY COMMENTS	

JAMES C. KNIGHT
FLORIDA P.E. No. 57563
DATE:

ENGINEERS
PLANNERS
SURVEYORS

McINTOSH ASSOCIATES
an LA company
1520 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FL 32810 407.644.4068

SCALE:	JOB NUMBER:
1"=150'	18181

DATE: 10/29/20

DRAWN BY: MSB | DESIGNED BY: MSB | CHECKED BY: JCT

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA

BOUNDARY AND LEGAL DESCRIPTION

DRAWING SHEET 2 OF 16

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NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	CHK
2	3/20/20	REVISIONS PER JAMES MARSH & KAY BOARDMAN AND TRACT H	
1	2/1/20	REVISED FOR CITY COMMENTS	

JAMES C. NUGENT
FLORIDA P.E. No. 57503
DATE:

McINTOSH ASSOCIATES
an LA company
ENGINEERS PLANNERS SURVEYORS
1520 EDGEWATER DRIVE, SUITE 600
ORLANDO, FLORIDA 32804 (407) 644-1546

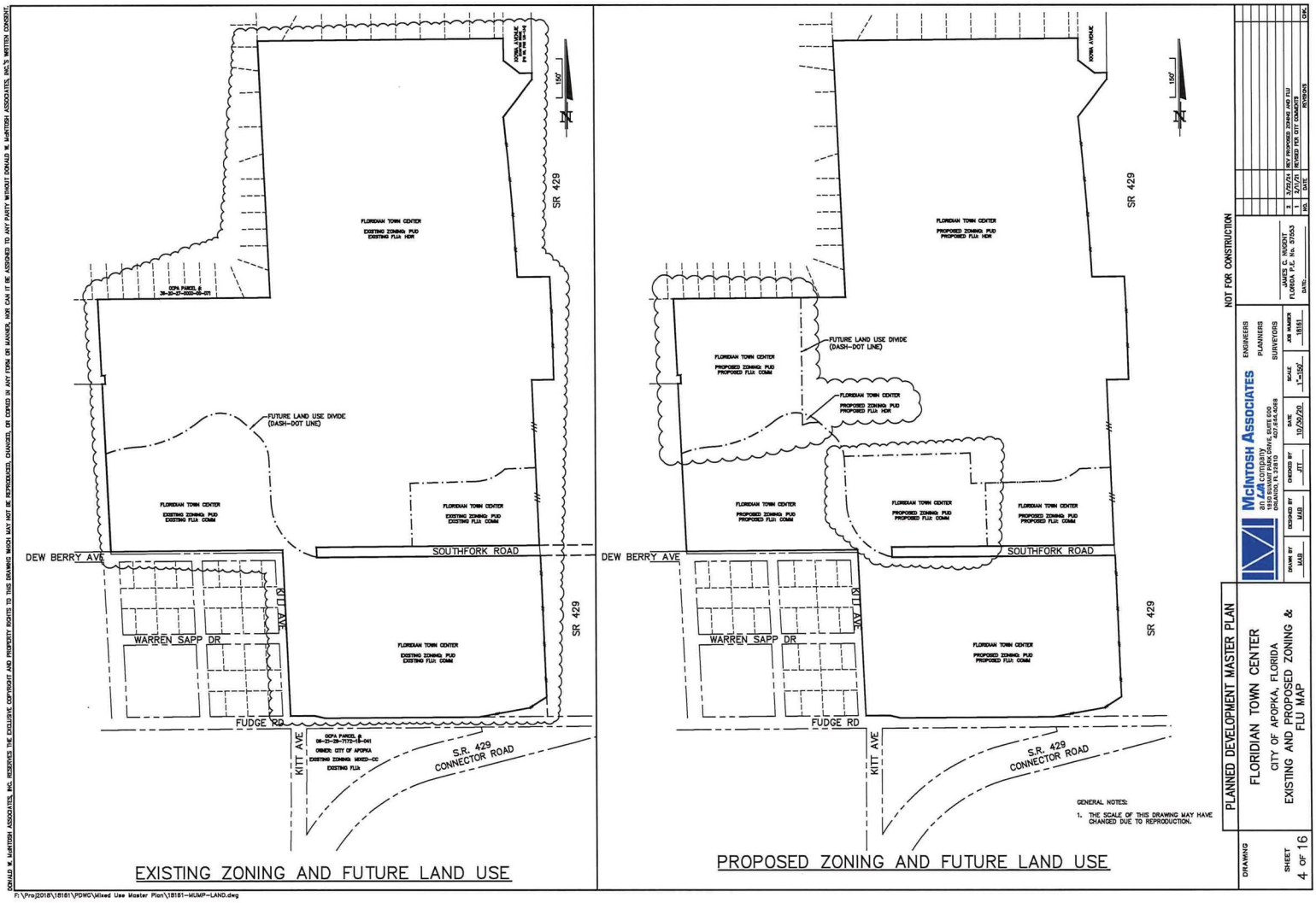
DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
MAB	MAB	JTL	10/29/19	1"=150'	18181

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
AERIAL, EXISTING SOILS & FLUCCS

DRAWING

SHEET 3 OF 16



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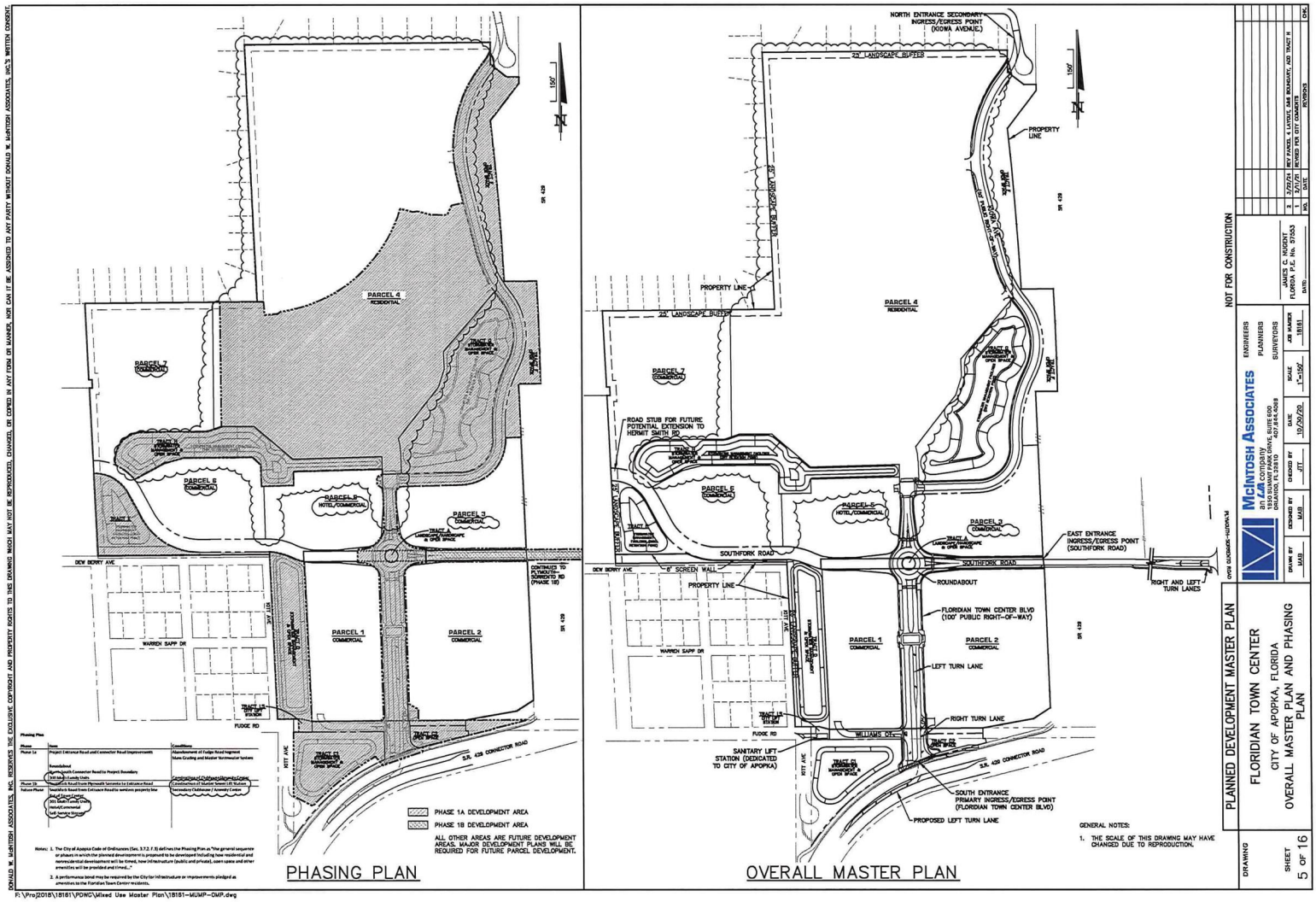

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PARCEL AND TRACT DESCRIPTION

NAMES	DESCRIPTION	AREA (AC)	OWNERSHIP/MAINTENANCE
PARCELS			
1	COMMERCIAL	4.00	DEVELOPER
2	COMMERCIAL	6.63	DEVELOPER
3	COMMERCIAL	3.12	DEVELOPER
4	RESIDENTIAL	30.76	DEVELOPER
5	HOTEL/COMMERCIAL	2.91	DEVELOPER
6	COMMERCIAL	3.03	DEVELOPER
7	COMMERCIAL	5.85	DEVELOPER
TRACTS			
A	LANDSCAPE/HARDSCAPE & OPEN SPACE	0.05	PROPERTY OWNERS ASSOCIATION
B	OPEN SPACE	0.10	PROPERTY OWNERS ASSOCIATION
C1	STORMWATER MANAGEMENT & OPEN SPACE	1.84	CITY OWNED/POA MAINTAINED
C2	OPEN SPACE	0.33	CITY OWNED/POA MAINTAINED
D	STORMWATER MANAGEMENT & OPEN SPACE	1.96	PROPERTY OWNERS ASSOCIATION
E	STORMWATER MANAGEMENT & OPEN SPACE	1.40	PROPERTY OWNERS ASSOCIATION
F	OPEN SPACE	2.49	PROPERTY OWNERS ASSOCIATION
G	STORMWATER MANAGEMENT & OPEN SPACE	3.89	PROPERTY OWNERS ASSOCIATION
H	STORMWATER MANAGEMENT & OPEN SPACE	2.40	PROPERTY OWNERS ASSOCIATION
LS	SANITARY LIFT STATION	0.08	CITY OF APOPKA
R/W	PUBLIC RIGHT-OF-WAY	6.79	CITY OF APOPKA

PD Program Allocations

Development Parcel	PUD Parcel Acreage	Use	Allocation of PD Program	Net Parcel Density/Intensity[1]
Commercial FLU				
1	4.00 acres	Commercial/Retail/Office	25,235 sq ft	0.14 FAR
2	6.63 acres	Commercial/Retail/Office	67,500 sq ft	0.23 FAR
3	3.12 acres	Commercial/Retail/Office	32,000 sq ft	0.24 FAR
5	2.91 acres	Commercial/Retail/Hotel	72,000 du	0.57 FAR
6	3.03 acres	Commercial/Retail/Office	62,000 sq ft	0.47 FAR
7	5.85 acres	Commercial/Retail/Office	110,000 sq ft	0.43 FAR
Total Program Allocated in Commercial FLU			368,735 sq ft	0.25 FAR
HDR FLU				
4	30.76 acres	Multi-Family	601 du	19.5 du/acre
Total Program Allocated in HDR FLU			601 du 30,050 sq ft	15.0 du/acre 0.01 FAR

Notes: 1. Development parcels exclude some open space tracts, some stormwater pond tracts, and public ROWs; therefore, parcel densities shown are based on program allocations to the net parcel acreages. Overall project densities are maintained per maximum FLU densities and intensities.

Max PD Program

FLU	Max Densities/ Intensities	Max PD Program Per FLU
Commercial 33.84 acres gross	0.25 FAR	368,517 sq ft
HDR 40.09 acres gross	15 du/acre 50 sq ft per unit	601 units 30,050 sq ft[1]

Notes: 1. The Apopka Comprehensive Plan Future Land Use Policy 3.1.h allows for 50 sq ft of commercial uses per unit within HDR.

Multifamily Unit Breakdown

Unit Type	Minimum Square Footage	Phase 1 Proposed Mix Total Units[1]	% of Units
Studio/1 Bedroom	750 sq ft	150	25%
2 Bedrooms	1,000 sq ft	120	20%
3 Bedrooms	1,300 sq ft	30	5%

Notes: 1. The unit type breakdown is conceptual and may vary at MDP.

Preliminary Phase Program Breakdown

Parcel	Phase 1	Future Phase
1	0 sq ft	25,235 sq ft
2	0 sq ft	67,500 sq ft
3	0 sq ft	32,000 sq ft
4	312 du[1]	289 du[1]
5	0 sq ft	72,000 sq ft
6	0 sq ft	62,000 sq ft
7	0 sq ft	110,000 sq ft

1. The phase subtotals for residential units may fluctuate up to 5% so long as the total unit count for Parcel 4 does not exceed 601 units

Development Standards

Standard	Parcel 1	2	3	4	5	6	7
Lot Standards							
Min Lot Width	50'	50'	50'	75'	50'	50'	50'
Minimum Building Setbacks							
Front	10'	10'	10'	10'	10'	10'	10'
Side	10'	10'	10'	15'	10'	10'	10'
Street Side	10'	10'	10'	15'	10'	10'	10'
Rear	15'	15'	15'	15'	15'	15'	15'
From Single Family Lot Line	60'	n/a	n/a	25'	n/a	60'	50'
Minimum Parking Setback							
From Single Family Lot Line	25'	n/a	n/a	25'	n/a	25'	25'
Minimum Building Separation (Residential)	n/a	n/a	n/a	20'	n/a	n/a	n/a
Building Height							
Max Height	35'	35'	75'	50'	75'	35'	50'
Max Stories	3	3	6	4	6	2	4
Minimum Living Area[1]	n/a	n/a	n/a	750'	n/a	n/a	n/a
Minimum Parking	2.75 space/ksf of commercial on average			1.45 spaces per unit + 1 space per 10 units guest	2.0 space/ksf of hotel use 2.75 space/ksf of commercial on average		Per LDC

1. See detailed unit breakdown table for minimum living area by unit type.

Permitted Parcel Uses

Uses	Parcel 1	2	3	4	5	6	7
Multi-Family				Y			
Townhome							
Hotel			Y				
Commercial/Retail	Y	Y	Y		Y	Y	
Professional Office	Y	Y	Y		Y	Y	Y
Medical Office	Y	Y	Y		Y	Y	Y
Self-Service Storage[1]	Y	Y	Y				Y
Parks and Open Space[2]	Y	Y	Y	Y	Y	Y	Y
Indoor Recreation						Y	
Institutional/Civic					Y	Y	

Notes : 1. Only indoor, climate controlled self-service storage shall be permitted. No outdoor self-service storage will be permitted.
2. Parks may include passive or active recreational facilities such as playgrounds, dog parks, sport courts, etc.

PROHIBITED PD USES

A. ANY USE THAT EMITS AN OBNOXIOUS ODOR, OBNOXIOUS NOISE, OR OBNOXIOUS SOUND THAT CAN BE HEARD OR SMELLED OUTSIDE OF ANY BUILDING IN THE PROJECT.

B. AN OPERATION PRIMARILY USED AS WAREHOUSE OPERATION OR ANY ASSEMBLING, MANUFACTURING, DISTILLING, REFINING, SMELTING, AGRICULTURAL OR MINING OPERATION.

C. ANY SELF-SERVICE STORAGE FACILITIES THAT ARE NOT CLIMATE CONTROLLED.

D. ANY OUTDOOR STORAGE OF AUTOMOBILES, RECREATIONAL VEHICLES, OR BOATS.

E. ANY "SECOND HAND" STORE, ANY OPERATION SELLING "SURPLUS" OR "SALVAGE" GOODS, OR PAWN SHOP.

F. ANY MOBILE HOME PARK, TRAILER COURT, LABOR CAMP, JUNKYARD, OR STOCKYARD; BUT THIS PROHIBITION IS NOT APPLICABLE TO THE TEMPORARY USE OF CONSTRUCTION TRAILERS DURING PERIODS OF CONSTRUCTION, RECONSTRUCTION OR MAINTENANCE.

G. ANY DUMPING, DISPOSING, INCINERATION OR REDUCTION OF GARBAGE, BUT THIS PROHIBITION DOES NOT APPLY TO (i) GARBAGE COMPACTORS OR OTHER GARBAGE COLLECTION AREAS OR FACILITIES LOCATED NEAR THE REAR OF ANY BUILDING, OR (ii) RECYCLING CENTERS THAT MAY BE REQUIRED BY GOVERNMENTAL REQUIREMENTS.

H. ANY FIRE SALE, BANKRUPTCY SALE (UNLESS PURSUANT TO A COURT ORDER) OR AUCTION HOUSE OPERATION.

I. ANY CENTRAL LAUNDRY, DRY CLEANING PLANT, OR LAUNDROMAT, BUT THIS RESTRICTION IS NOT INTENDED TO PREVENT THE OPERATION OF AN ON-SITE SERVICE ORIENTED SOLELY TO PICKUP AND DELIVERY OF CLOTHING BY THE ULTIMATE CONSUMER, WITH NO WASHING OR PROCESSING FACILITIES WITHIN THE PROJECT, AS THE SAME MAY BE FOUND IN RETAIL SHOPPING CENTERS IN THE METROPOLITAN AREA WHERE THE PROJECT IS LOCATED.

J. ANY (i) AUTOMOBILE, TRUCK, TRAILER, OR RECREATIONAL VEHICLE SALES, LEASING, OR DISPLAY OPERATION, (ii) CAR WASH, OR (iii) BODY SHOP REPAIR OPERATION.

K. ANY BOWLING ALLEY OR SKATING RINK.

L. ANY MORTUARY OR FUNERAL HOME.

M. ANY ESTABLISHMENT SELLING OR EXHIBITING OBSCENE OR SEXUALLY EXPLICIT MATERIAL.

N. ANY ESTABLISHMENT SELLING OR EXHIBITING ILLICIT DRUGS OR RELATED PARAPHERNALIA.

O. A STRIP CLUB.

P. ANY MASSAGE PARLOR OR SIMILAR ESTABLISHMENT (BUT THE PROVISION OF THERAPEUTIC MESSAGES AS PART OF A FIRST-CLASS HEALTH OR BEAUTY SPA OPERATION OR BY PROFESSIONAL HEALTH CARE PROVIDERS IS PERMITTED).

Q. ANY FLEA MARKET, AMUSEMENT OR VIDEO ARCADE, POOL OR BILLIARD HALL, OR DANCE HALL.

R. ANY TRAINING OR EDUCATIONAL FACILITY, INCLUDING: BEAUTY SCHOOLS, BARBER COLLEGES, READING ROOMS, PLACES OF INSTRUCTION, OR OTHER OPERATIONS CATERING PRIMARILY TO STUDENTS OR TRAINEES RATHER THAN TO CUSTOMERS, BUT THIS PROHIBITION IS NOT APPLICABLE TO ON-SITE EMPLOYEE TRAINING BY AN OCCUPANT INCIDENTAL TO THE CONDUCT OF ITS BUSINESS AT THE PROJECT.

S. ANY GAMBLING FACILITY OR OPERATION, INCLUDING: OFF-TRACK OR SPORTS BETTING PARLOR; TABLE GAMES SUCH AS BLACKJACK OR POKER; SLOT MACHINES, VIDEO POKER/BLACKJACK/KENO MACHINES OR SIMILAR DEVICES; OR BINGO HALL.

STATEMENT OF PLANNING AND DEVELOPMENT GOALS

THE FLORIDIAN TOWN CENTER WILL, THROUGH THE APPLICATION OF THE PROPOSED PD, PERMIT A CONTINUUM OF INSTITUTIONAL, SHOPPING, DINING, LODGING, AND RESIDENTIAL USES WITHIN A HIGH QUALITY, WELL DESIGNED, AND COMPACT PROJECT. EVEN WHILE USING STANDARD LAND USE CATEGORIES, THE PD WILL ALLOW FOR EFFECTIVE ALLOCATION AND INTEGRATION OF USES, INCLUDING THE FLEXIBILITY OF MIXED-USE IN THE CORE OF THE SITE. THE PD IS ESPECIALLY POWERFUL IN ITS ABILITY TO BALANCE THE NEED FOR RESPONSIVENESS IN THE FACE OF RAPIDLY CHANGING MARKETS WITH THE RESPONSIBILITY OF PROVIDING QUALITY ASSURANCE TO THE CITY AND TO NEIGHBORS. THE PD ENSURES THAT SIGNIFICANT OPEN SPACE, AMENITIES, COMMUNITY FACILITIES, AND WAYFINDING ARE PROVIDED AND THAT PEDESTRIAN ACCESS AND COMFORT ARE PRINCIPLE CONCERNS. THE PD ALSO ENSURES THAT THE OPPORTUNITY POSED AT THIS KEY PROPERTY, AT THE CONFLUENCE OF SOME OF THE LARGEST AND MOST IMPORTANT TRANSPORTATION CORRIDORS IN THE REGION, IS NOT WASTED ON INCREMENTAL, PIECEMEAL SPRAWL, BUT MAXIMIZED AS A NEW TOWN CENTER FOR NORTHWEST APOPKA.

COMPENSATING COMMUNITY BENEFITS

COMPENSATING COMMUNITY BENEFITS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- IN AREAS WHERE UNDERGROUND UTILITIES WOULD HAVE PREVENTED THE PLACEMENT OF TRADITIONAL CANOPY STREET TREES, WE ARE TAKING EXTRA STEPS TO ESTABLISH A QUALITY DESIGN AESTHETIC AND A PLEASANT PEDESTRIAN ENVIRONMENT. ON KIOWA AVENUE WE ARE PROVIDING FOR LIVE OAKS OUTSIDE THE ROW AND UTILITY BUFFER THAT WILL COME TO PROVIDE SHADE TO THE SIDEWALK AND DISTINCTIVE CHARACTER TO THE CORRIDOR. ON SOUTHFORK AND FLORIDIAN TOWN CENTER BLVD, THOUGH SMALLER TREES ARE BEING USED IN THE RIGHT OF WAY, WE ARE NEARLY DOUBLING THE STREET TREE REQUIREMENT, IN ORDER TO ACHIEVE THE DESIRED PEDESTRIAN ENVIRONMENT.
- PROTECTION OF MANY EXISTING SPECIMEN TREES BY ALTERING THE LOCATION AND CONFIGURATION OF NUMEROUS STORMWATER PONDS, ROADS, BUFFERS, LANDSCAPED AREAS, AND OPEN SPACE.
- PROVIDING CENTRAL STORMWATER FACILITIES FOR BOTH THE DEVELOPMENT AND THE CITY ROW.
- PROVIDING SIGNIFICANTLY MORE THAN THE MINIMUM 30% OPEN SPACE REQUIREMENT FOR A PD, WHICH IN ITSELF, IS HIGHER THAN THE REQUIREMENTS OF THE CITY'S TRADITIONAL ZONING CATEGORIES.
- PROVIDING FOR CO-BRANDING OF SIGNS AND GATEWAYS FOR THE CITY AND THE DEVELOPMENT.
- PROVIDING FOR THE EXTENSION OF A NEW LOCAL COLLECTOR ROAD, WHICH WILL EVENTUALLY CONNECT TO YOTHERS ROAD.

GENERAL NOTE:

1. ALL NOTES AND DATA TABLES PROVIDED HEREON HAVE BEEN PROVIDED BY COMMUNITY SOLUTIONS GROUP, A GAI CONSULTANTS, INC. SERVICE GROUP

NOTES

COMMUNITY DESIGN

1. ALL VEHICLE PARKING LOTS AND STRUCTURES CONTAINING MORE THAN 50 PARKING SPACES SHALL PROVIDE CLEARLY IDENTIFIED PEDESTRIAN ROUTES BETWEEN PARKING AREAS AND A PRIMARY PEDESTRIAN ENTRANCE(S) TO THE BUILDING(S) SERVED BY THE PARKING AREA.
2. EACH MULTI-FAMILY BUILDING SHALL HAVE ACCESS TO A SIDEWALK THAT CONNECTS TO THE PROJECT PEDESTRIAN NETWORK.
3. THE MULTI-FAMILY DEVELOPMENT SHALL HAVE SIDEWALK CONNECTIONS TO THE TOWN CENTER.
4. WHERE A SIDEWALK OR OTHER WALKWAY CROSSES A STREET, DRIVEWAY, DRIVE AISLE, OR PARKING LOT, THE CROSSING SHALL BE CLEARLY MARKED WITH A CHANGE IN PAVING MATERIAL, COLOR, OR HEIGHT, OR DECORATIVE BOLLARDS.

BUILDING DESIGN AND ARCHITECTURE

1. BUILDING FACADES SHALL NOT EXCEED 60 FEET ALONG A STREET FRONTAGE WITHOUT PROVIDING A SUBSTANTIAL VOLUME BREAK SUCH AS A VOLUME RECESS, A TOWER OR BAY, OR AN ARCHITECTURALLY PROMINENT PUBLIC ENTRANCE THE RECESSES AND PROJECTIONS SHALL HAVE A MINIMUM DEPTH OF THREE FEET.
2. IF A FLAT ROOF IS PROPOSED, PARAPET WALLS WITH THREE-DIMENSIONAL CORNICE TREATMENTS SHALL CONCEAL THE ROOF. THE CORNICE SHALL INCLUDE A PERPENDICULAR PROJECTION OF A MINIMUM OF EIGHT (8) INCHES FROM THE PARAPET FACADE PLANE.
3. ALL PRIMARY PEDESTRIAN ENTRANCES INTO PRINCIPAL BUILDINGS SHALL BE CLEARLY DEFINED AND EMPHASIZED USING CHANGES IN THE WALL PLANE OR FACADE MATERIAL, PILASTERS, AWNINGS, CANOPIES, PORCHES, OR OTHER ARCHITECTURAL ELEMENTS. WHERE THE FACADE OF A PRINCIPAL BUILDING ABUTS OR FACES A STREET, AT LEAST ONE OPERABLE PEDESTRIAN ENTRANCE PROVIDING BOTH INGRESS AND EGRESS SHALL BE PROVIDED. IF THE FACADE INCLUDES MULTIPLE TENANT SPACES, AT LEAST ONE SUCH ENTRANCE SHALL BE PROVIDED FOR EACH STREET-LEVEL TENANT SPACE. THESE REQUIRED PEDESTRIAN ENTRANCES SHALL OPEN DIRECTLY TO THE STREET SIDEWALK WITHOUT REQUIRING PEDESTRIANS TO PASS THROUGH A GARAGE, PARKING LOT, OR OTHER NON-PEDESTRIAN AREA LOCATED BETWEEN THE ENTRANCE AND THE STREET.
4. FACADES SHALL NOT EXCEED 20 HORIZONTAL FEET AND TEN VERTICAL FEET WITHOUT INCLUDING AT LEAST ONE OF THE FOLLOWING ELEMENTS:(CANOPIES, RECESSES, ARCADES, RAISED PARAPETS, ROOF FORMS, ADJACENT DISPLAY WINDOWS) TO ESTABLISH CLEARLY DEFINED, HIGHLY VISIBLE, PRIMARY BUILDING ENTRANCES. BUILDING FACADES ALONG PUBLIC STREETS SHALL MAINTAIN A PEDESTRIAN SCALE AND INTEGRATE THE PUBLIC AND PRIVATE SPACES USING ARCHITECTURAL ELEMENTS.
5. ANY AC OR MECHANICAL UNITS LOCATED ON THE ROOF SHALL BE SCREENED FROM VIEW.
6. THE MULTI-FAMILY DEVELOPMENT WILL BE GATED.

MULTI-FAMILY AMENITIES

1. ONE COMMUNITY CLUBHOUSE AND POOL WILL BE PROVIDED IN THE FIRST PHASE OF MULTI-FAMILY DEVELOPMENT.
2. THE COMMUNITY CLUBHOUSE SHALL BE EQUIPPED WITH RESTROOMS, KITCHEN AREA, WORKOUT ROOM, AND MEETING AREA.
3. ACCESS TO THE COMMUNITY CLUBHOUSE SHALL BE RESTRICTED TO THE MULTI-FAMILY RESIDENTS AND THEIR GUESTS.
4. THE COMMUNITY CLUBHOUSE SHALL BE DESIGNED TO ACCOMMODATE PERSONS WITH DISABILITIES AS REQUIRED BY FLORIDA BUILDING CODE AND ADA, CURRENT ENFORCED EDITIONS.
5. THE ARCHITECTURAL DESIGN OF THE COMMUNITY CLUBHOUSE SHALL BE COMPLIMENTARY TO THE DESIGN OF THE MULTI-FAMILY BUILDINGS.

PARKING

1. PARKING RATIOS ARE PROVIDED ON SHEET 6.
2. COMPACT SPACES ALLOWED IN COMMERCIAL, UP TO 25% MAXIMUM.
3. REQUEST A WAIVER TO CITY LDC SECTION 5.11.1.(2) REQUIREMENT FOR WHEEL STOPS. DEVELOPMENT WILL UTILIZE RAISED CURBS IN LIEU OF WHEEL STOPS. ADDITIONAL DESIGN ALLOWANCE WILL PROVIDE FOR 2' VEHICLE OVERHANG BY EXPANDING CONCRETE SIDEWALKS AND/OR LANDSCAPE AREAS ADJACENT TO PARKING STALLS.

LANDSCAPE & BUFFERS

1. ALL LANDSCAPE DESIGNS WILL ABIDE BY THE CITY OF APOPKA LAND DEVELOPMENT CODE WITH THE EXCEPTIONS LISTED IN THIS SECTION BELOW.
2. THE CITY OF APOPKA LDC APPENDIX D SECTION 4.5 - LANDSCAPING AND BUFFERS REQUIRES STREET TREES TO BE PROVIDED 50' APART AND "CLOSE TO THE CURB". THIS IS IN CONFLICT WITH PUBLIC WORKS AND ENGINEERING REQUIREMENTS TO PROTECT SIDEWALKS AND UNDERGROUND UTILITIES INCLUDING WATER, RECLAIMED, STORMWATER, AND SANITARY SEWER. WE ARE ADDRESSING THIS CONFLICT IN THE FOLLOWING WAYS, DEPENDING ON CONTEXT:

   ON KIOWA AVE - WE ARE PROVIDING THE SAME OR SIMILAR REQUIRED NUMBER OF STREET TREES OUTSIDE BUT ADJACENT TO THE ROW, SEPARATED FROM UTILITIES BY 10'.

   ON SOUTHFORK (EAST OF THE ROUNDABOUT) - DUE TO THE EXPRESSWAY OVERPASS AND NARROW CORRIDORS FOR UNDERGROUND UTILITIES, UNDERSTORY STREET TREES ARE PROVIDED IN PLACE OF CANOPY TREES "CLOSE TO THE CURB". WE HAVE DOUBLED THE NUMBER OF UNDERSTORY TREES TO PROVIDE ADDITIONAL CANOPY AND SHADE.

   ON FLORIDIAN TOWN CENTER BLVD - DUE TO UNDERGROUND UTILITIES, UNDERSTORY TREES ARE PROVIDED IN "CLOSE TO THE CURB". LIVE OAKS ARE PROVIDED IN THE CENTRAL MEDIAN, AWAY FROM UTILITIES TO INCREASE THE MASS OF TREES AND CANOPY.
3. LANDSCAPE BUFFER PLANTINGS TO BE PROVIDED PER CITY OF APOPKA LDC.
4. THIS PROJECT WILL ABIDE BY ALL RELEVANT TREE PROTECTION STANDARDS PER THE CITY OF APOPKA LAND DEVELOPMENT CODE.
5. NATIVE VEGETATION AROUND THE PERIMETER OF THE SITE WILL BE PRESERVED TO THE GREATEST EXTENT POSSIBLE.

FIRE DEPARTMENT

1. ADEQUATE STABILIZED ACCESS AND FIRE HYDRANTS SHALL BE IN PLACE WITHIN 500' OF ANY STRUCTURE PRIOR TO VERTICAL CONSTRUCTION.
2. FIRE HYDRANTS MUST BE WITHIN 500 FEET OF EACH RESIDENTIAL UNIT.
3. FIRE HYDRANTS SHALL BE MARKED WITH A BLUE ROAD REFLECTOR.
4. ALL MULTI-FAMILY RESIDENTIAL MUST BE EQUIPPED WITH FIRE SPRINKLER SYSTEMS AND FIRE ALARMS MEETING FLORIDA FIRE PREVENTION CODE.
5. FIRE DEPARTMENT CONNECTIONS (FDC) FOR SPRINKLER SYSTEMS MUST BE REMOTE FROM THE BUILDINGS WITH FIRE LANES.
6. IF THE MULTI-FAMILY DEVELOPMENT IS GATED, THE GATE SHALL BE EQUIPPED WITH AN OPTI-COM TYPE SIGNALING DEVICE THAT IS COMPATIBLE WITH CITY OF APOPKA EMERGENCY VEHICLES. IT MUST ALSO BE EQUIPPED WITH A KEY SWITCH ACTIVATION AND GATE CODE REQUESTED BY THE FIRE DEPARTMENT.

PUBLIC SERVICES

1. ROADS, DRIVEWAYS, AND ROUNDABOUTS SHALL FOLLOW CITY STANDARDS AND SPECIFICATIONS.
2. UTILITIES SHALL BE COORDINATED WITH AND PROVIDED BY THE CITY OF APOPKA.
3. SANITATION SERVICES SHALL BE COORDINATED WITH AND PROVIDED BY THE CITY OF APOPKA.
4. SANITATION SERVICE SHALL BE VIA ROLL-OFF BINS LOCATED WITHIN AN ENCLOSED COMPACTOR BAY ON EACH SITE.
5. LANDSCAPE AND IRRIGATION DESIGN SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA ORDINANCE 2003, ADOPTED MAY 21, 2008, WHICH ESTABLISHES WATERWISE LANDSCAPE AND IRRIGATION STANDARDS.

PROJECT ROADS

1. PROJECT ROADS, INCLUDING KIOWA AVENUE, SOUTHFORK ROAD, WILLIAMS COURT, AND FLORIDIAN TOWN CENTER BOULEVARD WILL BE OWNED BY THE CITY AND MAINTAINED ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTAINED AGREEMENT(S).
2. MAINTENANCE FOR ALL LANDSCAPED MEDIANS AND STREET TREES SHALL BE THE RESPONSIBILITY OF THE MASTER ASSOCIATION, ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTENANCE AGREEMENTS.
3. ROUNDABOUT PAVEMENT WILL BE MAINTAINED BY THE CITY AS PART OF THE CITY-MAINTAINED ROW. LANDSCAPE AND HARDSCAPE COMPONENTS INTERIOR TO THE ROUNDABOUT PAVEMENT WILL BE MAINTAINED BY THE MASTER ASSOCIATION ACCORDING TO THE CONDITIONS OF THE DEVELOPMENT AGREEMENT AND ANY SUBSEQUENT MAINTENANCE AGREEMENT.

SIGNAGE

1. A SIGN PLAN IS PROVIDED ON SHEET 5-1. THIS PLAN ADDRESSES THE DIMENSIONS AND LOCATIONS OF THE PROJECT'S OVERALL WAYFINDING PER SECTION 5.10 / B. OF THE LAND DEVELOPMENT CODE BUT DOES NOT ADDRESS ON-SITE SIGNAGE AND BUILDING SIGNAGE.
2. ALL BUILDING AND SITE SIGNAGE SHALL BE IN ACCORDANCE WITH SECTION 5.10, CITY OF APOPKA LAND DEVELOPMENT CODE
3. THE DESIGNS ILLUSTRATED IN THE SIGN PLAN ARE CONCEPTUAL AND THE MATERIALS, COLORS, AND DESIGNS MAY CHANGE SLIGHTLY AT PERMITTING.

ADDITIONAL NOTES

1. ALL RESIDENTIAL UNITS SHALL COMPLY WITH THE FAIR HOUSING ACT ACCESSIBILITY STANDARDS.
2. ALL RESIDENTIAL UNITS SHALL HAVE LAUNDRY FACILITIES LOCATED WITHIN THE LIVABLE AREA.
3. BICYCLE RACKS SHALL BE PROVIDED AT THE COMMUNITY CLUBHOUSE AND PARK AREAS.
4. DEVELOPMENT WITHIN THE PUD SHALL BE SUBJECT TO MAJOR DEVELOPMENT PLAN APPROVAL.
5. OFF-SITE SIGNAGE SHALL BE SUBJECT TO THE PROPER EASEMENTS.
6. FINAL PLAT SHALL BE RECORDED PRIOR TO FIRST CO.
7. LIGHTING REQUIREMENTS MUST MEET ALL CITY OF APOPKA AND THE ELECTRIC PROVIDER'S REGULATIONS AT THE TIME OF ANY CONSTRUCTION PLAN SUBMITTAL AND ANY SUBSEQUENT APPROVALS

NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
7	5/13/21	PARCEL PERMITTED USE TABLE & REVISED YMCA NOTE
6	4/1/21	UPDATED PARCEL DESCRIPTIONS IN TABLE
5	3/22/21	UPDATED NOTES
4	2/22/21	UPDATED NOTES
3	2/22/21	REVISED PERMITTED AND PROHIBITED USE DATA
2	2/17/21	REVISED PER CITY COMMENTS
1	1/11/21	REVISED PER CITY COMMENTS

CPC

JAMES C. RUDDT
FLORIDA P.E. No. 67063
DATE:

McINTOSH ASSOCIATES
an AA company
ENGINEERS PLANNERS SURVEYORS
1950 SUMMIT PARK DRIVE, SUITE 600
ORLANDO, FLORIDA 32810

JOB NUMBER: 18181
SCALE: NTS
DATE: 10/20/20
DRAWN BY: MAB
CHECKED BY: JRT

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
DEVELOPMENT NOTES, DATA TABLES AND TYPICAL ROAD SECTIONS

DRAWING SHEET 6 OF 16

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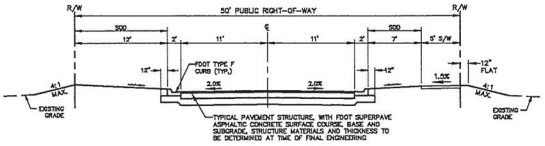
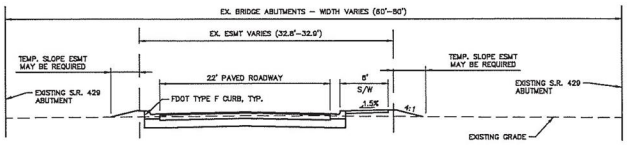
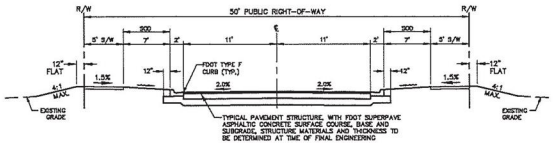


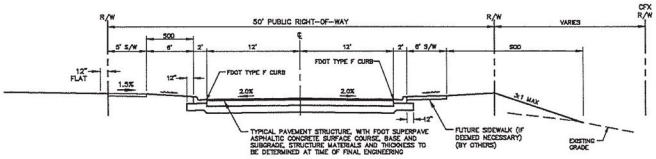
SOUTHFORK ROAD SECTION
FROM SR 429 UNDERPASS TO PLYMOUTH-SURRENTO RD
NTS



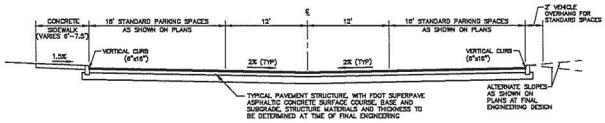
SOUTHFORK ROAD SECTION
THROUGH SR 429 UNDERPASS
NTS



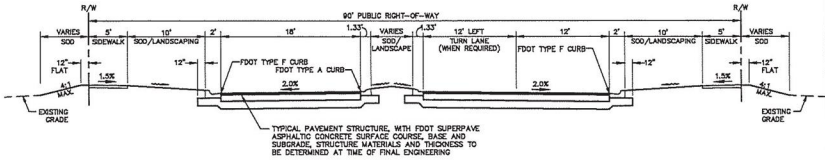
SOUTHFORK ROAD SECTION
WEST OF S.R. 429
NTS



KIOWA AVENUE SECTION
NTS



TYPICAL PARKING AISLE SECTION
NTS



CROWNED ENTRANCE ROAD SECTION
NTS

NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NO. 69

JAMES C. HUDONT
FLORIDA P.E. No. 57553
DATE:

NO.	DATE	REVISIONS	CHK
3	7/7/21	REVISED PER CITY COMMENTS	
2	3/1/21	REVISED PER CITY COMMENTS	
1	2/1/21	REVISED PER CITY COMMENTS	

JOB NUMBER 18161
SCALE NTS
DATE 10/29/20
CHECKED BY JCT
DESIGNED BY MJB
DRAWN BY MJB

PLANNED DEVELOPMENT MASTER PLAN

FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
DEVELOPMENT NOTES, DATA TABLES AND TYPICAL ROAD SECTIONS

DRAWING 18161-MAPP-NOTE

SHEET 6A OF 16

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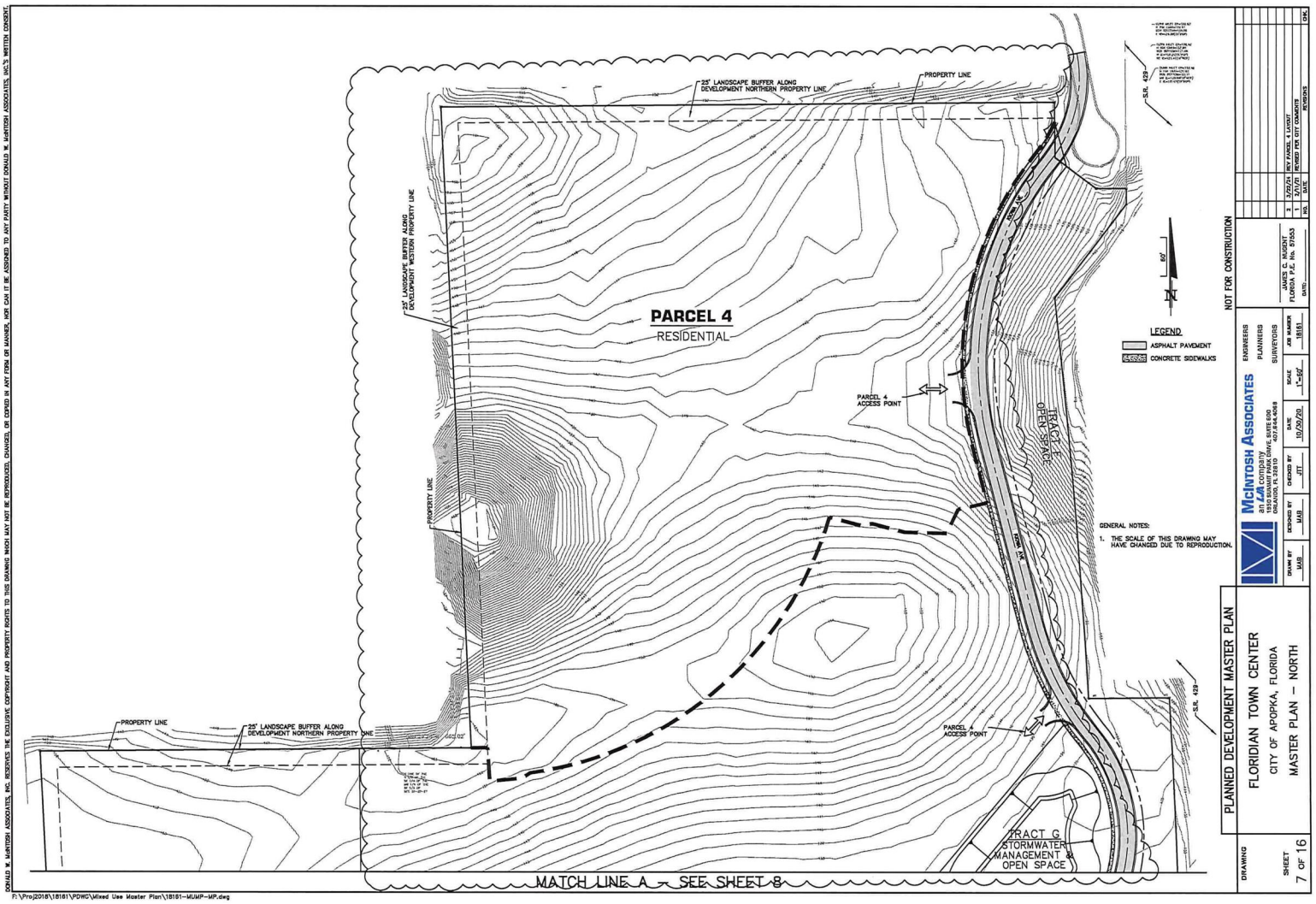
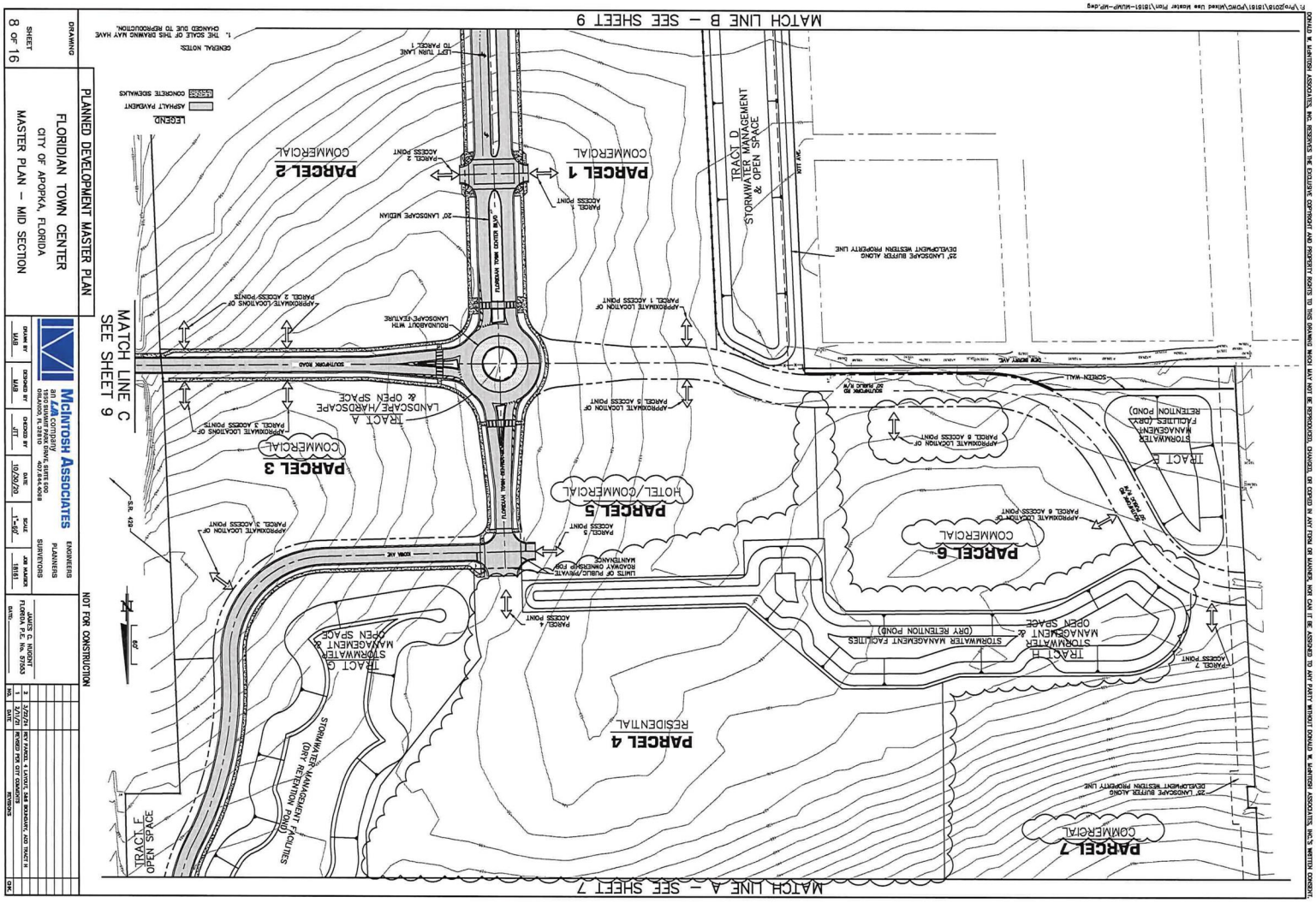


25' LANDSCAPE BUFFER ALONG DEVELOPMENT NORTHERN PROPERTY LINE
PROPERTY LINE
25' LANDSCAPE BUFFER ALONG DEVELOPMENT WESTERN PROPERTY LINE
PARCEL 4
RESIDENTIAL
PARCEL 4 ACCESS POINT
TRACT E OPEN SPACE
TRACT G STORMWATER MANAGEMENT & OPEN SPACE
S.R. 429
MATCH LINE A – SEE SHEET 8
LEGEND
ASPHALT PAVEMENT
CONCRETE SIDEWALKS
GENERAL NOTES:
1. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.
NOT FOR CONSTRUCTION
McINTOSH ASSOCIATES
an LA company
1510 SUNAMI PARK DRIVE, SUITE 600
ORLANDO, FL 32810
407.644.4068
ENGINEERS
PLANNERS
SURVEYORS
JAMES C. NUGENT
FLORIDA P.E. No. 57553
DATE:
DRAWN BY MAB
DESIGNED BY MAB
CHECKED BY JTT
DATE 10/30/20
SCALE 1"=60'
JOB NUMBER 18161
PLANNED DEVELOPMENT MASTER PLAN
FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
MASTER PLAN – NORTH
DRAWING
SHEET 7 OF 16
REVISIONS



MATCH LINE B – SEE SHEET 9
MATCH LINE A – SEE SHEET 7
MATCH LINE C
SEE SHEET 9
PLANNED DEVELOPMENT MASTER PLAN
FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
MASTER PLAN – MID SECTION
DRAWING
SHEET
8 OF 16
McINTOSH ASSOCIATES
ENGINEERS
PLANNERS
SURVEYORS
NOT FOR CONSTRUCTION
PARCEL 1
COMMERCIAL
PARCEL 2
COMMERCIAL
PARCEL 3
COMMERCIAL
PARCEL 4
RESIDENTIAL
PARCEL 5
HOTEL/COMMERCIAL
PARCEL 6
COMMERCIAL
PARCEL 7
COMMERCIAL
TRACT A
LANDSCAPE/HARDSCAPE & OPEN SPACE
TRACT D
STORMWATER MANAGEMENT & OPEN SPACE
TRACT E
STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND)
TRACT F
OPEN SPACE
TRACT G
STORMWATER MANAGEMENT & OPEN SPACE
TRACT H
STORMWATER MANAGEMENT & OPEN SPACE
STORMWATER MANAGEMENT FACILITIES (DRY RETENTION POND)
LEGEND
ASPHALT PAVEMENT
CONCRETE SIDEWALKS
GENERAL NOTES:
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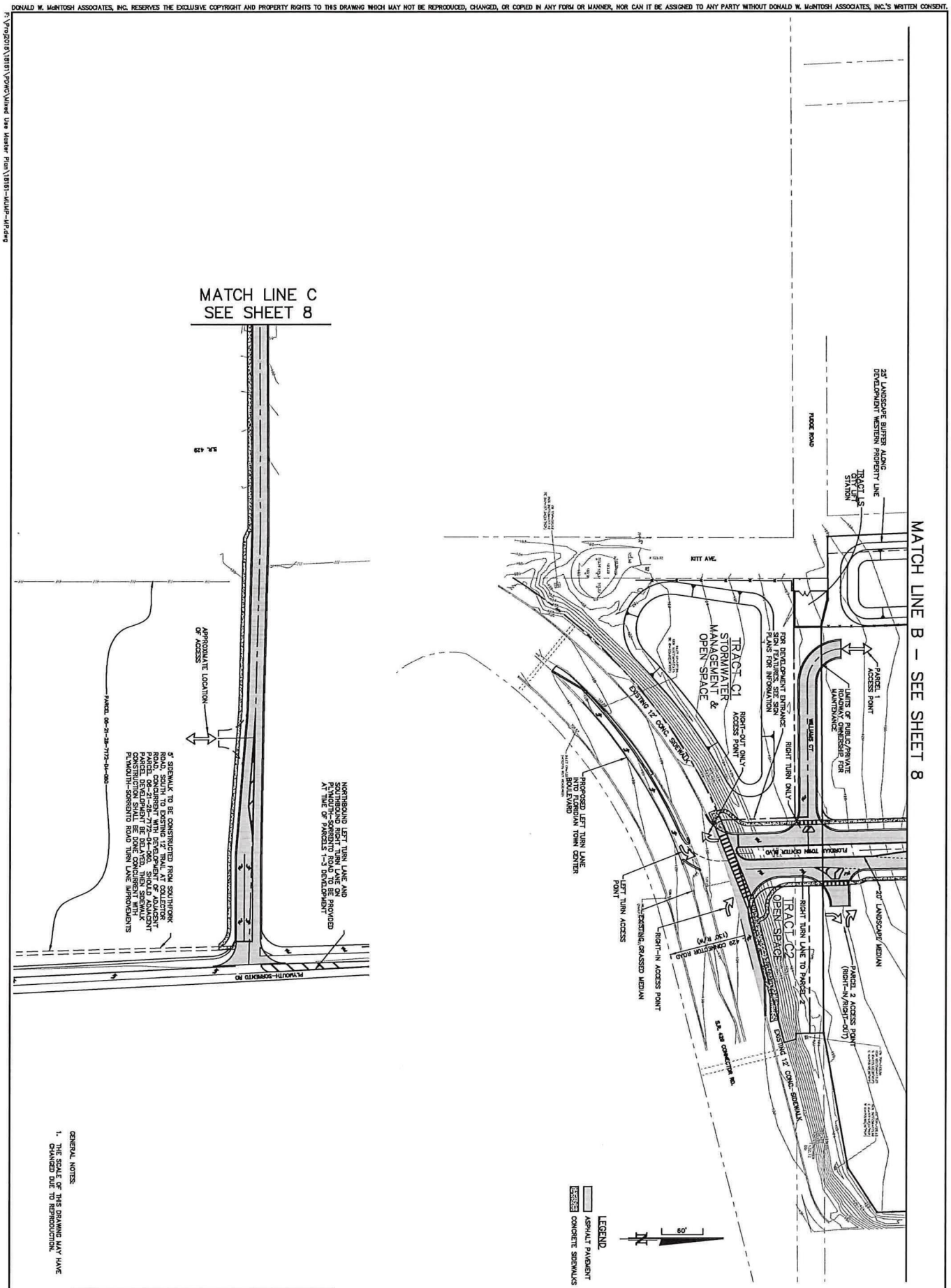

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PLANNED DEVELOPMENT MASTER PLAN

DRAWING

FLORIDIAN TOWN CENTER
CITY OF APOPKA, FLORIDA
MASTER PLAN – SOUTH & SOUTHFORK ROAD IMPROVEMENTS

SHEET 9 OF 16

McINTOSH ASSOCIATES
an LA company
1950 SUMMIT PARK DRIVE, SUITE 500
ORLANDO, FL 32810 407.644.4068
ENGINEERS
PLANNERS
SURVEYORS

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	JOB NUMBER
MAB	MAB	JTT	10/30/20	1"=60'	18181

JAMES C. NUGENT
FLORIDA P.E. No. 57553
DATE: _____

NO.	DATE	REVISIONS
1	2/11/21	REVISED PER CITY COMMENTS

THIS DOCUMENT PREPARED BY
AND RETURN TO:

Ryan P. Finnegan, Esq.
The Collier Companies
220 N. Main Street
Gainesville, FL 32601

DOC# 20220485341
08/09/2022 07:57:40 AM Page 1 of 25
Rec Fee: $214.00
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

MASTER DEVELOPMENT AGREEMENT
(FLORIDIAN TOWN CENTER)

This **MASTER DEVELOPMENT AGREEMENT (FLORIDIAN TOWN CENTER)** ("**Agreement**") is made and entered into this 25th day of August, 2021 ("**Effective Date**"), by and between City of Apopka, a Florida municipal corporation, whose mailing is 120 East Main Street, Apopka, Florida 32703 ("**City**"), and Collier Benge Land Joint Venture, LLC, a Florida limited liability company, whose mailing address is 220 N. Main Street, Gainesville, FL 32601 ("**Developer**"). The City and the Developer are sometimes collectively referred to herein as the "**Parties**" and individually as a "**Party**."

WITNESSETH:

WHEREAS, Developer is currently the owner and developer of that certain property located in the City of Apopka, Orange County, Florida legally described in **Exhibit "A"** attached hereto and expressly incorporated herein by this reference ("**Property**");

WHEREAS, the Property is commonly known as Floridian Town Center which is an approved Planned Development by the City, as may be amended from time to time ("**PD**" or "**PD Master Plan**"), consisting of commercial, apartments/multi-family and recreational uses (collectively, "**Project**");

WHEREAS, it is initially anticipated by the Developer that the Project will be developed in two (2) or more phases, as approved through the City's applicable process;

WHEREAS, Developer will establish the Master Association, as hereinafter defined, to administer the maintenance of the common elements of the Project, in order to ensure the orderly development of the Project, and ensuring the ordered development of the Project serves the public purpose of providing the public with a high-quality development while minimizing adverse public impacts;

WHEREAS, Developer has agreed to safeguard against certain adverse public impacts on the Property by securing performance bonds or other financial assurances for the construction of the common improvements within the Project, including the street network; and

WHEREAS, the City confirms that this Agreement is consistent with and an exercise of the City's powers under the Municipal Home Rule Powers Act; Article VII, Section 2(b) of the Constitution of the State of Florida; Chapter 166, Florida Statutes; all City Rules; other controlling law; and the City's police powers, and is a non-statutory development agreement which is not subject to or enacted pursuant to the provisions of Section 163.3220-163.3243, *Florida Statutes.*

NOW, THEREFORE, for and in consideration of the mutual obligations contained herein and the sum of ten dollars ($10.00) and other good and valuable consideration the sufficiency of which is hereby conclusively acknowledged the Parties agree as follows:

AGREEMENT

1. **Recitals.** The Recitals contained above are true and correct and are incorporated in this Agreement in full as if set forth herein.

2. **Project Phasing**. The Project is anticipated to be developed in two (2) or more phases and consist of seven (7) or more development parcels, as identified and depicted on the Parcel Plan ("**Parcel Plan**") attached hereto as **Exhibit "B"** and expressly incorporated herein by this reference. The development parcels are depicted on the Parcel Plan and identified herein by Parcel number (i.e. - "**Parcel 1**", "**Parcel 2**", etc.). Parcel 4 may be developed in one (1) or more phases and any phase subsequent to Phase 1 may be used and developed as Flex Space. The Parcel Plan and phasing of the Project are subject to revision. The uses permitted within each parcel are as shown on the Permitted Use Table attached hereto as **Exhibit "C"** and expressly incorporated herein by this reference.

3. **Flex Space Permitted Uses.** The following land uses are permissible uses within the Flex Space Parcel (Any subsequent Phases of Parcel 4 and Parcel 5) ("**Flex Parcel**"):

   a. Hotel. A hotel use not to exceed 120 rooms and all rooms must have entry only through the interior of the hotel building. A restaurant will be permitted at the hotel but must be interior to the hotel or connected by a covered walkway. Restaurant facilities must be managed or leased by the hotel owner. Any hotel shall demonstrate character and attributes common to the definition of such hotels and shall be furnished in a themed, stylish and/or aspirational manner.

   b. Day care, adult or child.

   c. Assisted Living Facility, Independent Living Facility, or Senior Housing.

   d. Residential. The City and the Developer agree that in the event nonresidential development does not occur on the Flex Space Parcel, Developer shall be permitted to convert the flex space to develop multi-family residential units on the Flex Space Parcel to the extent and limited to a maximum residential density of fifteen (15) units per acre for the entire area of the Project pursuant to the Future Land Use

Element of the City's Comprehensive Policy Plan in effect as of the date hereof. Such uses may include residential apartments above first-floor professional or business office uses consistent with Section 9 below.

e. Professional or Office Buildings.

f. Medical Office Building.

g. Vertical Mixed-Use Buildings. Professional or office uses on the first floor and apartments on the upper floors.

4. **Master Association.** Developer has formed the Floridian Town Center Master Association, Inc. ("**Master Association**") through the creation and filing of Articles of Incorporation, and will, prior to the issuance of the first certificate of occupancy or its equivalent for vertical construction on the Project adopt Bylaws and a Declaration of Covenants, Conditions and Restrictions, or similar ("**Governing Documents**") governing the Project. The Governing Documents shall be consistent with this Agreement and the Transportation Impact Fee Agreement, as hereinafter defined, and, to the extent of a conflict, this Agreement and the Transportation Impact Fee Agreement shall supersede the Governing Documents. Each member of the Master Association shall agree on behalf of itself and their respective successors and assigns to comply with the PD and other City approvals for the Project applicable to any portion of the Property owned by the particular party. The Governing Documents shall specify that an annual budget is established to adequately fund the maintenance of any common park space and common property/elements. The Governing Documents shall also provide for the establishment of an Architectural Review Committee ("**ARC**"). The City and the Developer agree that the Project is intended to be a first-class mixed-use development and the ARC shall establish review criteria consistent with such intent and similar communities within the Central Florida area. The Master Association shall be responsible for the maintenance of the storm water system and ponds within the Project (except those serving only Parcel on which they are located if maintained by such Parcel owners), Project signage, and common landscaping, trees and grass within all medians and rights-of-way along all internal roads and further discussed in the Transportation Impact Fee Agreement. Maintenance shall include mowing grass and maintaining any vegetation or trees planted within the right-of-way.

5. **Internal Street Network**. All internal streets, roads and rights-of-way within the PD ("**Internal Streets**") shall be public and shall be dedicated to the City, by recorded plat or otherwise, except the streets, roads and rights-of-way within any residential/multi-family development which, if gated or otherwise exclusively or primarily serves a residential purpose, shall be private through Parcel 4 as depicted on the Road Phasing Plan attached hereto as **Exhibit "D"** and expressly incorporated herein by this reference. The foregoing shall also be applicable, at Developer's option, as to any other Parcel in the event that any other Parcel is developed as residential/multi-family use. Developer shall be entitled to impact fees credits for the construction of all of the Internal Streets which are public streets, roads and rights-of-way as set forth in the Transportation Impact Fee Agreement (**"Transportation Impact Fee Agreement"**) attached hereto as **Exhibit "E"** and expressly incorporated herein by this reference.

6. **External Street Network/Improvements**. The Developer shall be responsible for the external roadway improvements to the off-site streets, roads and rights-of way as depicted on **Exhibit "D"** and as more particularly set forth in the Transportation Impact Fee Agreement. The Developer shall be entitled to appropriate impact fee credits for all such external roadway improvements (including, drainage improvements, landscaping, irrigation, required signage, lighting and similar improvements) as provided in the Transportation Impact Fee Agreement.

7. **Parking and On-Site Infrastructure**. Although the Project may be constructed in phases consistent with the Phasing Plan and this Agreement, each individual phase of the Project shall be required to provide sufficient on-site infrastructure to satisfy the applicable City Code requirements. Further, each individual phase shall be required to provide the number of parking spaces set forth within the PD Master Plan. All on street parking spaces with the exception of Parcel 4 (and any other Parcel hereafter permitted for multi-family use) shall be considered common areas and accessible to residents and guests of the entire Project.

8. **Apartments.** The multi-family development on Parcel 4 (and any other Parcel hereafter permitted for multi-family use) of the Project is characterized as luxury apartments and may contain all or some of following amenity features: (1) a clubhouse; (2) a swimming pool; (3) a dog park, and (4) a washer and dryer within each apartment.

9. **Commercial Uses**.

   a. Permitted uses. Any commercial use allowed under the City's Land Development Code (or equivalent) and ordinances shall be permitted within Parcels 1, 2, 3, 5 and 6 or other portions of the Project now or hereafter designated a retail or commercial use.

   b. Prohibited uses. Notwithstanding anything to the contrary herein, the Project shall prohibit the uses set forth on **Exhibit "F"** attached hereto and expressly incorporated herein by this reference.

   c. Ability to close streets. Within the commercial and retail areas of the Project, the Developer and the Master Association shall have the right and be permitted to close parking areas, streets and roadways within one (1) or more Parcels for special events, fairs, street fairs, farmers markets and other events at the Project (**"Special Events"**) in a manner otherwise consistent with City codes, ordinances, and regulations including the required prior notification to all necessary City and County agencies; provided, however, access shall be maintained at all times to Parcel 4 and other non-retail and commercial Parcels.

   d. Outdoor dining. Within the commercial and retail areas of the Project, outdoor dining shall be permitted, including tables set up and service at all times on sidewalks, walkways and, in the case of Special Events, in the roadways in a manner otherwise consistent with City codes, ordinances, and regulations including the required prior notification to all necessary City and County agencies.

10. **Signage**.

a. On-Site Signage. On-site signage shall be permitted on the Property as set forth herein and as provided in the PD. Signs and other forms of advertising in the Developer's discretion within the Property shall be allowed during the Project development, for sale and leasing during any sale and leasing period for the Project or individual Parcels and at other times on a temporary basis.

b. Special Events. The Developer and the Master Association shall be permitted to place directional and event signs within the Project for Special Events.

c. Directional Signage. The Developer shall have the right to place directional signage and similar signage within the Project, in Developer's discretion.

d. Off-Site Signage. The Developer shall be entitled to locate off-site signage as depicted on **Exhibit "G"** attached hereto and expressly incorporated herein by this reference.

11. **Water and Sewer; Utilities**. The Developer shall provide all requisite utilities to each Phase of the Project in accordance with the Utility Phasing Plans attached hereto as **Exhibits "H-1", "H-2", and "H-3"** and expressly incorporated herein by this reference, as and when required for the development of such Phase, including, but not limited to, water, sewer, storm sewer, reclaimed water, electric, gas (if available at Developer's option), and other services. Developer shall be entitled to impact fee credits for all such improvements and any oversizing of any such improvements located outside the Property, and shall be entitled to impact fee credits for the as provided for and set forth in the Utility Impact Fee Agreement attached hereto as **Exhibit "I"** attached hereto and expressly incorporated herein by this reference.

12. **Underlying Easement Agreement**. The Property is subject to that certain Easement Agreement between the City and the Developer dated July 1, 2020, as recorded July 22, 2020 under Instrument No. 20200390471, Public Records of Orange County, Florida ("**Easement**"). The Developer shall be entitled to impact fee credits for all cost related to improvements required to be constructed pursuant to the terms and provisions of the Easement. The Developer may locate signage within the Easement.

13. **South Fork Drive Improvements and Conveyance to the City**. The Developer owns a 7/8th interest in South Fork Drive, whereas the City owns the remaining 1/8th interest. The Developer shall improve the entirety of South Fork Drive to City standards and convey ownership thereof to the City. The City and the Developer shall then enter into an easement agreement in similar form and substance as the Easement referenced in **Paragraph 12** herein. The Developer shall be entitled to impact fee credits for all costs related to the improvements required to be constructed on South Fork Drive.

14. **Existing Impact Fee Credits**. Developer shall receive credit for the impact fees paid or vested in the previous use on the Property. Attached hereto as **Exhibit "J"** is an identification of Parcel IDs with structures that may have existing impact fees that will be credited to Developer.

15. **Covenants Running with the Land/Assignment**. The terms, provisions, covenants, conditions and restrictions set forth in this Agreement and the rights, privileges and benefits and duties, obligations and burdens assigned, granted, imposed and created pursuant to this Agreement

shall and are hereby declared to be covenants running with the title to the Property. This Agreement shall legally benefit and bind the Developer and its respective successors and assigns.

16. **Force Majeure**. Except as otherwise expressly set forth in this Agreement, if either Party's performance of any act (other than the payment of money) required hereunder is impractical, impossible, delayed, hindered, or prevented by reason of strikes, lock-outs, labor troubles, inability to procure materials, failure of power, restrictive governmental laws or regulations, pandemic or epidemic health occurrences as declared by applicable governmental or world health organizations, health events resulting in government mandated quarantine, shelter-in-place, travel restrictions, government office shut-down and/or moratoria, or other government-directed cessation of business related to pandemic or epidemic health occurrences, riots, terrorist acts, insurrection, adverse weather conditions, war or other reasons of a like nature not the fault of the Party delayed in performing work or doing acts required under the terms of this Agreement (all of such reasons or causes referred to in this Agreement as "force majeure"), then performance of such acts shall be excused for the period of the delay, and the period within which the performance of such act may be required hereunder shall be extended by a period equivalent to the period of such delay plus thirty (30) days. In any case where work is to be paid for out of insurance proceeds or condemnation awards or other similar such proceeds, due allowance, not to exceed ninety (90) days in the aggregate, shall be made, both to the Party required to perform such work and to the Party required to make such payment, for delays in the collection of such proceeds and award.

17. **Legal Proceedings, Attorneys' Fees**. In the event that either Party shall institute litigation or other legal proceedings against the other to interpret or enforce any term, provision, warranty, covenant or condition set forth in this Agreement, the prevailing Party in such litigation or other legal proceedings following all appeals therefrom, if any, shall be entitled to recover from the non-prevailing Party in such litigation or other legal proceedings reasonable attorneys', paralegals', and experts' fees and expenses and court costs incidental thereto, including those incurred on any bankruptcy proceeding and/or appeal of a lower court decision.

18. **Notices.**

a. All notices provided for in this Agreement shall be in writing and delivered to the addresses below:

City: City of Apopka
120 East Main Street
Apopka, Florida 32703
Attn: _____
Email: _____
Telephone: (407) 703-1712
Facsimile: (___) _____

With a copy to: _____
_____
_____
Email: _____
Telephone: (__) _____

Developer: Collier Benge Land Joint Venture, LLC
Attention: Nathan S. Collier
220 N. Main Street
Gainesville, Florida 32601
Email: legal@colliercompanies.com
Telephone (407) 375-2152

and

Collier Benge Land Joint Venture, LLC
Attention: Tony Benge, Jr.
609 East Pine Street
Orlando, Florida 32801
Email:Tony@bengedevelopment.com
Telephone (407) 948-3681

With a copy to: Ryan P. Finnegan, Esq.
The Collier Companies
220 N. Main Street
Gainesville, FL 32601
Email: ryan.finnegan@colliercompanies.com
Telephone (352) 416-1426

b. Any notice, request, demand, instruction or other communication to be given to either Party hereunder, shall be in writing and shall be hand-delivered, sent by Federal Express or a comparable overnight mail or delivery service, mailed by U.S. registered or certified mail, return receipt requested, postage prepaid, by electronic mail (email), or transmitted by facsimile or telecopier to the Parties and their listed co-recipients, at their respective addresses and/or facsimile numbers set forth herein. Any notice delivered as aforesaid shall be deemed delivered immediately upon mailing, delivery to an appropriate carrier, or receipt or refusal of delivery of said notice, whichever is earliest. The inability to deliver because of change in address of which no notice is given shall be deemed to be a receipt of the notice, demand and request. The Party claiming delivery of notice via telecopier or facsimile shall have the burden of proving notice was in fact sent, which burden can be carried without further evidence if confirmed by the transmitting telecopier or facsimile machine. Any communication sent by electronic mail, facsimile or telecopier shall promptly be followed by a copy delivered by one of the other approved methods. Receipt shall be deemed to have occurred if delivered to an authorized agent or any employee of the addressee or of the addressee's company. A time period in which a response to any notice, demand or request must be given pursuant to the terms of the Agreement, shall commence to run from the date of receipt. Any Party may change the address for receiving notices, request, demands, or other communication by not less than three (3) days prior notice in accordance with this Section. Telephone numbers are provided for convenience only. Notice from a Party's attorney shall constitute legal notice hereunder.

c. City and Developer may from time to time notify the other of changes regarding where and to whom notices should be sent by sending notification of such changes pursuant to this Section.

19. **Miscellaneous Provisions.**

a. **Entire Agreement**. This Agreement constitutes the complete and entire understanding and agreement between City and Developer concerning or with respect to the topics addressed in this Agreement and supersede any and all prior or contemporaneous covenants, agreements, undertakings, statements, representations or warranties, whether written or oral, of any Party hereto concerning or with respect thereto.

b. **Relationship of the Parties**. This Agreement does not evidence the creation of, nor shall it be construed as creating a partnership or joint venture between the City and Developer. Developer cannot create an obligation or responsibility on behalf of City or bind City in any manner. Each Party is acting for its own account, and it has made its own independent decisions to enter into this Agreement and as to whether the same is appropriate or proper for it based upon its own judgment and upon advice from such advisers as it has deemed necessary. Each Party acknowledges that none of the other Parties hereto is acting as a fiduciary for or as an adviser to it in respect of this Agreement or any responsibility or obligation contemplated herein.

c. **Agency**. Developer and City, and their agents, contractors and subcontractors, shall perform all activities described in this Agreement as independent entities and not as agents of one another.

d. **Sovereign Immunity**. Nothing contained in this Agreement shall be construed as a waiver of City's right to sovereign immunity for tort claims under and subject to § 768.28, *Florida Statutes*.

e. **Captions, Section and Paragraph Headings**. Captions, section and paragraph headings contained in this Agreement are for convenience of reference only and are in no way intended, and shall in no way be deemed, to define, describe, extend or limit the scope, content or intent of this Agreement or of any particular term, provision, section or paragraph hereof.

f. **Modification, Amendment or Termination**. This Agreement may not be changed, modified, amended or terminated except as expressly set forth in a separate writing signed by both of the Parties to this Agreement or their respective successors in interest or title.

g. **Recording in Public Records.** Developer shall ensure that this Agreement and the Transportation Agreement are recorded among the public records of Orange County, Florida promptly after the execution of the Agreement and Transportation Agreement by all Parties.

h. **Indemnification.** Developer hereby indemnifies and holds City and its elected and appointed officials, employees and agents harmless from and against any and all claims (at law or in equity), disputes, lawsuits, injuries, damages, attorneys' fees and all adverse matters in any way arising out of or relating to the risks assumed by Developer under this Agreement.

i. **Default**. Failure by a Party to perform any of its obligations hereunder shall constitute default hereunder, entitling the non-defaulting Party to terminate this Agreement or to pursue the remedies of specific performance, injunctive relief or damages as set forth in this Agreement. Prior to termination of this Agreement, the non-defaulting Party exercising such right shall first provide the defaulting Party with written notice specifying such default and the actions needed to cure same, in reasonable detail. Upon receipt of said notice, the defaulting Party shall be provided thirty (30) day opportunity within which to cure such default.

j. **Bankruptcy**. In the event (a) an order or decree is entered appointing a receiver for Developer or its assets or (b) a petition is filed by Developer for relief under federal bankruptcy laws or any other similar law or statute of the United States, which action is not dismissed, vacated or discharged within sixty (60) days after the filing thereof, then City shall have the right to terminate immediately this Agreement.

k. **No Liability or Monetary Remedy**. Notwithstanding anything herein to the contrary, Developer and City, on behalf of themselves, and their respective successors and assigns, hereby agree that neither Party shall be liable to the other for any direct, indirect, special, punitive or consequential damages, including but not limited to, damages based on loss of service, revenues, profits or business opportunities, and hereby waive any and all claims and causes of action for the recovery of such direct, indirect, special, punitive or consequential damages.

l. **Governing Law; Binding Effect**. This Agreement and the construction, interpretation and enforcement thereof shall be construed in accordance with and governed by the laws of the State of Florida and shall be binding upon, inure to the benefit of and be enforceable by the Parties hereto and their respective successors in interest or title.

m. **Venue**. The location for settlement of any and all claims, controversies, or disputes, arising out of or relating to any part of this Agreement, or any breach hereof, shall be Orange County, Florida.

n. **Construction of Agreement**. The fact that any one of the Parties to this Agreement shall have drafted or structured or shall be deemed to have drafted or structured this Agreement or any particular term or provision of this Agreement shall not be considered by any court or other tribunal in the construction or interpretation of this Agreement or any particular term or provision of this Agreement, either in favor or to the disadvantage of such Party.

o. **Severability**. If any of the terms, provisions, covenants or conditions set forth in this Agreement or the application thereof to any particular circumstance shall be held by any Court having jurisdiction to be illegal, invalid or unenforceable under applicable law, the remainder of this Agreement shall not be affected thereby and each provision of this Agreement shall be valid and enforceable to the fullest extent otherwise permitted by law.

p. **Counterparts**. This Agreement may be executed in two or more counterparts, each of which shall be and be taken to be an original, and are collectively but one instrument.

q. **Time of the Essence**. Time, and timely performance, is of the essence of this Agreement and of the covenants and provisions hereunder. When a date upon which a specified event shall occur or be performed falls upon a weekend or legal holiday, the time allowed for the event or performance to occur shall be extended to 5:00 p.m. on the next succeeding business day. For purposes of this Agreement, a "business day" shall mean any weekday that the banks in the county in which the Property is located are open for business (thereby excluding Saturdays, Sundays and legal holidays).

r. **Statutory Development Agreement**. This Agreement is not a statutory development agreement pursuant to Chapter 163, Florida Statutes (Florida Local Government Development Agreement Act), and is being entered into by the City pursuant to the City's home rule authority.

Witnesses:

COLLIER BENGE LAND JOINT VENTURE, LLC, a Florida limited liability company

Printed Name: AVA SCHWALBE

By: _____

Name: Tony M. Benge Jr.

Title: Mngr

Printed Name: Carla Guerra

[NOTARY ACKNOWLEDGEMENT ON FOLLOWING PAGE]

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me this 30 day of August, 2021, by Tony Benge, as Manager of Collier Benge Land Joint Venture, LLC, a Florida limited liability company, on behalf of the company. He/she appeared by *(check one)* ☐ physical appearance or ☐ online notarization, and *(check one)* ☒ is personally known to me or ☐ has produced _____ as identification.

Valerie J. Beck August 30, 21

Notary Public State of Florida
Valerie J Beck
My Commission
HH 242174
Exp. 3/17/2026

Print Name: Valerie J. Beck
Notary Public
My Commission Expires: 3/17/26
Commission Number: 242174

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

ImpEDC6

CITY OF APOPKA

By: _____
Bryan Nelson, Mayor

ATTEST:

_____
Susan Bone, City Clerk

Approved as to Form:

_____
Michael A. Rodríguez, City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 25 day of August, 2021, by Bryan Nelson, as Mayor of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida. He/she appeared by *(check one)* ☑ physical appearance or ☐ online notarization, and *(check one)* ☑ is personally known to me or ☐ has produced _____ as identification.

_____
Print Name: Victoria D. Parks
Notary Public
My Commission Expires: Jan. 3, 2022
Commission Number: GG 172529

VICTORIA D. PARKS
Commission # GG 172529
Expires January 3, 2022
Bonded Thru Troy Fain Insurance 800-385-7019

Exhibit "A"

Legal Description of Property

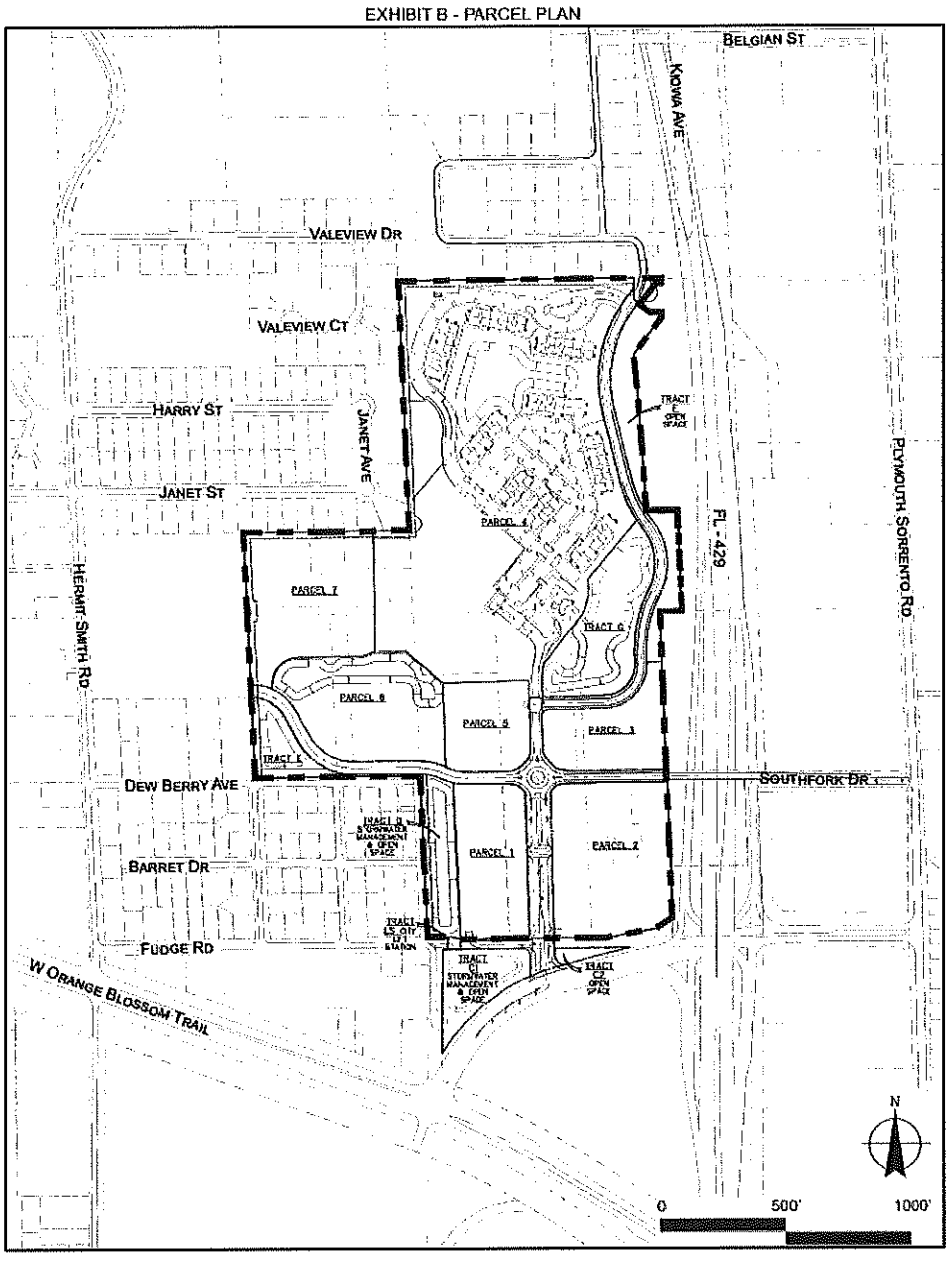
That part of MAP OF PLYMOUTH, according to the plat thereof, as recorded in Plat Book B, Pages 17 and 18, of the Public Records of Orange County, Florida, and that part of Section 36, Township 20 South, Range 27 East, Orange County, Florida, described as follows:

BEGIN at the Southeast corner of Tract G, according to the plat of STANTON RIDGE, as recorded in Plat Book 99, Pages 131 through 134, of the Public Records of Orange County, Florida; thence S89"28'53"W along the South line of said plat of STANTON RIDGE, for a distance of 947.63 feet to the Southwest corner of said plat of STANTON RIDGE and the West line of the Northeast 1 /4 of the Southeast 1 /4 of said Section 36; thence S02"34'31"E along said West line, 993.64 feet to the Northeast corner of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of said Section 36; thence S89"29'29"W along the North line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 665.02 feet to the Northwest corner of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02"44'36"E along the West line of said South 1/2 of the Southeast 1/4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36, for a distance of 298.07 feet to the North line of the South 1 /2 acre of said South 1 /2 of the Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence departing said West line run N89"30'13"E along said North line, 12.01 feet to the East line of the Western 12.00 feet of said South 1/2 acre of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said North line run S02"44'36"E along said East line, 32.82 feet to the South line of said Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence departing said East line run S89"30'13"W along said South line, 12.01 feet to the Southwest corner of said Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence S02"44'36"E along the West line of the Northeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of said Section 36, for a distance of 651. 78 feet to the North line of lands described in Official Records Book 4175, Page 4995, of the Public Records of Orange County, Florida; thence departing said West line run N89"31'43"E along said North line and the North line of lands described in Official Records Book 4184, Page 3110, of the Public Records of Orange County, Florida, for a distance 662.15 feet to the West line of the Southeast 1 /4 of the Southeast 1 /4 of said Section 36; thence departing said North line run so2•34'31"E along said West line, 641.99 feet to the North line of lands described in Official Records Book 2987, Page 1787, of the Public Records of Orange County, Florida; thence departing said West line run N89"33'13"E along said North line and the North line of lands described in Official Records Book 9852, Page 5231, of the Public Records of Orange County, Florida, 92.05 feet; thence S76"32'30"E along said North line of lands described in Official Records Book 9852, Page 5231, for a distance of 41.61 feet to the North right-of-way line of Fudge Road, platted as Lake Street, according to the aforesaid plat of MAP OF PLYMOUTH; thence departing said North line run N89"33'13"E along said North right-of-way line, 592.78 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9852, Page 6076, of the Public Records of Orange County, Florida; thence departing said North right-of way line run N79"37'51 "E along said Westerly limited access right-of-way line, 200.23 feet; thence N56"40'34"E along said Westerly limited access right-of-way line, 78.30 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book

9964, Page 3691, of the Public Records of Orange County, Florida; thence N02"19'28"W along said Westerly limited access right-of-way line, 545.26 feet to the Northwest corner of Lot 8, Block P, according to said plat of MAP OF PLYMOUTH; thence N05"53'47'W along the Westerly limited access right-of-way line according to Central Florida Expressway Authority Right-of-way Map CFX Project Number 429-202, for a distance of 40.18 feet to the Southwest corner of Lot 1, Block P, according to said plat of MAP OF PLYMOUTH and the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10808, Page 4332, of the Public Records of Orange County, Florida; thence N02"20'29"W along said Westerly limited access right-of-way line, 642.86 feet; thence N89"29'17"E along said Westerly limited access right-of-way line, 84.79 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10764, Page 480, of the Public Records of Orange County, Florida and a non-tangent curve concave Westerly having a radius of 11294.16 feet and a chord bearing of N02"02'26"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 02"01'48" for a distance of 400.16 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10705, Page 4582, of the Public Records of Orange County, Florida and as described in Official Records Book 10705, Page 6080, of the Public Records of Orange County, Florida and a non-tangent line; thence S89"29'17"W along said Westerly limited access right-of-way line, 125.14 feet to a non-tangent curve concave Westerly having a radius of 11169.16 feet and a chord bearing of N04"40' 48"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 03"11 '30" for a distance of 622.17 feet to a non-tangent line; thence N37"22'01"E along said Westerly limited access right-of-way line, 182.75 feet; thence N00"27'45"W along said Westerly limited access right-of-way line, 24.71 feet to the Southeast corner of the aforesaid plat of STANTON RIDGE; thence departing said Westerly limited access right-of-way line run the following courses and distances along the aforesaid South line of the plat of STANTON RIDGE: S89"31'59"W, 46.62 feet; N52"36'26"W, 79.53 feet; N00"31'22"W, 85.34 feet to the POINT OF BEGINNING. This description is based on Florida State Plane Coordinate System East Zone, scale factor of 0.99997293, NAD 83 Datum (2011 adjustment) and all distances are grid dimensions.

Exhibit "B"

Parcel Plan



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT
CITY OF APOPKA, FL
EXHIBIT B - PARCEL PLAN
11.20.2020

tmpEDC6

Exhibit "C"

Permitted Use Table

EXHIBIT C - PERMITTED USE TABLE

Permitted Parcel Uses

Uses	Parcel						
	1	2	3	4	5	6	7
Multi-Family				Y	Y		
Townhome					Y		
Assisted Living Facility[1]							Y
Independent Living Facility[1]							Y
Hotel			Y				
Commercial/Retail	Y	Y	Y		Y	Y	
Professional Office	Y	Y	Y		Y		
Medical Office	Y	Y	Y		Y	Y	Y
Self-Service Storage[2]	Y	Y	Y				
Parks and Open Space[3]	Y	Y	Y	Y	Y	Y	Y
Indoor Recreation						Y	
Institutional/Civic					Y	Y	

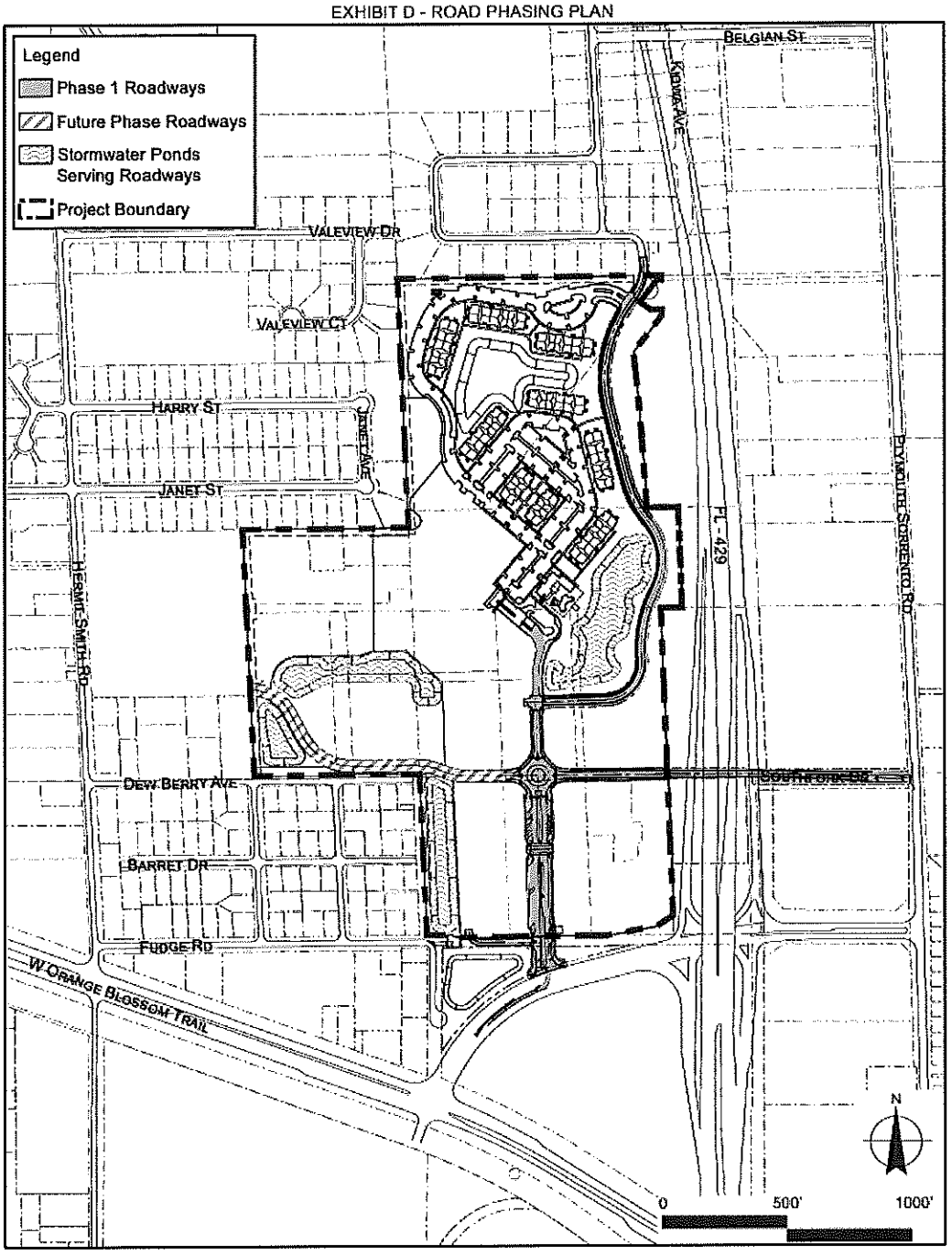
Notes : 1. Assisted Living and Independent Living Facilities may contain ancillary personal services and food & beverage uses that are only offered to residents of the facility, not to exceed 4,000 sq ft.

2. Only indoor, climate controlled self-service storage shall be permitted. No outdoor self-service storage will be permitted.
3. Parks may include passive or active recreational facilities such as playgrounds, dog parks, sport courts, etc.

Exhibit "D"

Road Phasing Plan

EXHIBIT D - ROAD PHASING PLAN



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT
CITY OF APOPKA, FL
EXHIBIT D - ROAD PHASING PLAN
11.20.2020

tmpEDC6

Exhibit "E"

Transportation Impact Fee Credit Agreement

Exhibit "F"

Prohibited Uses

A. An operation primarily used as warehouse operation or any assembling, manufacturing, distilling, refining, smelting, agricultural, or mining operation.

B. Any self-service storage facilities that are not climate controlled.

C. Any outdoor storage of automobiles, recreational vehicles, or boats.

D. Any "second hand" store, any operation selling "surplus" or "salvage" goods, or pawn shop.

E. Any mobile home park, trailer court, labor camp, junkyard, or stockyard; but this prohibition is not applicable to the temporary use of construction trailers during periods of construction, reconstruction or maintenance.

F. Any dumping, disposing, incineration or reduction of garbage, but this prohibition does not apply to (i) garbage compactors or other garbage collection areas or facilities located near the rear of any building, or (ii) recycling centers that may be required by Governmental Requirements.

G. Any fire sale, bankruptcy sale (unless pursuant to a court order) or auction house operation.

H. Any central laundry, dry cleaning plant, or laundromat, but this restriction is not intended to prevent the operation of an on-site service oriented solely to pickup and delivery of clothing by the ultimate consumer, with no washing or processing facilities within the Project, as the same may be found in retail shopping centers in the metropolitan area where the Project is located.

I. Any (i) automobile, truck, trailer, or recreational vehicle sales, leasing, or display operation, (ii) car wash, or (iii) body shop repair operation.

J. Any bowling alley or skating rink.

K. Any mortuary or funeral home.

L. Any establishment selling or exhibiting obscene or sexually explicit material.

M. Any establishment selling or exhibiting illicit drugs or related paraphernalia.

N. A strip club.

O. Any massage parlor or similar establishment (but the provision of therapeutic messages as part of a first-class health or beauty spa operation or by professional health care providers is permitted).

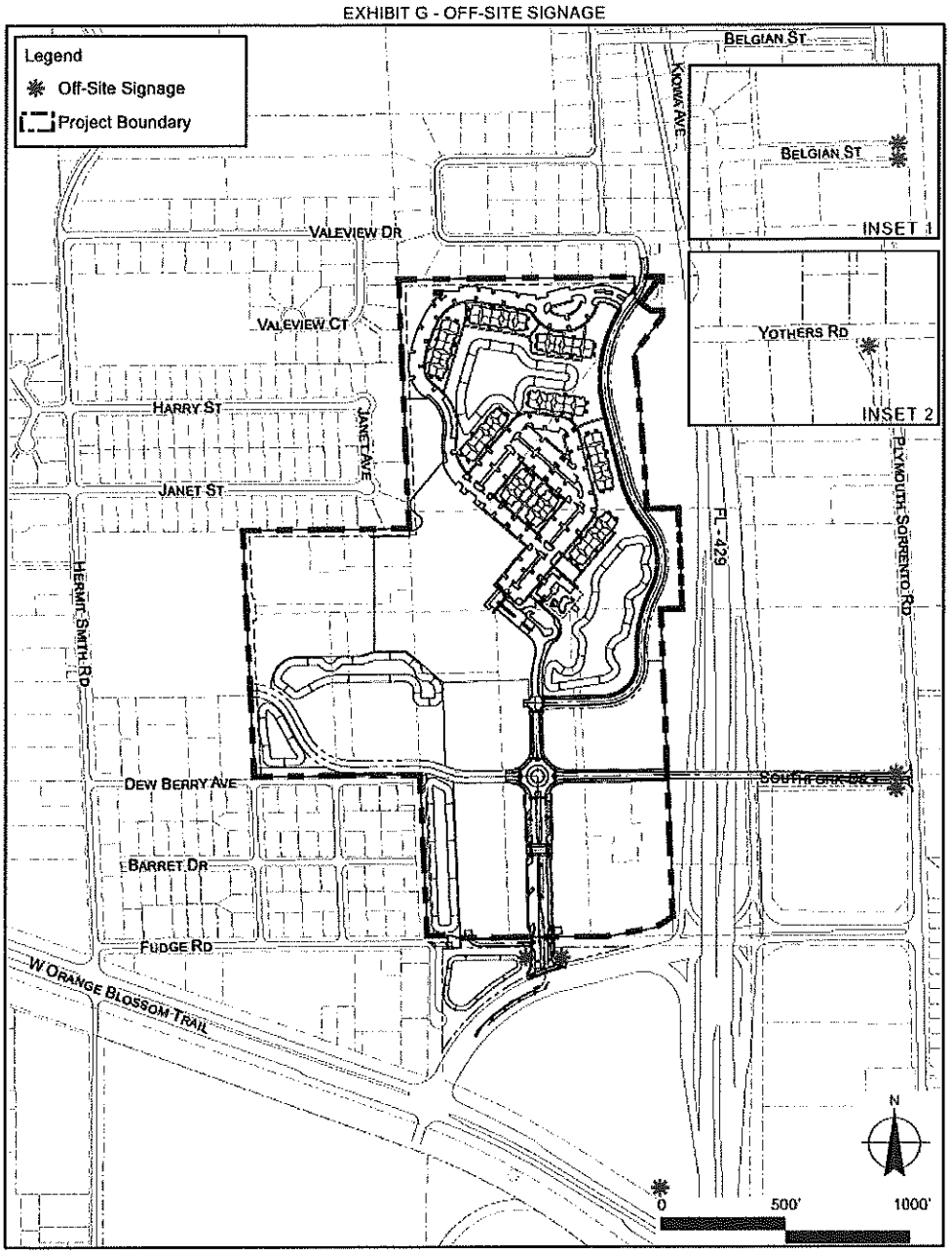
P. Any flea market, amusement or video arcade, pool or billiard hall, or dance hall.

Q. Any training or educational facility, including: beauty schools, barber colleges, reading rooms, places of instruction, or other operations catering primarily to students or trainees rather than to customers, but this prohibition is not applicable to on-site employee training by an occupant incidental to the conduct of its business at the Project.

R. Any gambling facility or operation, including: off-track or sports betting parlor; table games such as blackjack or poker; slot machines, video poker/blackjack/keno machines or similar devices; or bingo hall.

Exhibit "G"

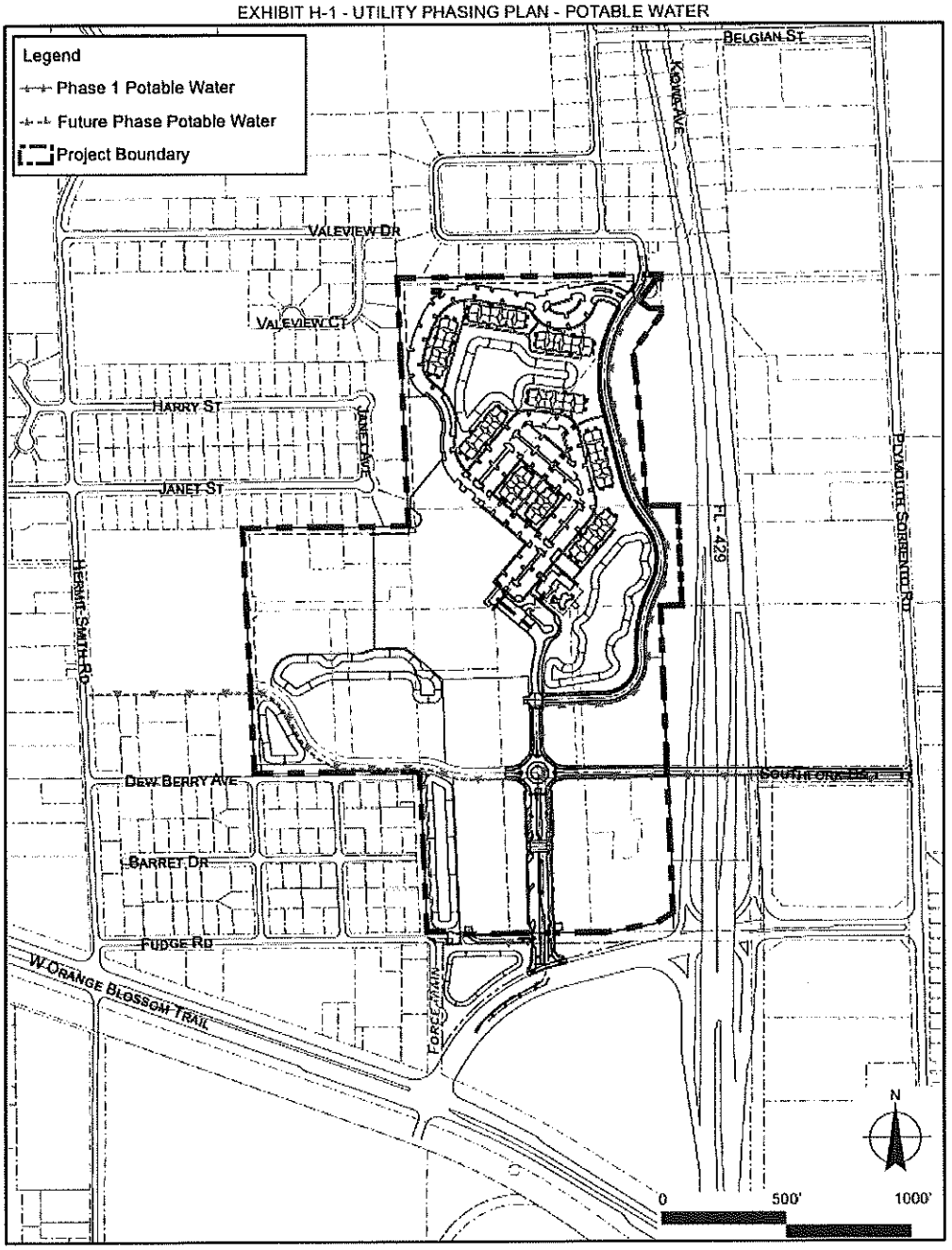
Off-Site Signage



Exhibits "H-1"/"H-2"/"H-3"

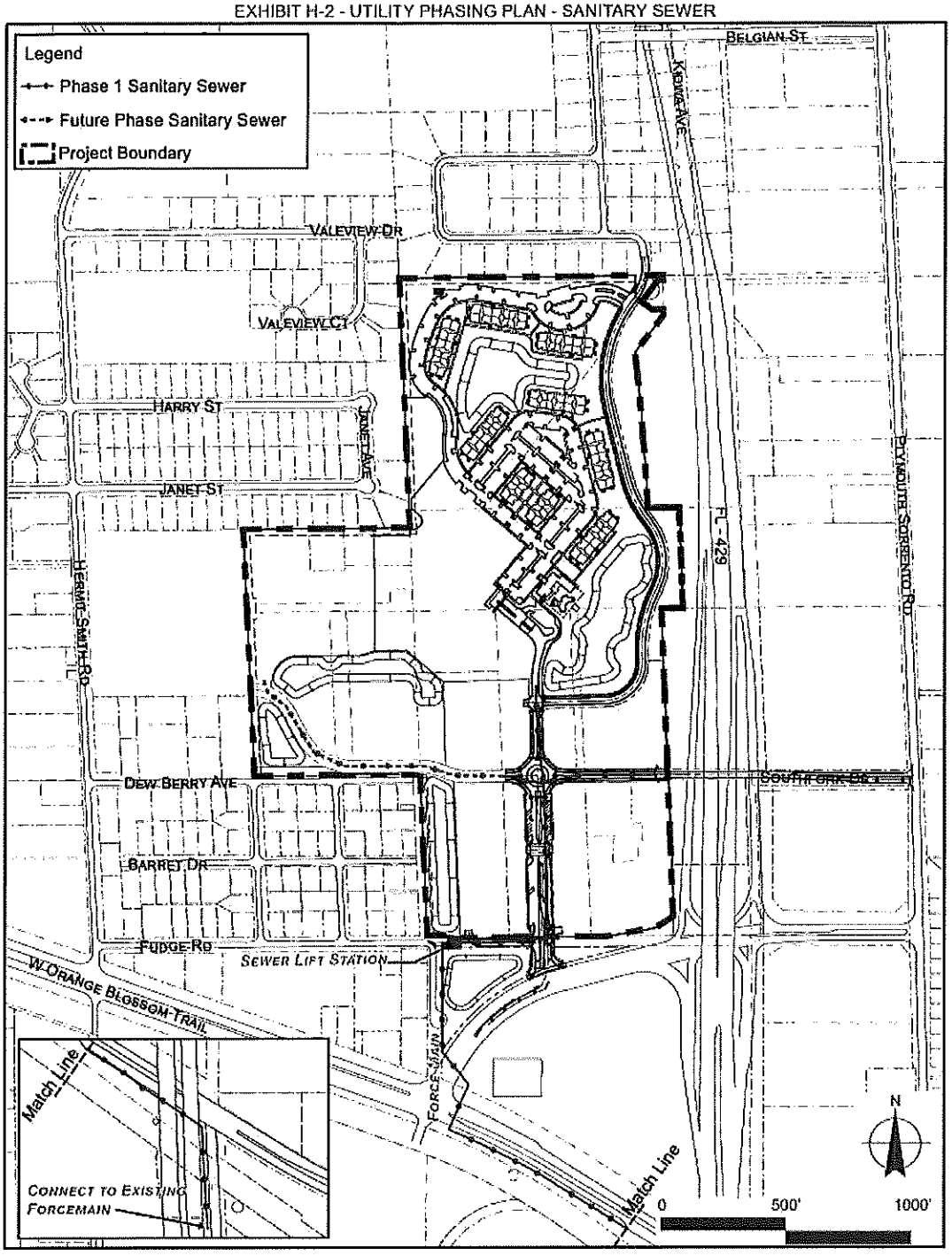
Utility Phasing Plans

EXHIBIT H-1 - UTILITY PHASING PLAN - POTABLE WATER



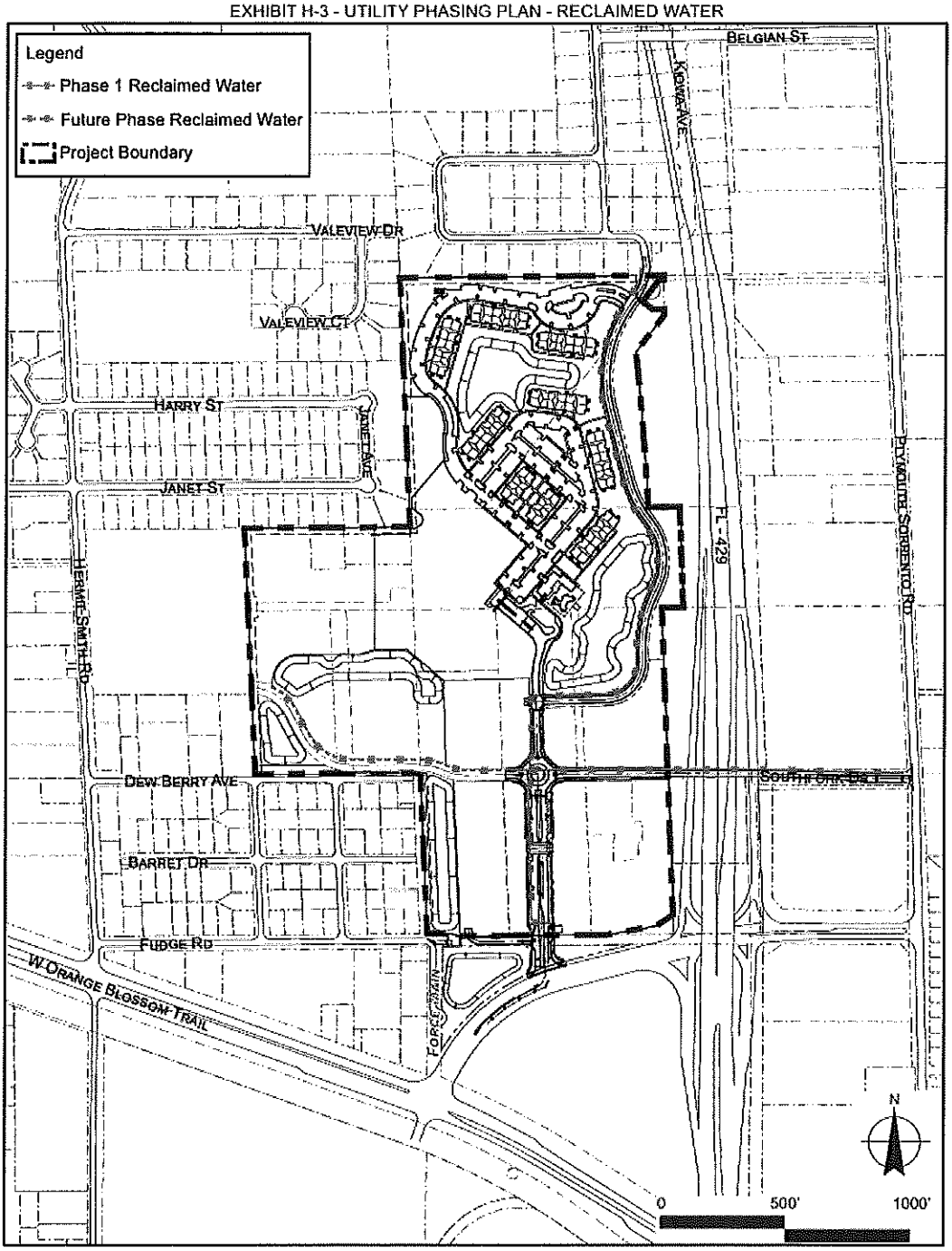
FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT
CITY OF APOPKA, FL
EXHIBIT - H-1 - UTILITY PHASING PLAN - POTABLE WATER 11.20.2020

EXHIBIT H-2 - UTILITY PHASING PLAN - SANITARY SEWER



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT
CITY OF APOPKA, FL
EXHIBIT H-2 - UTILITY PHASING PLAN - SANITARY SEWER 11.20.2020

EXHIBIT H-3 - UTILITY PHASING PLAN - RECLAIMED WATER



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT
CITY OF APOPKA, FL
EXHIBIT H-3 - UTILITY PHASING PLAN - RECLAIMED WATER 11.20.2020

Exhibit "I"

Utility Impact Fee Credit Agreement

Exhibit "J"

Existing Structures Eligible for Impact Fees Credit

Former Owner	Parcel ID Number	Street Address	Existing Structure	Units
Hatcher	36-20-27-0000-00-093	1430 Plymouth Sorrento Road	Single Family Residence	1
Henderson	36-20-27-0000-00-075	1374 Plymouth Sorrento Road	Single Family Residence	1
Hurt 1	36-20-27-0000-00-048	1248 Hermit Smith Road	Modular Home	1
Hurt 2	36-20-27-0000-00-074	-- Hermit Smith Road	Modular Home	1
Jackson	36-20-27-0000-00-068	-- Hermit Smith Road	Vacant Land	--
Eugene Williams	36-20-27-0000-00-066	1289 Hermit Smith Road	Single Family Residence	1
Holt	36-20-27-0000-00-052	3161 Southfork Drive	Single Family Residence	1
Williams Family Trust	36-20-27-0000-00-047	3205 Dew Berry Avenue	Single Family Residence	6
			Church	1
Bain 1	36-20-27-0000-00--085	3225 Dew Berry Avenue	Modular Home	1
Bain 2	36-20-27-0000-00-083	3321 Dew Berry Avenue	Modular Home	3
Jensen	06-21-28-7172-16-040	3201 Southfork Drive	Single Family Residence	1
Guy	06-21-28-7172-16-030	3173 Southfork Drive	Single Family Residence	1
			Stables	1
Jones	06-21-28-7172-16-020	3075 Southfork Drive	Single Family Residence	1
Lu	06-21-28-7172-16-051	3189 Fudge Road	Vacant Land	--
Welker	06-21-28-7172-16-050	3200 Fudge Road	Single Family Residence	1
Wilson	06-21-28-7172-16-060	3162 Southfork Drive	Single Family Residence	1
Wilson	06-21-28-7172-16-070	3076 Southfork Drive	Single Family Residence	1
Southfork Dr. W	06-21-28-7172-05-002	-- Southfork Drive	Unpaved Road	--
Southfork Dr. E	06-21-28-7172-04-062	1118 Plymouth Sorrento Road	Unpaved Road	--

120 E. Main St. · APOPKA, FLORIDA 32703-5346
PHONE (407) 703-1700

DOC # 20220485341
08/09/2022 07:57:40 AM Page 1 of 1
Phil Diamond, Comptroller
Orange County, FL

August 8, 2022

Orange County Comptroller
Attn: Official Records
PO Box 38
Orlando, FL 32802

RE: Recording of Documents – Orange County Public Records

Dear Clerk:

Please find the enclosed document for recording.

FLORIDIAN - MASTER DEVELOPMENT AGREEMENT

Please charge to: City of Apopka City Clerk's Office (2561) ACH account

If you have any questions, please call me at 407-703-1704.

Sincerely,

Susan M. Bone, CMC
City Clerk

FLORIDIAN - MASTER DEVELOPMENT AGREEMENT

DOC# 20240521955
09/09/2024 09:16:33 AM Page 1 of 19
Rec Fee: $163.00
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

THIS INSTRUMENT PREPARED BY
AND AFTER RECORDING RETURN TO:
Bruce T. Lower, Esq.
Shutts & Bowen LLP
300 S. Orange Ave., Suite 1600
Orlando, Florida 32801

AMENDMENT TO MASTER DEVELOPMENT AGREEMENT (FLORIDIAN TOWN CENTER)

This Amendment to Master Development Agreement (herein referred to as this "Amendment") is made and entered into on this 19th day of June, 2024 (the "Effective Date"), by and between (i) FLORIDIAN APOPKA PHASE I OWNER, LLC, a Delaware limited liability company ("Developer"), as successor in interest to COLLIER BENGE LAND JOINT VENTURE, LLC, a Florida limited liability company ("Collier"), and (ii) the CITY OF APOPKA, a Florida municipal corporation (the "City").

RECITALS

A. Collier and the City entered into that certain Master Development Agreement (Floridian Town Center), dated as of September 20, 2021 (the "Original MDA") to address issues involved in the development of certain lands in the City.

B. Collier assigned its rights in the Original MDA to Developer pursuant to that certain Assignment of Permits and Development Rights, dated as of April 13, 2022 (the "Assignment", and together with the Original MDA, the "MDA").

C. Developer and the City wish to further amend the MDA for the purposes set forth herein.

NOW, THEREFORE, in consideration of the foregoing, and in consideration of the mutual covenants herein contained, Developer and the City hereby agree as follows:

PART 1
RECITALS; DEFINITIONS

1.1 **Recitals**. The Recitals set forth above are true and correct and are incorporated in this Amendment by this reference.

1.2 **Definitions**. Capitalized terms used in this Amendment that are not defined in this Amendment shall have the same meaning as set forth in the MDA.

PART 2
AMENDMENTS

2.1 Section 9(a) of the MDA is hereby deleted in its entirety and replaced with the following language:

"Permitted uses. Any commercial use allowed under the City's Land Development Code (or equivalent) and ordinances shall be permitted within Parcels 1, 2, 3, 5, 6 and 7, or other portions of the Project now or hereafter designated a retail or commercial use."

2.2 Section 18(a) of the MDA is hereby deleted in its entirety and replaced with the following language:

"All notices provided for in this Agreement shall be in writing and delivered to the addresses below in writing:

City

City of Apopka

120 East Main Street

Apopka, Florida 32703

Attention: Susan Bone, City Clerk

Email: sbone@apopka.net

Telephone: (407) 703-1712

With a copy to:

_____

_____

_____

Email: _____

Telephone: _____

Developer:

Floridian Apopka Phase I Owner, LLC

Attention: Robert A. Simon

60 14th Street South, Suite 104, Birmingham, AL 35233

Email: rsimon@corporaterealty1.com

Telephone: (205) 503-4433

With a copy to: Shutts & Bowen, LLP

Attention: Bruce T. Lower, Esq.

300 S. Orange Avenue, Suite 1600

Orlando, FL 32801

Email: blower@shutts.com

Telephone: (407) 835-6733"

2.3 Exhibit "B" to the MDA is hereby replaced in its entirety with Schedule I attached hereto and made a part hereof.

2.4 Exhibit "C" to the MDA is hereby replaced in its entirety with Schedule II attached hereto and made a part hereof.

2.5 Exhibit "D" to the MDA is hereby replaced in its entirety with Schedule III attached hereto and made a part hereof.

2.6 Exhibits "H-1"/H-2/H-3" to the MDA are hereby replaced in their entirety with Schedule IV attached hereto and made a part hereof.

2.7 Exhibit "G" to the MDA is hereby replaced in its entirety with Schedule V attached hereto and made a part hereof.

PART 3
MISCELLANEOUS

3.1 Ratification and Unchanged Provisions. Except as may be inconsistent with the specific terms of this Amendment, Developer and the City hereby ratify all other provisions of the MDA which all other provisions shall remain unchanged. For avoidance of doubt, any clause, sentence, paragraph, or other provision of the MDA that is not expressly amended, revised, or deleted in this Amendment shall remain unchanged.

3.2 Binding Effect. This Amendment shall run with the land and shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors, heirs and assigns in title

3.3 Counterparts. Developer and the City expressly agree that signatures delivered by facsimile or electronic transmission shall be treated as original signatures for all purposes hereunder. This Amendment may be executed in one or more counterparts, each of which shall constitute an original, but when taken together shall constitute one and the same agreement.

3.4 Authority. Each party executing this Amendment on behalf of Developer

and the City hereby represents and warrants, with respect to itself, that the execution and delivery of this Amendment has been authorized by all necessary action of each entity, that the individual executing this Amendment on behalf of any entity has all requisite corporate power and approval to execute this Amendment on behalf of such entity, and that this Amendment constitutes the legal, valid, and binding agreement of each party, enforceable in accordance with its terms.

3.5 Effect of Amendment. To the extent of any conflict between the terms and provisions of this Amendment and any term or provision of the MDA, the terms and provisions of this Amendment shall control.

[signature pages follow]

IN WITNESS WHEREOF, the parties hereto set their respective hands and affixed their seals the day and year indicated below.

WITNESSES AS TO CITY:

Signature
Print Name: Susan M. Bose
Address: 120 E Main St.
Apopka, FL 32703

Signature
Print Name: Jacquelyn Keen
Address: 120 E main St
Apopka, FL 32703

CITY:

CITY OF APOPKA,
a Florida municipal corporation

By: Bryan Nelson
Name: Bryan Nelson
Title: Mayor

STATE OF FLORIDA)
) SS
COUNTY OF ORANGE)

I HEREBY CERTIFY that on this day, before me by means of ☑ physical presence or ☐ online notarization, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, the foregoing instrument was acknowledged before me Bryan Nelson, the Mayor of the City of Apopka, a Florida municipal corporation, freely and voluntarily under authority duly vested in her. She is ☑ personally known to me or ☐ has produced _____ as identification.

WITNESS my hand and official seal in the County and State last aforesaid this ____ day of _____, 2024.

LIDIA A. ALGARIN
Notary Public
State of Florida
Comm# HH572906
Expires 7/17/2028

My Commission Expires:

Lidia A. Algarin
Notary Public, State of Florida

Lidia A. Algarin
Typed, Printed or Stamped Name of Notary Public

IN WITNESS WHEREOF, the parties hereto set their respective hands and affixed their seals the day and year indicated below.

WITNESSES AS TO DEVELOPER:

Signature
Print Name: SOPHIE SCHOTTENSTEIN
Address: 60 14TH ST S SUITE 104
BIRMINGHAM, AL 35233

Signature
Print Name: Andrew Folmar
Address: 60 14th Street South
Suite 104 Birmingham, AL 35233

DEVELOPER:

FLORIDIAN APOPKA PHASE I OWNER, LLC, a Delaware limited liability company

By: HCC-RBNA Floridian Apopka, LLC, a Delaware limited liability company, its Sole Member

By: Apopka Phase I Sponsor, LLC, an Alabama limited liability company, its Manager

By: _____
Name: Robert A. Simon
Title: Manager

STATE OF ALABAMA)
) SS
COUNTY OF Jefferson)

I HEREBY CERTIFY that on this day, before me by means of ☑ physical presence or ☐ online notarization, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, the foregoing instrument was acknowledged before me by Robert A. Simon, the Manager of APOPKA PHASE I SPONSOR, LLC, and Alabama limited liability company, freely and voluntarily under authority duly vested in her. He is ☑ personally known to me or ☐ has produced _____ as identification.

WITNESS my hand and official seal in the County and State last aforesaid this 15 day of August, 2024.

Bella V. Graphos
Notary Public, State of Alabama

Bella V. Graphos
Typed, Printed or Stamped Name of Notary Public

My Commission Expires:
09.06.2027

BELLA V. GRAPHOS NOTARY PUBLIC ALABAMA STATE AT LARGE

IN WITNESS WHEREOF, the parties hereto set their respective hands and affixed their seals the day and year indicated below.

WITNESSES AS TO DEVELOPER:

Signature
Print Name: MATTHEW SMITH
Address: 60 19th St So, Ste. 104
BHAM, AL 35233

Signature
Print Name: Chris Digas
Address: 600 14th street Southe Suite 104
Birmingham AL 35233

DEVELOPER:

FLORIDIAN APOPKA PHASE I OWNER, LLC, a Delaware limited liability company

By: HCC-RBNA Floridian Apopka, LLC, a Delaware limited liability company, its Sole Member

By: Apopka Phase I Sponsor, LLC, an Alabama limited liability company, its Manager

By: _____
Name: James T. Holloway
Title: Manager

STATE OF ALABAMA)
) SS
COUNTY OF Jefferson)

I HEREBY CERTIFY that on this day, before me by means of ☑ physical presence or ☐ online notarization, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, the foregoing instrument was acknowledged before me by James T. Holloway, the Manager of APOPKA PHASE I SPONSOR, LLC, and Alabama limited liability company, freely and voluntarily under authority duly vested in her. He is ☑ personally known to me or ☐ has produced _____ as identification.

WITNESS my hand and official seal in the County and State last aforesaid this 15 day of August, 2024.

Bella V. Graphos
Notary Public, State of Alabama

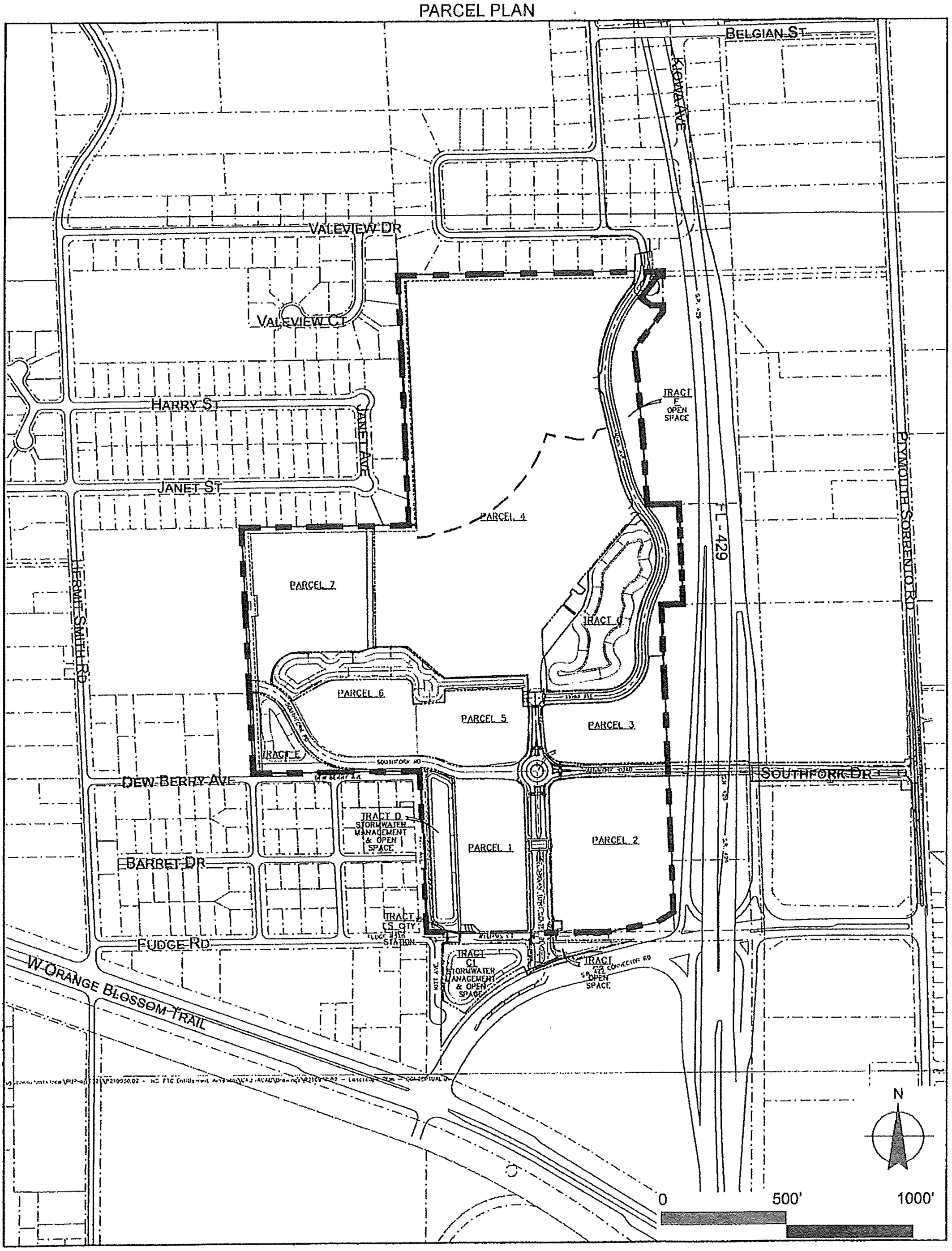
Bella V. Graphos
Typed, Printed or Stamped Name of Notary Public

My Commission Expires:
09.06.2027

BELLA V. GRAPHOS NOTARY PUBLIC ALABAMA STATE AT LARGE

Schedule I

PARCEL PLAN



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

CITY OF APOPKA, FL

03.26.2024

Schedule II

Permitted Parcel Uses

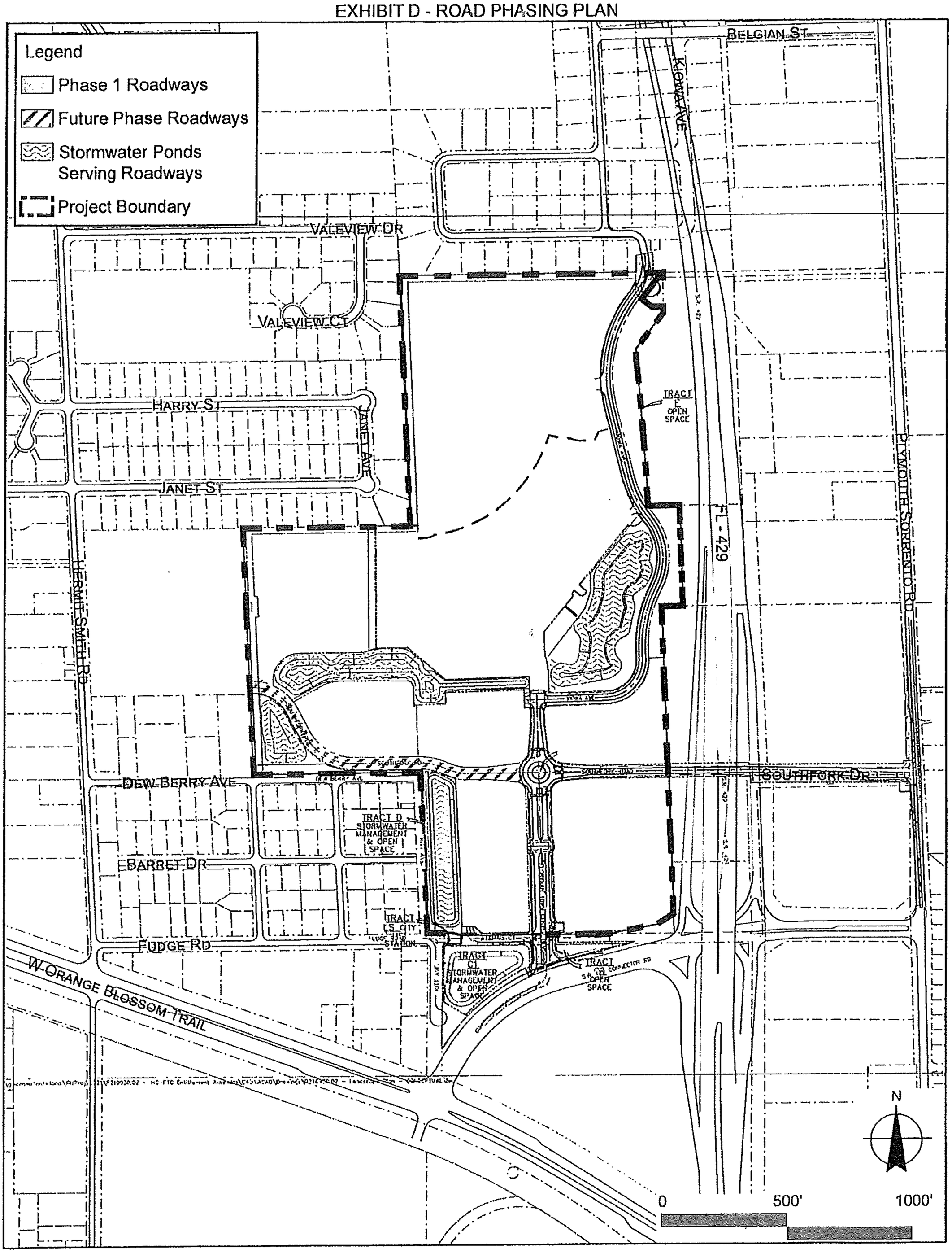
Uses	Parcel						
	1	2	3	4	5	6	7
Multi-Family				Y			
Townhome				Y			
Hotel			Y		Y		
Commercial/Retail	Y	Y	Y		Y	Y	
Professional Office	Y	Y	Y		Y	Y	Y
Medical Office	Y	Y	Y		Y	Y	Y
Self-Service Storage[1]	Y	Y	Y				Y
Parks and Open Space[2]	Y	Y	Y	Y	Y	Y	Y
Indoor Recreation						Y	
Institutional/Civic					Y	Y	

Notes : 1. Only indoor, climate controlled self-service storage shall be permitted. No outdoor self-service storage will be permitted.

2. Parks may include passive or active recreational facilities such as playgrounds, dog parks, sport courts, etc.

Schedule III

EXHIBIT D - ROAD PHASING PLAN



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

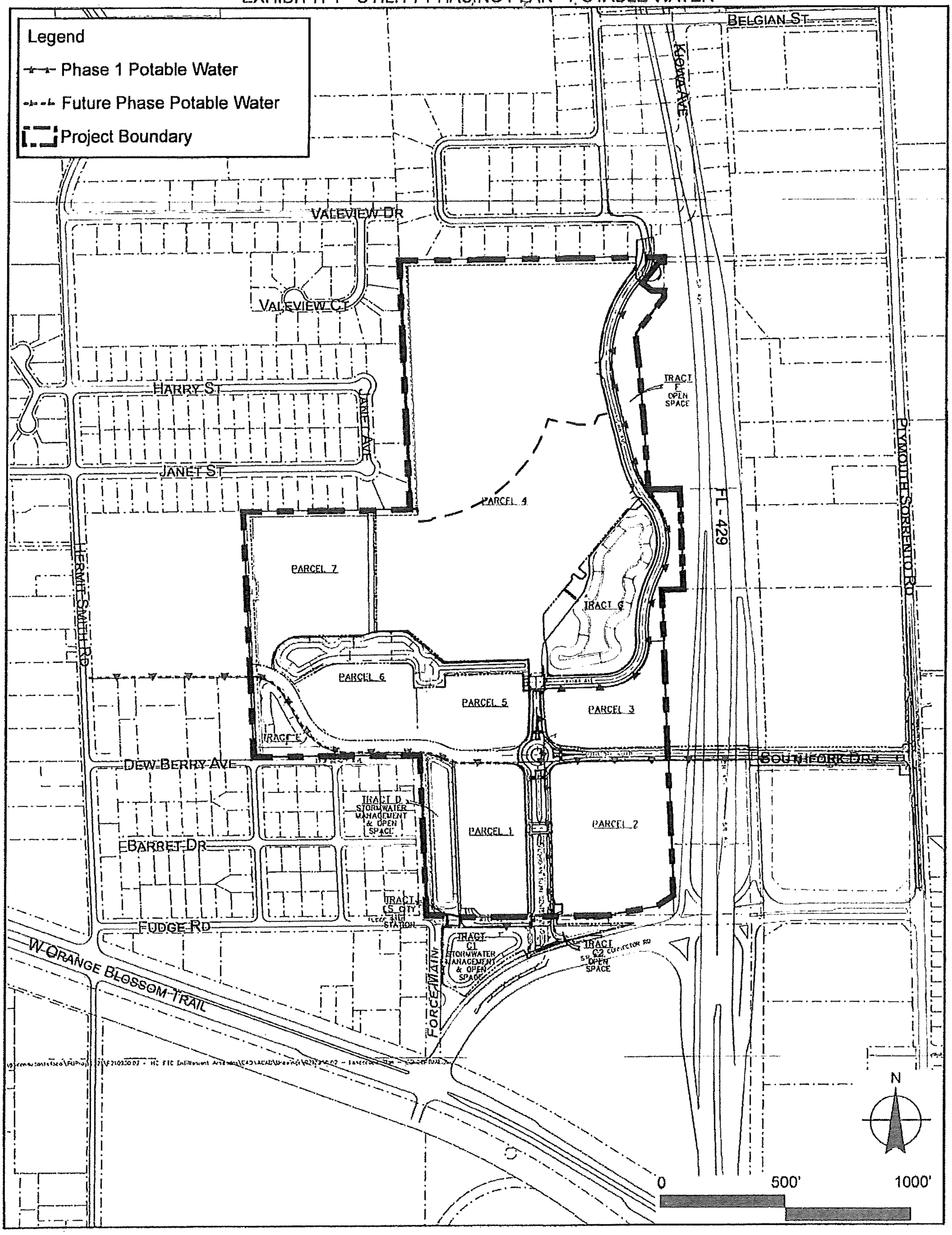
CITY OF APOPKA, FL

EXHIBIT D - ROAD PHASING PLAN

03.26.2024

Schedule IV

EXHIBIT H-1 - UTILITY PHASING PLAN - POTABLE WATER



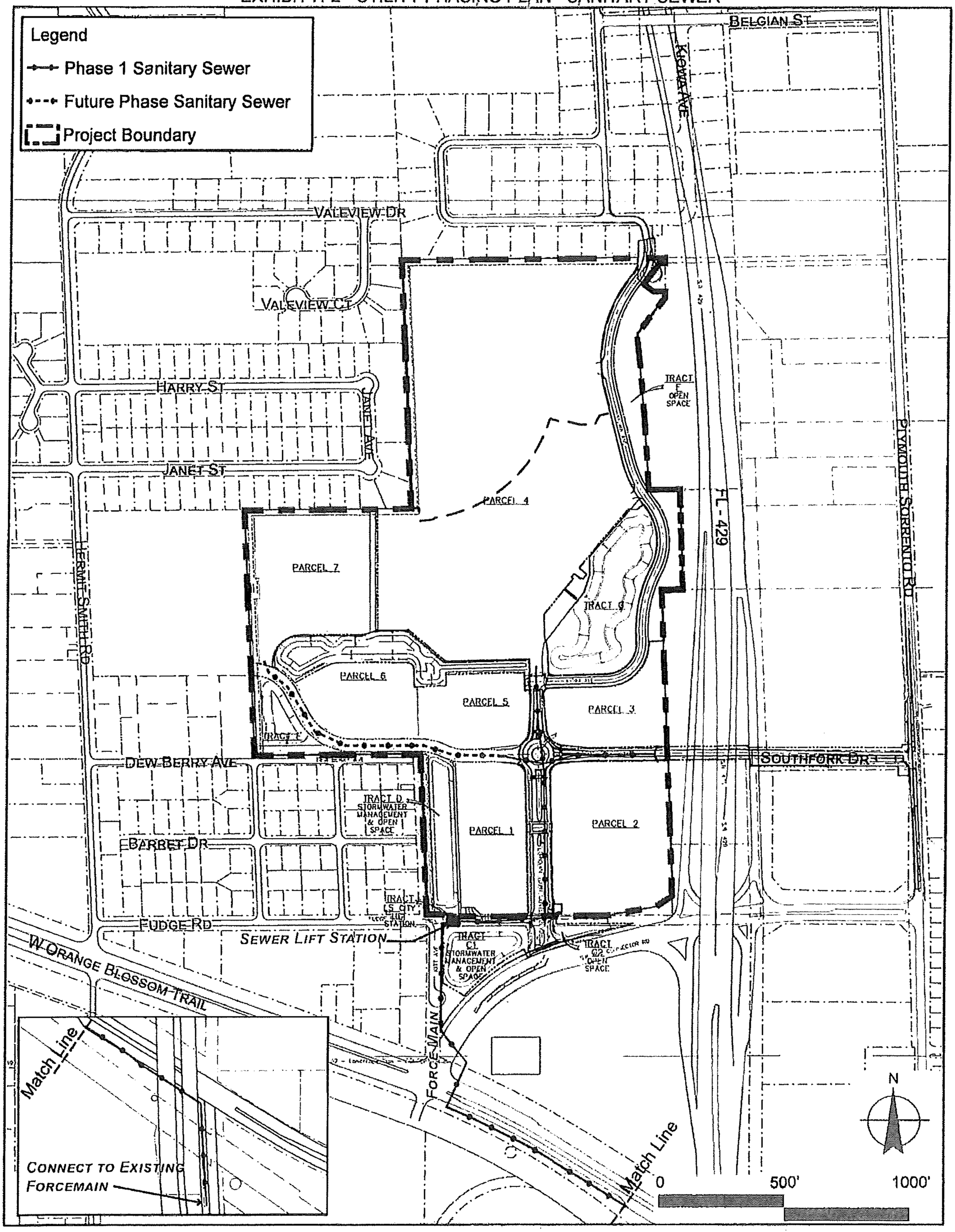
FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

CITY OF APOPKA, FL

EXHIBIT H-1 - UTILITY PHASING PLAN - POTABLE WATER

03.26.2024

EXHIBIT H-2 - UTILITY PHASING PLAN - SANITARY SEWER



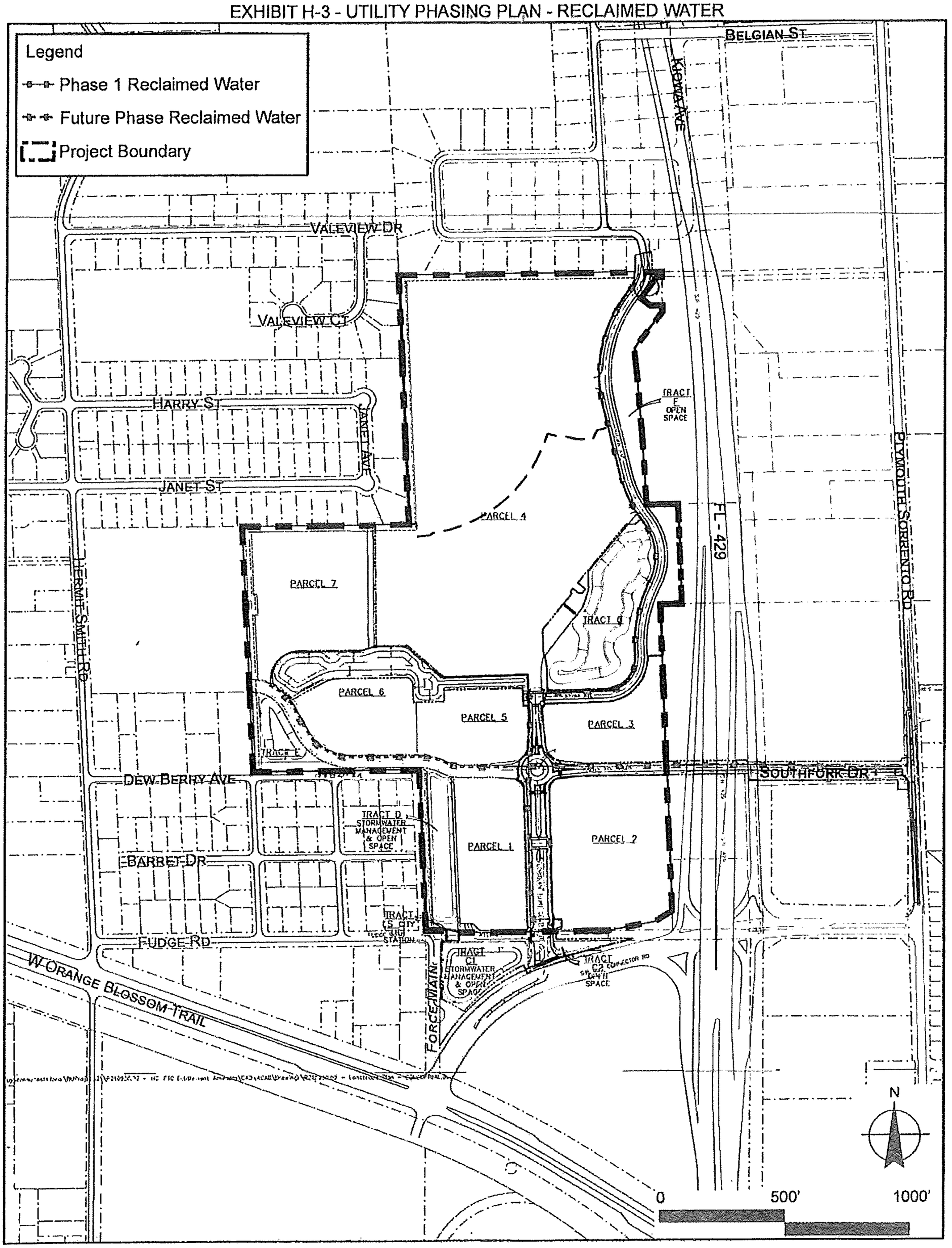
FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

CITY OF APOPKA, FL

EXHIBIT H-2 - UTILITY PHASING PLAN - SANITARY SEWER

03.26.2024

EXHIBIT H-3 - UTILITY PHASING PLAN - RECLAIMED WATER



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

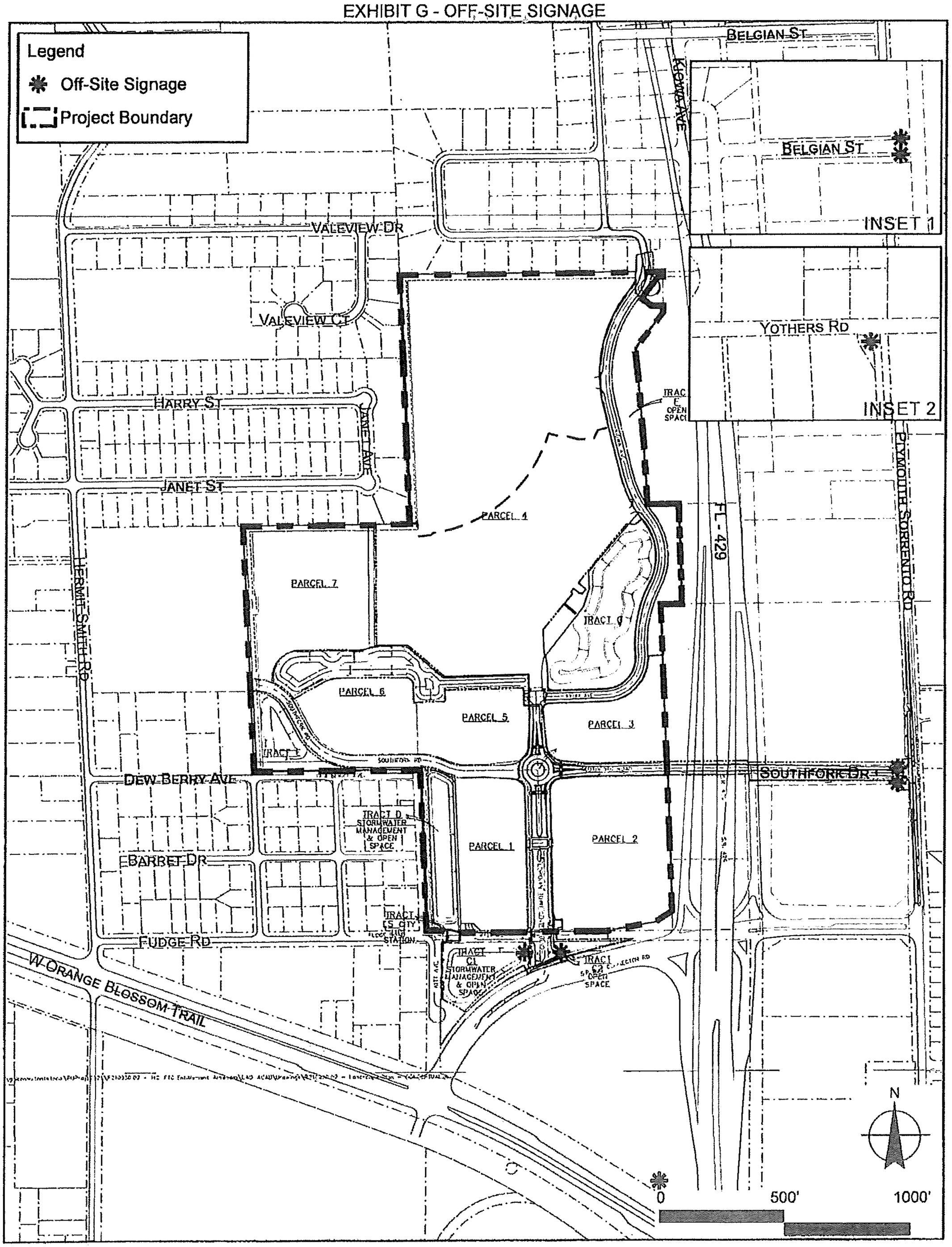
CITY OF APOPKA, FL

EXHIBIT H-3 - UTILITY PHASING PLAN - RECLAIMED WATER

03.26.2024

Schedule V

EXHIBIT G - OFF-SITE SIGNAGE



FLORIDIAN TOWN CENTER DEVELOPMENT AGREEMENT

CITY OF APOPKA, FL

EXHIBIT G - OFF-SITE SIGNAGE

03.26.2024

120 E. Main St. · APOPKA, FLORIDA 32703-5346
PHONE (407) 703-1700

August 13, 2024

Orange County Comptroller
Attn: Official Records
PO Box 38
Orlando, FL 32802

RE: Recording of Documents – Orange County Public Records

Dear Clerk:

Please find the enclosed document for recording.

Amendment to Master Development Agreement – Floridian Town Center

Please charge to: City of Apopka City Clerk's Office (2561) ACH account

If you have any questions, please call me at 407-703-1704.

Sincerely,

Susan M. Bone, CMC
City Clerk

Enclosure: **Amendment to Master Development Agreement – Floridian Town Center**

DOC # 20240521955
09/09/2024 09:16:33 AM Page 1 of 1
Phil Diamond, Comptroller
Orange County, FL

DOC# 20220485313
08/09/2022 07:52:28 AM Page 1 of 14
Rec Fee: $120.50
Deed Doc Tax: $0.00
DOR Admin Fee: $0.00
Intangible Tax: $0.00
Mortgage Stamp: $0.00
Phil Diamond, Comptroller
Orange County, FL
MB - Ret To: CITY OF APOPKA CITY CLERK

THIS DOCUMENT PREPARED BY
AND RETURN TO:

Ryan P. Finnegan, Esq.
The Collier Companies
220 N. Main Street
Gainesville, FL 32601

TRANSPORTATION IMPACT FEE CREDIT AGREEMENT (FLORIDIAN TOWN CENTER)

THIS TRANSPORTATION IMPACT FEE CREDIT AGREEMENT (hereinafter, the "**Agreement**") is entered into this 25th day of August, 2021 (the "**Effective Date**") by and between the **City of Apopka**, a Florida municipal corporation organized and existing pursuant to the laws of the State of Florida with an address of 120 East Main Street, Apopka, Florida 32703 (hereinafter, the "**City**") and **Collier Benge Land Joint Venture, LLC**, a Florida limited liability company with an address of 220 N. Main Street, Gainesville, FL 32601 (hereinafter, the "**Developer**").

WITNESSETH:

WHEREAS, Developer is the owner of real property in the City of Apopka, Orange County, Florida consisting approximately of 73.87 acres and generally located west of Florida State Road 429 and north of U.S. 441/Orange Blossom Trail, as more particularly described in **Exhibit "A"** attached hereto and incorporated herein (hereinafter, the "**Property**"); and

WHEREAS, Developer intends to develop the Property as Floridian Town Center, a City-approved Planned Development (hereinafter, the "**Project**"); and

WHEREAS, in conjunction with the Development of the Project, Developer will design and construct certain public transportation improvements ("**Transportation Improvements**") as shown on **Exhibit "B"** attached hereto and incorporated herein; and City services easement lying adjacent to the Transportation Improvements to be granted to the City by Developer for stormwater, sidewalks, and general utilities (the "**Service Easement**") (the Transportation Improvements and Service Easement, collectively, the "**Right-of-Way**");

WHEREAS, the Transportation Improvements will consist of the construction of and/or improvement to Kiowa Avenue, Town Center Boulevard, South Fork Drive, SR 429 Connector Road, and Plymouth Sorrento Road and connection to Yothers Road (should additional parcels be incorporated into the PD for Floridian Town Center necessitating such connection), with attendant improvements including all site work (cut, fill, and stabilization), stormwater management, curbs and gutters, pavement, contribution of land and such Land Development Code minimum landscaping improvements along the Right-of-Way as would be required for delivery of a

completed Transportation Improvement, which are non-site related improvements to the road network, or on-site or site adjacent arterial roads that are not attributable to traffic generated by the Project; and

WHEREAS, Chapter 22 of the Code of Ordinances of the City of Apopka (hereinafter, the "**Transportation Impact Fee Ordinance**") provides developers may propose to enter into impact fee agreement with the City to permit or recognize the cost of construction of specific improvements to the road network as a credit against the applicable transportation impact fees; and

WHEREAS, the Transportation Impact Fee Ordinance provides that such credits shall be an amount equal to the costs of non-site related transportation improvements to the road network including onsite and adjacent arterial roads and major collectors that are not attributable to the traffic generated by the Project; and

WHEREAS, the Transportation Impact Fee Ordinance further provides that credits are available for the contribution of land, money, or services for non-site related transportation improvements to the major road network including on-site and site adjacent arterial roads and major collectors; and

WHEREAS, the Transportation Impact Fee Ordinance further provides that credits are available for the cost of land for non-site-related roadway improvements previously contributed, paid for or committed to by the applicant or his predecessor in interest as a condition of any development permit issued by the city, including on-site and adjacent arterial roads and major collectors; and

WHEREAS, the Developer and the City wish to delineate and confirm the transportation impact fee credits due for the dedication of land for the Transportation Improvements and for the construction and/or funding of the Transportation Improvements related to the Project (hereinafter "**Transportation Impact Fee Credits**" or "**Credits**");

NOW, THEREFORE, in consideration of the mutual promises set forth in this Agreement and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Developer and City agree as follows:

AGREEMENT

1. Recitals. The Recitals set forth in the preamble to this Agreement are true and correct and are incorporated herein by this reference as if fully set out below.

2. Transportation Improvements. Developer is solely responsible for the design, permitting, and construction of the Transportation Improvements. Developer shall ensure that said design and construction occurs consistent with all applicable laws, rules, and regulations, including standards developed by the Florida Department of Transportation in accordance with Section

336.045, *Florida Statutes*. Developer shall have ten (10) years from the Effective Date of this Agreement to construct the Transportation Improvements or will lose the right to apply for Credits.

a. Acceptance by the City. Upon completion of the Transportation Improvements, the Developer may request in writing that the City conduct an inspection for the purposes of accepting the Transportation Improvements for ownership and maintenance (**"Developer's Notice"**). Upon completion of its inspection, the City shall notify the Developer of its determination in writing within thirty (30) days of Developer's Notice to the City. If the City determines that all work has been completed in conformance with the permitted construction plans and any other applicable construction, permitting, or engineering requirements, the City may notify Developer in writing of its intent to accept the Transportation Improvements for ownership and maintenance. Upon receipt of the City's written notification, Developer shall cause its contractor(s) to submit a final completion certification of the Transportation Improvements. This certification shall be accompanied by the As-Built drawings as well as any necessary warranties, waivers and releases from contractors, subcontractors, and suppliers, test certifications, operation manuals and documentation of approval of the construction by governmental authorities having jurisdiction other than the City, if any. Upon the City's review of the certification and supporting documents, the City shall notify the Developer in writing of its acceptance or denial of the Transportation Improvements for ownership and maintenance. As a condition of the City's acceptance of the Transportation Improvements, the Developer shall: (i) dedicate or convey the Transportation Improvements to the City; (ii) dedicate or convey to the City the Road Right-of-Way; and (iii) grant to the City the Service Easements The Right-of-Way shall be conveyed to the City, by standard fee simple deed with respect to the Road Right-of-Way, and by standard City easement with respect to the easement, all conveyances warranting marketable title and being free and clear of any and all liens, encumbrances, or mortgages, within ten (10) days of the City's acceptance of the Transportation Improvements for ownership and maintenance.

b. Warranty. Upon the City's acceptance of the Transportation Improvements, Developer shall obtain from its contractor(s) for the Transportation Improvements a one-year warranty (in a form reasonably acceptable to the City) on the materials and work performed. The City shall be named as an additional beneficiary on the warranty. The commencement date of the warranty shall be the date upon which the Transportation Improvements are accepted by the City in subparagraph (a) above, unless otherwise agreed to by the parties.

3. Transportation Impact Fee Credits for Improvements. In consideration of Developer's conveyance, at no cost to the City, of the Transportation Improvements, which is more than what will be attributable to traffic generated by the Project, the City agrees to award to Developer Transportation Impact Fee Credits in an amount equal to one hundred percent (100%) of all costs incurred for the design, engineering, permitting, environmental mitigation (if any), procurement of land, and construction of the Transportation Improvements consistent with the depiction of the Transportation Improvements in the attached **Exhibit "B."** The Impact Fee Credits received by Developer shall be limited to the amounts Utility Impact Fees generated

by the new construction within the Floridian Town Center and paid by any Developer, operator or other Contract Purchaser to the City of Apopka. The initial area of Impact Fee Credits is defined on **Exhibit "B."**, however this area may be expanded by the Developer if any contiguous land parcels are added to the Floridian Town Center. Any improvements that are identified in the City of Apopka CIP program shall be eligible to be credited to the improvements constructed by Developer and shall be paid as soon as the CIP funds for that improvement are released by the City of Apopka.

4. Existing Impact Fee Credits. Developer shall receive credit for the impact fees paid or vested in the previous use on the Property. Attached hereto as **Exhibit "C"** is an identification of Parcel IDs with structures that may have existing impact fees that will be credited to Developer.

5. Impact Fee Credit and Reimbursement. The Developer may apply for a credit and/or reimbursement from the City based upon a percentage of work completed by delivering to the City a certification by a third party licensed Professional Engineer indicating the percentage of work completed, through the date of the certification, which credit and/or reimbursement shall be available to Developer upon inspection, approval, and acceptance by the City. The Developer shall pay transportation impact fees pursuant to Transportation Impact Fee Ordinance until the City's first approval of a portion of the credit entitlement under this Agreement. During construction, such transportation impact fee credit shall accrue, and or reimbursement paid to the Developer in an amount equal to 100% of the costs associated with shall be available for approval and acceptance by the City.

6. Utility Infrastructure Upgrades as Transportation Improvements. Any installation and/or construction of utility infrastructure that is needed for Transportation Improvements that is a benefit to the Project and minimizes the future expense of utility infrastructure construction, which is not otherwise eligible for impact fee credit under the Utility Impact Fee Credit Agreement can be pursued for Credits under this Agreement. Notwithstanding the foregoing, Developer shall not be entitled to Credits for the same item of work under both the Utility Impact Fee Credit Agreement and this Agreement.

7. Assignment of Transportation Impact Fee Credits by Developer. The Transportation Impact Fee Credits shall be fully transferrable and assignable by Developer in accordance with this Section 7. An assignment of Transportation Impact Fee Credits can only be assigned once, not including any collateral assignments in favor of a bank, a community development district created pursuant to Chapter 190, *Florida Statutes*, or other unit of local special purpose government.

8. City Contributions. The City has purchased sections of roadway and/or parcels of land from Central Florida Expressway Authority ("**CFX**"), which will be used in the development of the Project. The funds spent by the City in acquiring the right-of-way from CFX for 1/8th of South Fork Drive and the 429 Connector Road parcel shall not be eligible for Credits to Developer under this Agreement.

9. Financial Accounting. All financial records of Developer pertaining to this Agreement shall be maintained according to generally accepted accounting principles. A separate project shall be created in the accounting records to account for the Transportation Improvements costs. The financial records shall enable ready identification of all Transportation Improvements costs.

10. Subcontracts. Developer shall be responsible for all work performed and all expenses incurred in connection with the Transportation Improvements. It is understood by the Developer that the City will not be liable to the subcontractor(s) for any expenses or liabilities incurred under any subcontract and that the Developer shall be solely liable to its subcontractor(s).

11. Independent Contractors. Developer, its agents, contractor, subcontractors, or engineers shall perform all activities that are outlined in this Agreement as independent entities and not as agents, employees, or representatives of the City, or their employees or representatives. Nothing herein operates to impose any obligation, responsibility, or liability upon the City with respect to the Transportation Improvements prior to the date of dedication to the City of the Transportation Improvements as contemplated in Section 2(a) of this Agreement.

12. Indemnification. Developer shall indemnify, release, and hold harmless the City , its agents, employees, and elected and appointed officials, from and against all liability, claims, damages, losses, and expenses (including all costs and attorneys' fees), arising out of or relating from this Agreement, and the design, permitting, and construction of the Transportation Improvements, or which are caused in whole or in part, directly or indirectly, by the negligence or willful misconduct of Developer or any of its contractors, subcontractors, or anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable. This provision shall survive the termination of this Agreement but only to the extent of covering acts or omissions occurring prior to the date of dedication of the Transportation Improvements. Nothing in this Agreement operates to waive the City's sovereign immunity or the limits of liability established under § 768.28, *Florida Statutes*.

13. Use and Transfer of Impact Fee Credits. The Credits granted pursuant to this Agreement may be freely transferred to successors and assigns of Developer but only to be used in connection with the development of the Project.

14. Legal Validity. No statements, representations, warranties, either written or oral from whatsoever source arising, except as expressly stated in this Agreement, shall have any legal validity between the parties or be binding upon any of them. The parties acknowledge that this Agreement contains the entire understanding and agreement of the parties. No modifications hereof shall be effective unless made in writing and executed by the parties with the same formalities as this Agreement is executed.

15. Terms. All terms and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto, their respective assigns, successors, legal representatives, heirs, and beneficiaries, as applicable.

16. No Waiver. This Agreement does not, in any way, constitute a waiver of City's rights to approve and/or regulate development of the Property in accordance with the Code of Ordinances of the City of Apopka and any other applicable laws or regulations.

17. Interpretation. The headings contained in this Agreement are for reference purposes only and will not affect in any way the meaning or interpretation of this Agreement.

18. Legal Counsel. All the parties to this Agreement acknowledge that they have had ample opportunity to seek and consult with independent legal counsel prior to executing this Agreement and all parties represent and warrant that they have sought such independent legal advice or counsel or have knowingly or voluntarily waived this right.

19. Negotiation. The parties to this Agreement acknowledge that all terms of this Agreement were negotiated at arm's length and all documents executed in connection herewith were prepared and executed without undue influence exerted by any party. Further, this Agreement was drafted jointly by all parties and no party is entitled to the benefit of any rule of construction with respect to the interpretation of any terms, conditions, or provisions of this Agreement in favor of or against any person or party that drafted this Agreement.

20. Entire Agreement. This Agreement constitutes the entire Agreement between the parties with respect to the specific matters contained herein and supersedes all previous discussions, understandings, and agreements; provided, however, that it does not superseded the Code of Ordinances of the City of Apopka.

21. Release. At such time as the terms, obligations, and conditions of this Agreement have been met, the parties hereto agree to execute a document in recordable form, stating that said terms, obligations, and conditions have been satisfied.

22. Severability. If any term or provision of this Agreement is deemed unenforceable by a court of competent jurisdiction, the remaining terms and provisions shall remain in full force and effect so long as the purpose and the intent of the Agreement may be achieved.

23. Governing Law. This Agreement and the provisions contained herein shall be construed, controlled, and interpreted according to the laws of the State of Florida, and all duly adopted ordinances, regulations, and policies of the City now in effect and those hereinafter adopted. The location for settlement of any and all claims, controversies, or disputes arising out of or relating to any part of this Agreement or any breach hereof shall in be Orange County, Florida.

24. Due Diligence. All parties to this Agreement covenant that they shall immediately commence all reasonable action necessary to fulfill their obligations hereunder and shall diligently pursue the same throughout the existence of this Agreement.

25. Binding Effect. This Agreement, once effective, shall run with the Property described herein and shall be binding upon and enforceable by and against the parties hereto and their beneficiaries, heirs, successors, and assigns.

26. Notices.

a. All notices provided for in this Agreement shall be in writing and delivered to the addresses below:

City:
City of Apopka
120 East Main Street
Apopka, Florida 32703
Attn: _____
Email:_____
Telephone: (407) 703-1712

With a copy to:
_____
_____
_____
Email:_____
Telephone: (__) _____

Developer:
Collier Benge Land Joint Venture, LLC
Attention: Nathan S. Collier
220 N. Main Street
Gainesville, Florida 32601
Email:legal@colliercompanies.com
Telephone (352) 375-2152

and

Collier Benge Land Joint Venture, LLC
Attention: Tony Benge, Jr.
609 East Pine Street
Orlando, Florida 32801
Email:Tony@bengedevelopment.com
Telephone (407) 948-3681

With a copy to:
Ryan P. Finnegan, Esq.
The Collier Companies
220 N. Main Street
Gainesville, FL 32601
Email: ryan.finnegan@colliercompanies.com
Telephone (352) 416-1426

27. Effective Date. This Agreement shall become effective upon its execution by all parties.

IN WITNESS WHEREOF, Developer has caused this instrument to be executed in its name and the City, acting by and through its Mayor and City Council, has caused this instrument to be executed in its name by the Mayor, its seal hereunto affixed and attested by the City Clerk, on the day and year first written above.

Witnesses:

COLLIER BENGE LAND JOINT VENTURE, LLC, a Florida limited liability company

Printed Name: AVA SCHWALBE

By: _____
Name: Tony M. Benge
Title: Manager

Printed Name: _____

STATE OF FLORIDA
COUNTY OF orange

The foregoing instrument was acknowledged before me this 30 day of August, 2021, by Tony Benge, as Manager of Collier Benge Land Joint Venture, LLC, a Florida limited liability company, on behalf of the company. He/she appeared by *(check one)* ☐ physical appearance or ☐ online notarization, and *(check one)* ☐ is personally known to me or ☐ has produced _____ as identification.

August 30, 21

Notary Public State of Florida
Valerie J Beck
My Commission
HH 242174
Exp. 3/17/2026

Print Name: Valerie J Beck
Notary Public
My Commission Expires: 3/17/26
Commission Number: 242174

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

tmpEB91

CITY OF APOPKA

By: Bryan Nelson
Mayor of Apopka

ATTEST: Lisa M Borne
Susan Bone, City Clerk

Approved as to ~~Form~~:
Michael Rodriguez, City Attorney

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 25 day of AUGUST, 2021, by Bryan Nelson, as Mayor of the City of Apopka, Florida, a municipal corporation of the State of Florida, on behalf of the City of Apopka, Florida. He/she appeared by *(check one)* ☑ physical appearance or ☐ online notarization, and *(check one)* ☐ is personally known to me or ☐ has produced _____ as identification.

Victoria D. Parks
Print Name: Victoria D. Parks
Notary Public
My Commission Expires: January 3, 2022
Commission Number: GG 172529

VICTORIA D. PARKS
Commission # GG 172529
Expires January 3, 2022
Bonded Thru Troy Fain Insurance 800-385-7019

tmpEB91

Exhibit "A"

Legal Description of Property

That part of MAP OF PLYMOUTH, according to the plat thereof, as recorded in Plat Book B, Pages 17 and 18, of the Public Records of Orange County, Florida, and that part of Section 36, Township 20 South, Range 27 East, Orange County, Florida, described as follows:

BEGIN at the Southeast corner of Tract G, according to the plat of STANTON RIDGE, as recorded in Plat Book 99, Pages 131 through 134, of the Public Records of Orange County, Florida; thence S89"28'53"W along the South line of said plat of STANTON RIDGE, for a distance of 947.63 feet to the Southwest corner of said plat of STANTON RIDGE and the West line of the Northeast 1 /4 of the Southeast 1 /4 of said Section 36; thence S02"34'31"E along said West line, 993.64 feet to the Northeast corner of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of said Section 36; thence S89"29'29"W along the North line of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, for a distance of 665.02 feet to the Northwest corner of said South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence S02"44'36"E along the West line of said South 1/2 of the Southeast 1/4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36, for a distance of 298.07 feet to the North line of the South 1 /2 acre of said South 1 /2 of the Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence departing said West line run N89"30'13"E along said North line, 12.01 feet to the East line of the Western 12.00 feet of said South 1/2 acre of the South 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36; thence departing said North line run S02"44'36"E along said East line, 32.82 feet to the South line of said Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence departing said East line run S89"30'13"W along said South line, 12.01 feet to the Southwest corner of said Southeast 1 /4 of the Northwest 1 /4 of the Southeast 1 /4 of Section 36; thence S02"44'36"E along the West line of the Northeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of said Section 36, for a distance of 651. 78 feet to the North line of lands described in Official Records Book 4175, Page 4995, of the Public Records of Orange County, Florida; thence departing said West line run N89"31'43"E along said North line and the North line of lands described in Official Records Book 4184, Page 3110, of the Public Records of Orange County, Florida, for a distance 662.15 feet to the West line of the Southeast 1 /4 of the Southeast 1 /4 of said Section 36; thence departing said North line run so2•34'31"E along said West line, 641.99 feet to the North line of lands described in Official Records Book 2987, Page 1787, of the Public Records of Orange County, Florida; thence departing said West line run N89"33'13"E along said North line and the North line of lands described in Official Records Book 9852, Page 5231, of the Public Records of Orange County, Florida, 92.05 feet; thence S76"32'30"E along said North line of lands described in Official Records Book 9852, Page 5231, for a distance of 41.61 feet to the North right-of-way line of Fudge Road, platted as Lake Street, according to the aforesaid plat of MAP OF PLYMOUTH; thence departing said North line run N89"33'13"E along said North right-of-way line, 592.78 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 9852, Page 6076, of the Public Records of Orange County, Florida; thence departing said North right-of way line run N79"37'51 "E along said Westerly limited access right-of-way line, 200.23 feet; thence N56"40'34"E along said Westerly limited access right-of-way line, 78.30 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book

9964, Page 3691, of the Public Records of Orange County, Florida; thence N02"19'28"W along said Westerly limited access right-of-way line, 545.26 feet to the Northwest corner of Lot 8, Block P, according to said plat of MAP OF PLYMOUTH; thence N05"53'47'W along the Westerly limited access right-of-way line according to Central Florida Expressway Authority Right-of-way Map CFX Project Number 429-202, for a distance of 40.18 feet to the Southwest corner of Lot 1, Block P, according to said plat of MAP OF PLYMOUTH and the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10808, Page 4332, of the Public Records of Orange County, Florida; thence N02"20'29"W along said Westerly limited access right-of-way line, 642.86 feet; thence N89"29'17"E along said Westerly limited access right-of-way line, 84.79 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10764, Page 480, of the Public Records of Orange County, Florida and a non-tangent curve concave Westerly having a radius of 11294.16 feet and a chord bearing of N02"02'26"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 02"01'48" for a distance of 400.16 feet to the Westerly limited access right-of-way line of State Road Number 429, as described in Official Records Book 10705, Page 4582, of the Public Records of Orange County, Florida and as described in Official Records Book 10705, Page 6080, of the Public Records of Orange County, Florida and a non-tangent line; thence S89"29'17"W along said Westerly limited access right-of-way line, 125.14 feet to a non-tangent curve concave Westerly having a radius of 11169.16 feet and a chord bearing of N04"40' 48"W; thence Northerly along said Westerly limited access right-of-way line and the arc of said curve through a central angle of 03"11 '30" for a distance of 622.17 feet to a non-tangent line; thence N37"22'01"E along said Westerly limited access right-of-way line, 182.75 feet; thence N00"27'45"W along said Westerly limited access right-of-way line, 24.71 feet to the Southeast corner of the aforesaid plat of STANTON RIDGE; thence departing said Westerly limited access right-of-way line run the following courses and distances along the aforesaid South line of the plat of STANTON RIDGE: S89"31'59"W, 46.62 feet; N52"36'26"W, 79.53 feet; N00"31'22"W, 85.34 feet to the POINT OF BEGINNING. This description is based on Florida State Plane Coordinate System East Zone, scale factor of 0.99997293, NAD 83 Datum (2011 adjustment) and all distances are grid dimensions.

Exhibit "B"

Depiction of Transportation Improvements

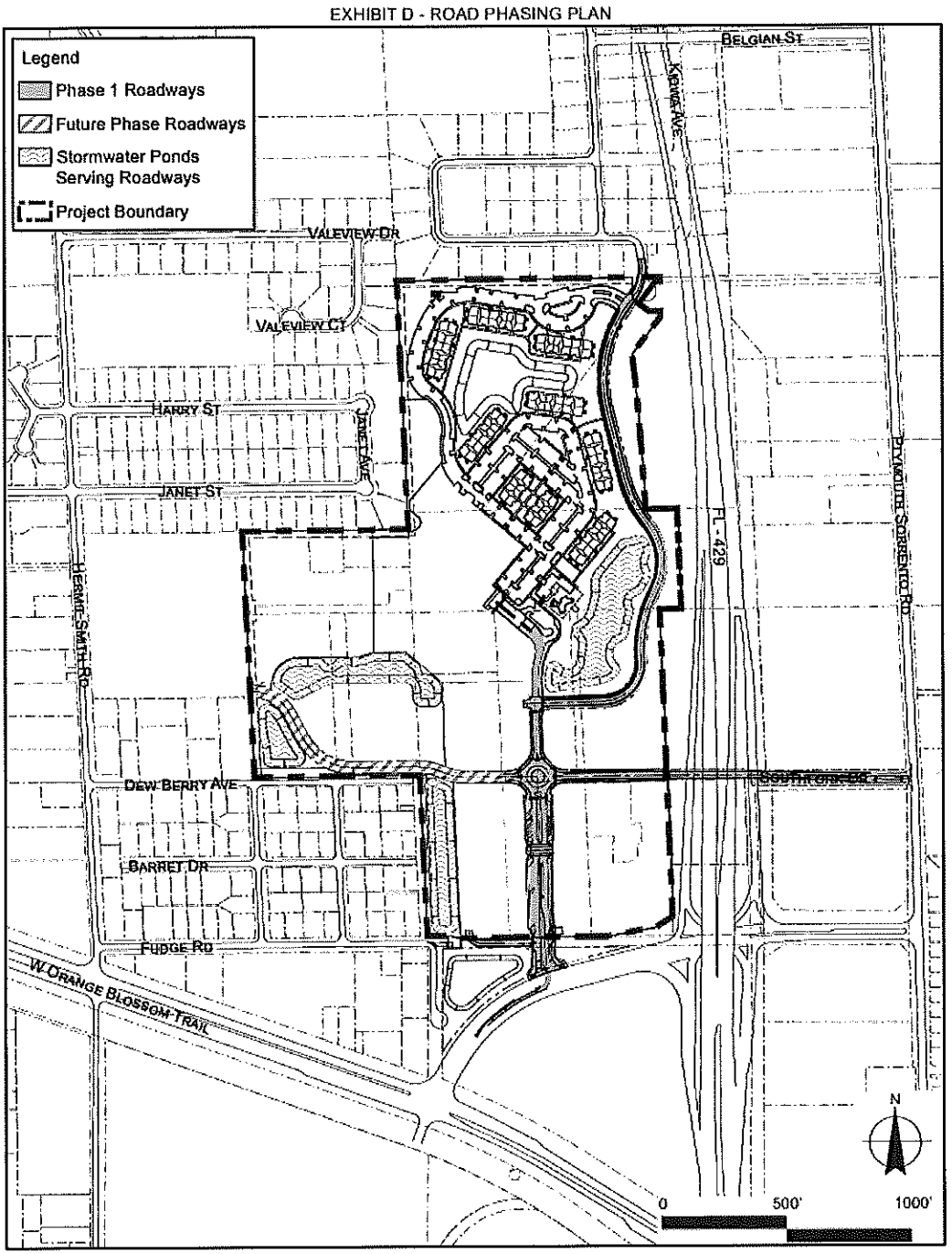


Exhibit "C"

Existing Structures Eligible for Impact Fees Credit

Former Owner	Parcel ID Number	Street Address	Existing Structure	Units
Hatcher	36-20-27-0000-00-093	1430 Plymouth Sorrento Road	Single Family Residence	1
Henderson	36-20-27-0000-00-075	1374 Plymouth Sorrento Road	Single Family Residence	1
Hurt 1	36-20-27-0000-00-048	1248 Hermit Smith Road	Modular Home	1
Hurt 2	36-20-27-0000-00-074	-- Hermit Smith Road	Modular Home	1
Jackson	36-20-27-0000-00-068	-- Hermit Smith Road	Vacant Land	--
Eugene Williams	36-20-27-0000-00-066	1289 Hermit Smith Road	Single Family Residence	1
Holt	36-20-27-0000-00-052	3161 Southfork Drive	Single Family Residence	1
Williams Family Trust	36-20-27-0000-00-047	3205 Dew Berry Avenue	Single Family Residence	6
			Church	1
Bain 1	36-20-27-0000-00--085	3225 Dew Berry Avenue	Modular Home	1
Bain 2	36-20-27-0000-00-083	3321 Dew Berry Avenue	Modular Home	3
Jensen	06-21-28-7172-16-040	3201 Southfork Drive	Single Family Residence	1
Guy	06-21-28-7172-16-030	3173 Southfork Drive	Single Family Residence	1
			Stables	1
Jones	06-21-28-7172-16-020	3075 Southfork Drive	Single Family Residence	1
Lu	06-21-28-7172-16-051	3189 Fudge Road	Vacant Land	--
Welker	06-21-28-7172-16-050	3200 Fudge Road	Single Family Residence	1
Wilson	06-21-28-7172-16-060	3162 Southfork Drive	Single Family Residence	1
Wilson	06-21-28-7172-16-070	3076 Southfork Drive	Single Family Residence	1
Southfork Dr. W	06-21-28-7172-05-002	-- Southfork Drive	Unpaved Road	--
Southfork Dr. E	06-21-28-7172-04-062	1118 Plymouth Sorrento Road	Unpaved Road	--

120 E. Main St. · APOPKA, FLORIDA 32703-5346
PHONE (407) 703-1700

DOC # 20220485313
08/09/2022 07:52:28 AM Page 1 of 1
Phil Diamond, Comptroller
Orange County, FL

August 8, 2022

Orange County Comptroller
Attn: Official Records
PO Box 38
Orlando, FL 32802

RE: Recording of Documents – Orange County Public Records

Dear Clerk:

Please find the enclosed document for recording.

FLORIDIAN – TRANSPORTATION IMPACT FEE AGREEMENT

Please charge to: City of Apopka City Clerk's Office (2561) ACH account

If you have any questions, please call me at 407-703-1704.

Sincerely,

Susan M. Bone, CMC
City Clerk

FLORIDIAN – TRANSPORTATION IMPACT FEE AGREEMENT

FLORIDIAN TOWN CENTER
Project № 18131.2
January 2021

TRAFFIC IMPACT ANALYSIS
CITY OF APOPKA
FLORIDA

Prepared by:

Traffic & Mobility Consultants
3101 Maguire Boulevard, Suite 265
Orlando, Florida 32803
www.trafficmobility.com
(407) 531-5332

Prepared for:

Benge Development Corporation
1157 Tom Gurney Drive
Winter Park, Florida 32789

EXECUTIVE SUMMARY

Project Information

Name:	Floridian Town Center
Location:	Northwest corner of SR 429 and the SR 429 Connector Road
Jurisdiction:	City of Apopka, Florida
Description:	504 dwelling unit apartment complex, 120 room hotel, 25,000 square foot medical office space, 160,000 square foot retail/commercial space, 55,000 square foot supermarket, 160 bed assisted living facility, and a 20,000 square foot recreational community center
Buildout Year:	2024
Access:	Directional access driveway on SR 429 Connector Road (Main Entrance), a full access driveway on Plymouth Sorrento Road via Southfork Drive, and a full access driveway via Yothers Road.

Findings

Trip Generation:	12,415 New Daily Trips / 571 AM Peak Hour Trips / 985 AM Peak Hour Trips.
Roadway Capacity:	All study segments currently operate within their adopted capacities and are projected to do so at buildout.
Intersection Capacity:	All study intersections currently operate at acceptable level of service (LOS) and are projected to do so at buildout.
Access:	Site access driveways are projected to operate at acceptable LOS at buildout.

Recommendations

Access Treatment: It is recommended to provide a 145-foot right turn lane and a 235-foot left turn lane at the project access driveway on SR 429 Connector Road.

It is recommended to provide a 240-foot right turn lane and a 265-foot left turn lane at the project access driveway on Plymouth Sorrento Road via Southfork Drive. The timing of this improvement will correspond with the internal roadway connection to Southfork as depicted in the Development Master Plan.

PROFESSIONAL ENGINEERING CERTIFICATION

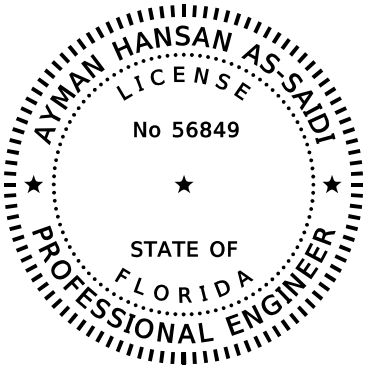
I hereby certify that I am a Professional Engineer properly registered in the State of Florida practicing with Traffic & Mobility Consultants LLC, a corporation authorized to operate as an engineering business, CA-30024, by the State of Florida Department of Professional Regulation, Board of Professional Engineers, and that I have prepared or approved the evaluations, findings, opinions, conclusions, or technical advice attached hereto for:

PROJECT: Floridian Town Center

LOCATION: City of Apopka, Florida

CLIENT: Benge Development Corporation

I hereby acknowledge that the procedures and references used to develop the results contained in these computations are standard to the professional practice of Transportation Engineering as applied through professional judgment and experience.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

AYMAN H AS-SAIDI

2021.02.03 13:03:37 -05'00'

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TRAFFIC & MOBILITY CONSULTANTS LLC
3101 MAGUIRE BOULEVARD, SUITE 265
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION CA-30024
AYMAN H. AS-SAIDI, P.E. NO 56849

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Appendix B TIA Methodology
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Appendix D Traffic Counts & FDOT Seasonal Factors
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1.0 INTRODUCTION

This traffic analysis was performed to assess the impact of the proposed Floridian Town Center development located in the northwest corner of SR 429 and the SR 429 Connector Road in the City of Apopka, Florida. The development consists of a 504 dwelling unit apartment complex, a 120-room hotel, 25,000 square foot medical office space, 160,000 square foot retail/commercial space, a 55,000 square foot supermarket, a 160-bed assisted living facility, and a 20,000 square foot recreational community center, with a proposed full buildout of the year 2024. **Figure 1** depicts the location of the project site and the surrounding roadway network. Access to the site is proposed via a directional access driveway on SR 429 Connector Road (Main Entrance), a full access driveway via Southfork Drive, and a full access driveway via Yothers Road. A preliminary site plan is provided in **Appendix A**.

The following analysis was conducted in accordance with the approved methodology included in **Appendix B**. The analysis considers the project's impacts on the following roadways and intersections within the project's influence area:

Roadway Segments

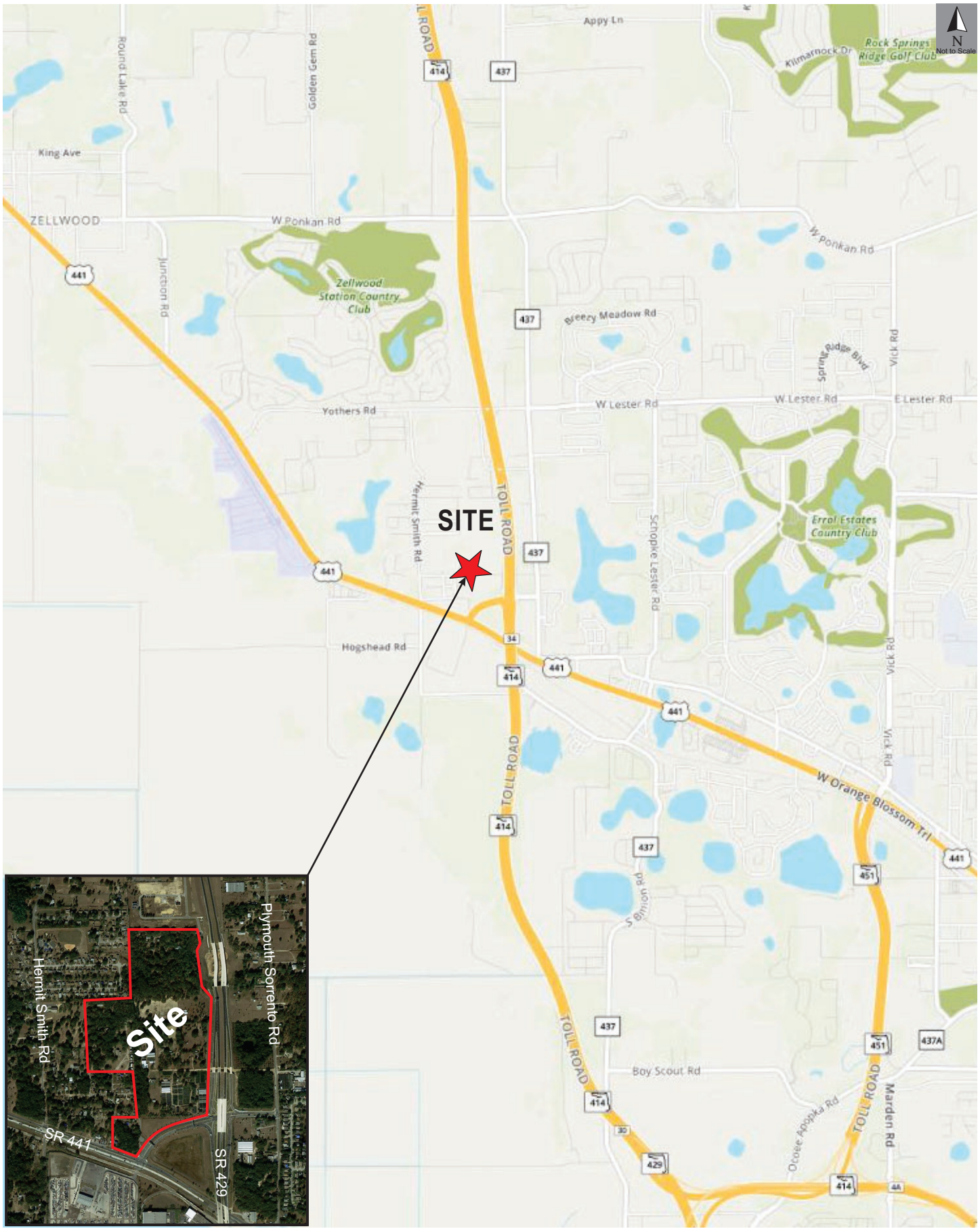
- US 441
  - Yothers Road to SR 429 Connector Road
  - SR 429 Connector Road to Plymouth Sorrento Road
  - Plymouth Sorrento Road to Boy Scout Road

- SR 429 Connector Road
  - US 441 to Plymouth Sorrento Road

- Yothers Road
  - US 441 to Plymouth Sorrento Road

- Lester Road
  - Plymouth Sorrento Road to Schopke Lester Road

- Plymouth Sorrento Road
  - Ponkan Road to Lester Road/Yothers Road
  - Lester Road/Yothers Road to Schopke Road
  - Schopke Road to SR 429 Connector Road
  - SR 429 Connector Road to US 441



Site Location Map
Floridian Town Center
18131.2

Figure
1

Intersections

- Plymouth Sorrento Road & SR 429 Connector Road
- Plymouth Sorrento Road & US 441
- Plymouth Sorrento Road & Yothers Road
- Plymouth Sorrento Road & Southfork Drive (Project Access)
- SR 429 Connector Road and SR 429 Ramps
- US 441 & SR 429 Connector Road
- US 441 & Hermit Smith Road
- US 441 & Orange Avenue
- US 441 & Lakeview Drive/Boy Scout Boulevard
- SR 429 Connector Road and Project Access
- Yothers Road and Project Access

Data used in the analysis consisted of site plan/development information provided by the project engineers, peak hour traffic counts obtained by Traffic & Mobility Consultants LLC (TMC), road segment data obtained from the City of Apopka, and seasonal data obtained from Florida Department of Transportations (FDOT).

2.0 EXISTING CONDITIONS ANALYSIS

2.1 Roadway Segment Capacity

Table 1 presents a summary of the existing conditions for the roadway segments examined in this study. Roadway segments were analyzed by comparing the existing Level of Service (LOS) for each roadway segment with the adopted LOS standard. Existing Daily, PM peak hour directional traffic volumes, capacities, and committed trips were obtained from the *City of Apopka CMS 2019 Daily and PM Peak Hour/Peak Direction Encumbered Traffic Allocation Worksheets*, included in **Appendix C**.

Table 1
Existing Roadway Capacity Analysis

Roadway Segment	No Lns	LOS Std	Daily			PM Peak Hour			
			Capacity	Volume	LOS	Capacity	Volume	Peak Dir	LOS
US 441									
Yothers Road to SR 429 Connector Road	4	D	49,500	37,394	A	2,480	1,765	SB/WB	A
SR 429 Connector Road to Plymouth Sorrento Road	4	D	49,500	25,546	A	2,480	1,181	SB/WB	A
Plymouth Sorrento Road to Boy Scout Road	4	D	49,500	26,060	A	2,480	1,107	SB/WB	A
SR 429 Connector Road									
US 441 to Plymouth Sorrento Road	4	E	39,800	14,245	C	2,000	736	NB/EB	C
Yothers Road									
US 441 to Plymouth Sorrento Road	2	E	14,000	1,959	C	720	95	SB/WB	C
Lester Road									
Plymouth Sorrento Road to Schopke Lester Road	2	E	14,000	4,220	C	720	217	NB/EB	C
Plymouth Sorrento Road									
Ponkan Road to Lester Road/Yothers Road	2	E	17,700	8,066	C	920	481	NB/EB	C
Lester Road/Yothers Road to Schopke Road	2	E	19,000	9,714	C	950	595	NB/EB	C
Schopke Road to SR 429 Connector Road	2	E	19,000	9,714	C	950	595	NB/EB	C
SR 429 Connector Road to US 441	2	E	17,700	6,787	C	880	369	NB/EB	C

Volumes, capacities, and committed trips found from City of Apopka CMS

The existing conditions analysis reveals that all study roadway segments currently operate at satisfactory LOS.

2.2 Intersection Capacity

An intersection analysis was conducted using *Synchro* software and the methods of the *Highway Capacity Manual (HCM), 6th Edition*. The capacity analysis was performed using the existing intersection geometries and traffic volumes during the AM and PM peak hours. Traffic counts were seasonally adjusted using the FDOT *2019 Peak Season Factor. Category Report*. The raw intersection volume counts and seasonal factor data are provided in **Appendix D**. The existing intersection AM and PM peak hour volumes are displayed in **Figure 2** and **Figure 3**, respectively.

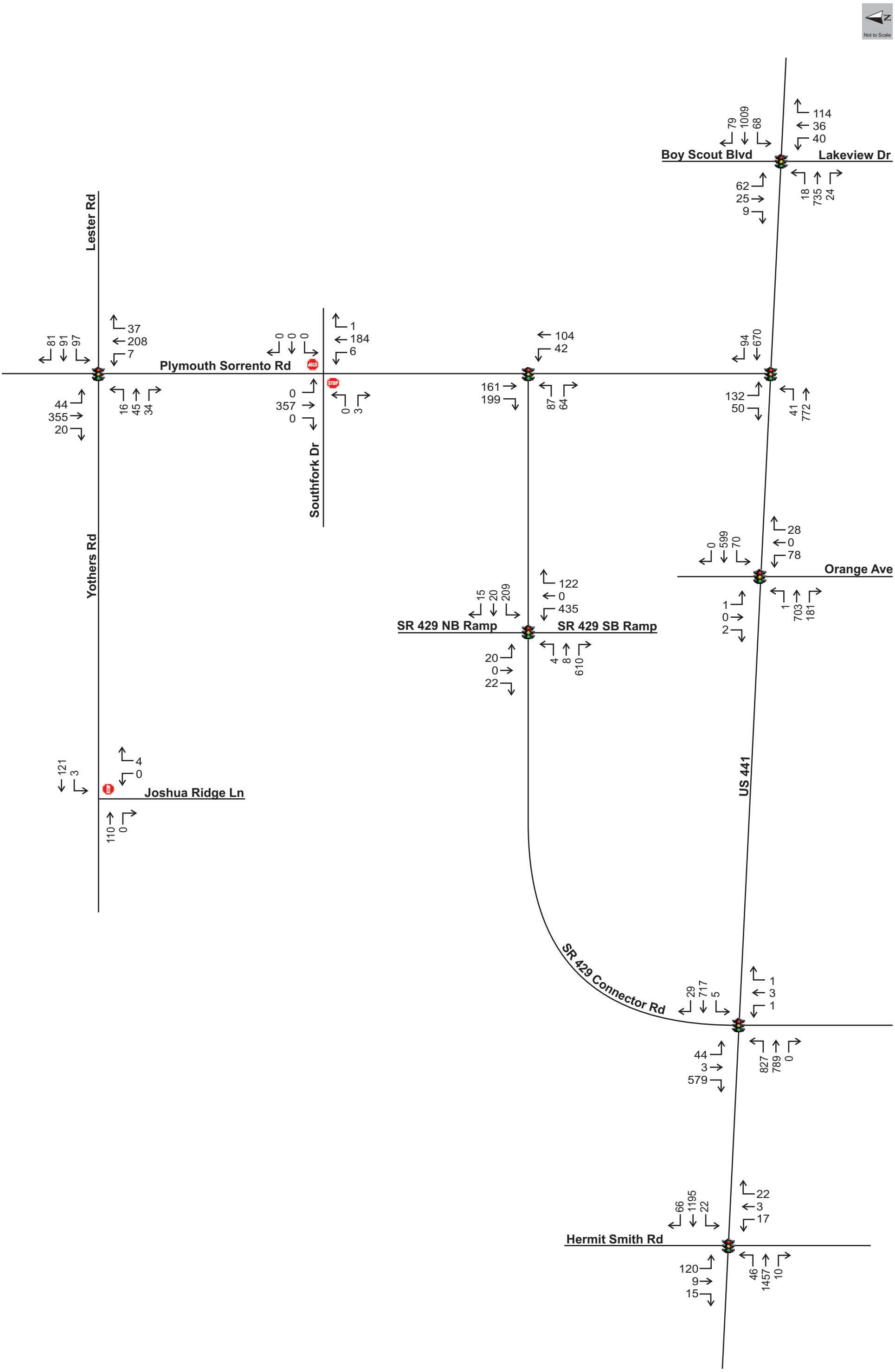
A summary of the intersection capacity analysis is presented in **Table 2**, which indicates that all study intersections currently operate at satisfactory overall LOS. The detailed analysis worksheets and signal timing are included in **Appendix E**.

Table 2
Existing Intersection Capacity Analysis

Intersection	Control	Time Period	EB		WB		NB		SB		Overall	
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Plymouth Sorrento Rd & SR 429 Connector Rd	Signal	AM	20.4	C	-	-	8.6	A	16.2	B	15.5	B
		PM	21.9	C	-	-	9.3	A	15.1	C	14.9	B
Plymouth Sorrento Rd & US 441	Signal	AM	0.5	A	7.8	A	-	-	74.0	E	11.3	B
		PM	1.1	A	10.9	B	-	-	86.8	F	14.0	B
Plymouth Sorrento Rd & Southfork Dr*	Stop	AM	10.5	B	0.0	A	8.1	A	0.0	A	-	-
		PM	9.8	A	0.0	A	7.8	A	0.0	A	-	-
SR 429 Connector Rd & SR 429 Ramps	Signal	AM	22.9	C	25.9	C	23.9	C	29.6	C	24.7	C
		PM	25.6	C	27.0	C	23.4	C	33.9	D	23.8	C
SR 429 Connector Rd & US 441	Signal	AM	27.3	C	40.6	D	>300	F	33.2	C	33.0	C
		PM	27.5	C	3.6	A	>300	F	53.9	D	25.3	C
US 441 & Hermit Smith Rd	Signal	AM	13.7	B	2.5	A	60.9	E	69.0	E	12.2	B
		PM	13.3	B	15.5	B	76.1	E	72.8	E	17.4	B
US 441 & Orange Ave	Signal	AM	0.3	A	0.6	A	71.1	E	62.3	E	5.0	A
		PM	0.6	A	1.0	A	79.0	E	0.0	A	9.2	A
US 441 & Lakeview Dr/Boy Scout Blvd	Signal	AM	5.4	A	3.1	A	63.5	E	60.5	E	11.6	B
		PM	9.1	A	6.3	A	54.6	D	52.7	D	13.4	B
Plymouth Sorrento Rd & Yothers Rd/Lester Rd	Signal	AM	21.7	C	21.9	C	25.8	C	25.2	C	24.2	C
		PM	27.7	C	30.7	C	27.2	C	20.4	C	25.5	C
Yothers Rd & Joshua Ridge Ln	Stop	AM	0.0	A	7.4	A	9.9	A	-	-	-	-
		PM	0.0	A	7.5	A	9.0	A	-	-	-	-

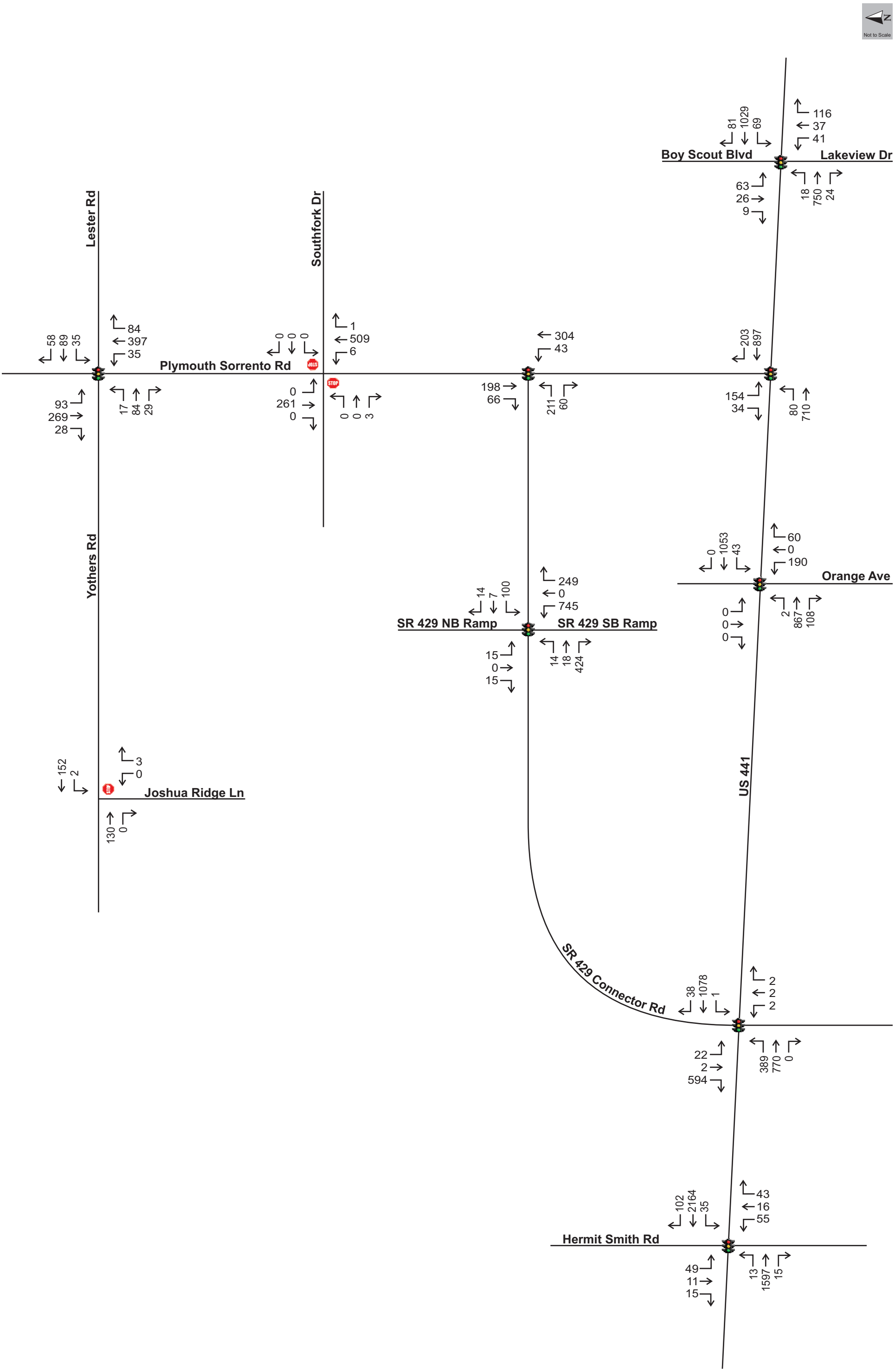
Delay expressed in seconds/vehicle

**Counts were not collected but estimated using ITE trip generation*



Existing AM Peak Intersection Volumes
Floridian Town Center
18131.2

Figure 2



Existing PM Peak Intersection Volumes
Floridian Town Center
18131.2

Figure 3

3.0 PROJECT TRAFFIC

3.1 Trip Generation

The traffic generation of the proposed development was calculated using the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 10th Edition* and *ITE Trip Generation Handbook 3rd Edition*. The trip generation for the project is summarized in **Table 3** and the ITE information sheets, along with the internal capture calculation sheets are provided in **Appendix F**.

Table 3
Trip Generation Analysis

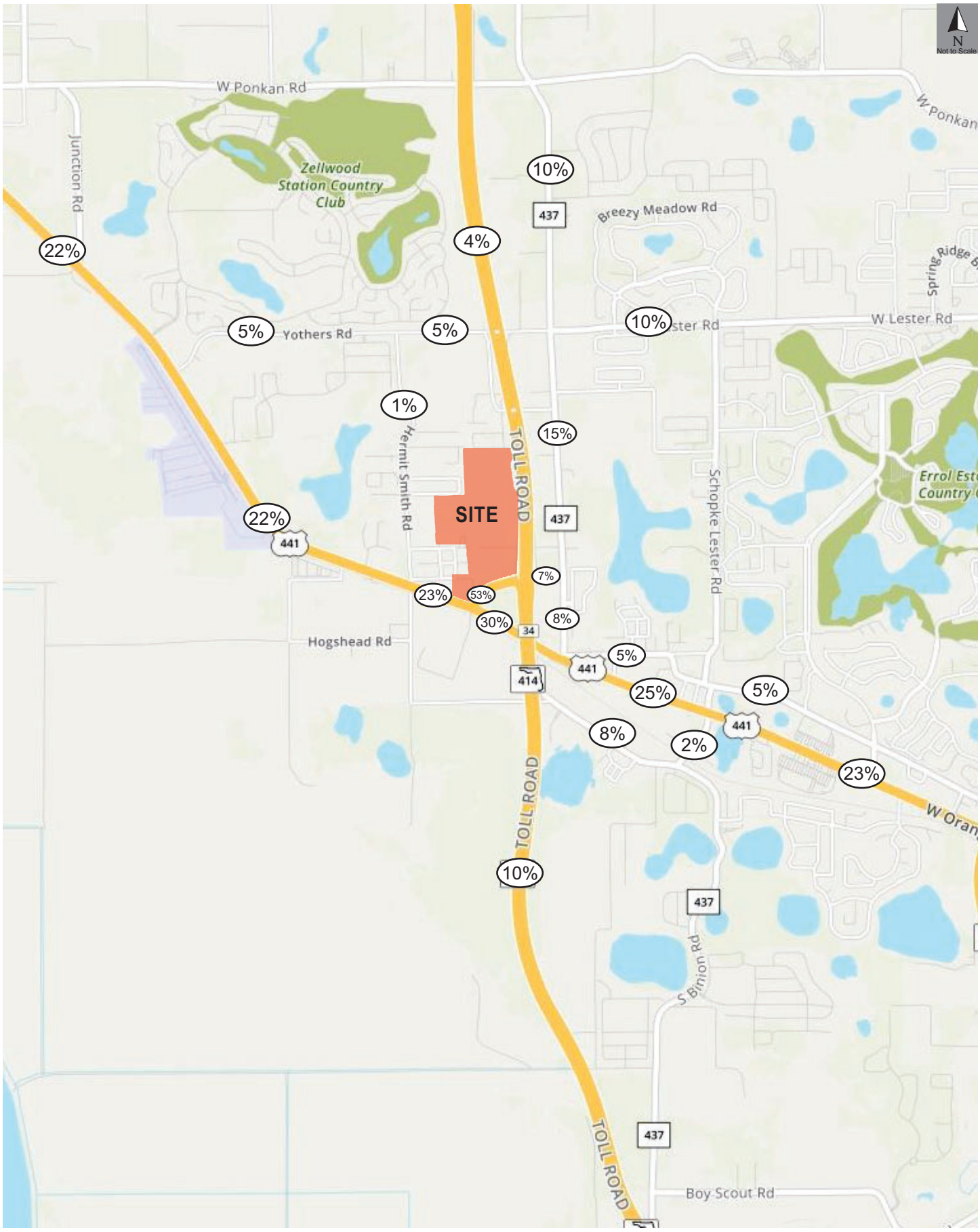
ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
221	Multi-Family Apartments	504 DU	5.45	2,747	0.36	181	47	134	0.44	222	135	87
310	Hotel	120 Rooms	8.36	1,003	0.46	55	32	23	0.53	64	33	31
720	Medical Office	25 KSF	34.92	873	2.6	65	51	14	3.46	87	24	63
820	Retail/Commercial	160 KSF	51.73	8,277	0.94	150	93	57	4.81	770	370	400
850	Supermarket	55 KSF	106.78	5,873	3.82	210	126	84	9.24	508	259	249
254	Assisted Living Facility	160 Beds	2.60	416	0.19	30	19	11	0.26	42	16	26
495	Recreational Community Center	20 KSF	28.82	576	1.76	35	27	8	2.31	46	13	33
	Gross Trip Generation			19,765		726	395	331		1,739	850	889
	Internal Trips			*2,824*		*34*	*19*	*16*		*416*	*203*	*212*
	Net External Trips			16,941		692	376	315		1,323	647	677
	Pass-by Trips (Retail/Commercial)			*2,412*		*49*	*30*	*19*		*199*	*96*	*103*
	Pass-by Trips (Supermarket)			*2,114*		*72*	*43*	*29*		*139*	*71*	*68*
	Net New External Trips			**12,415**		**571**	**303**	**268**		**985**	**479**	**506**

Source: ITE Trip Generation Manual, 10th Edition & Trip Generation Handbook 3rd Edition

The proposed development will generate 12,415 net external trips per day, of which 571 trips occur during the AM peak hour and 985 trips occur during the PM peak hour.

3.2 Trip Distribution/Assignment

To assign the peak hour trips generated by the proposed development to the study roadways, a distribution pattern in the general vicinity of the project site was determined initially based on the *Orlando Urban Area Transportation Study* (OUATS) model, cost feasible 2030, included in **Appendix G.** Manual adjustments were applied to the model generated distribution to better reflect the surrounding transportation network, land uses, and known access routes. The final trip distribution pattern is presented in **Figure 4.**



Project Trip Distribution
Floridian Town Center
18131.2

Figure 4

4.0 PROJECTED CONDITIONS ANALYSIS

The analysis was conducted for the projected background traffic volumes and project trips. Background traffic consists of existing traffic and committed trips (E+C), from approved developments in the area, which were obtained from the *City of Apopka CMS 2019 Daily and PM Peak Hour/Peak Direction Encumbered Traffic Allocation Worksheets*.

4.1 Roadway Segment Capacity

Projected segment traffic conditions for buildout year 2024 of the project were analyzed for daily and PM peak hour traffic. The roadway segment analysis was performed by comparing the projected LOS of the roadway with the adopted LOS standard. This analysis is summarized in **Table 4**, which reveals that all study segments will continue to operate at satisfactory LOS in the projected condition.

Table 4
Projected Roadway Capacity Analysis

			Daily							PM Peak Hour						
Roadway Segment	No Lns	LOS Std	Cap.	Volume	Comm Trips	Trip Distr	Project Trips	Total	LOS	Cap.	Volume	Peak Dir	Comm Trips	Project Trips	Total	LOS
US 441																
Yothers Road to SR 429 Connector Road	4	D	49,500	37,394	118	23%	2,855	40,367	A	2,480	1,765	SB/WB	10	116	1,891	A
SR 429 Connector Road to Plymouth Sorrento Road	4	D	49,500	25,546	178	30%	3,724	29,448	A	2,480	1,181	SB/WB	17	144	1,342	A
Plymouth Sorrento Road to Boy Scout Road	4	D	49,500	26,060	68	25%	3,104	29,232	A	2,480	1,107	SB/WB	7	120	1,234	A
SR 429 Connector Road																
US 441 to Plymouth Sorrento Road	4	E	39,800	14,245	79	60%	7,449	21,773	C	2,000	736	NB/EB	5	287	1,028	C
Yothers Road																
US 441 to Plymouth Sorrento Road	2	E	14,000	1,959	449	5%	621	3,029	C	720	95	SB/WB	21	25	141	C
Lester Road																
Plymouth Sorrento Road to Schopke Lester Road	2	E	14,000	4,220	1,388	10%	1,241	6,849	C	720	217	NB/EB	91	51	359	C
Plymouth Sorrento Road																
Ponkan Road to Lester Road/Yothers Road	2	E	17,700	8,066	1,736	10%	1,241	11,043	C	920	481	NB/EB	102	51	634	C
Lester Road/Yothers Road to Schopke Road	2	E	19,000	9,714	1,038	15%	1,862	12,614	C	950	595	NB/EB	58	76	729	C
Schopke Road to SR 429 Connector Road	2	E	19,000	9,714	1,225	15%	1,862	12,801	C	950	595	NB/EB	72	76	743	C
SR 429 Connector Road to US 441	2	E	17,700	6,787	450	8%	993	8,230	C	880	369	NB/EB	35	38	442	C

Volumes, capacities, and committed trips found from City of Apopka CMS

4.2 Intersection Capacity

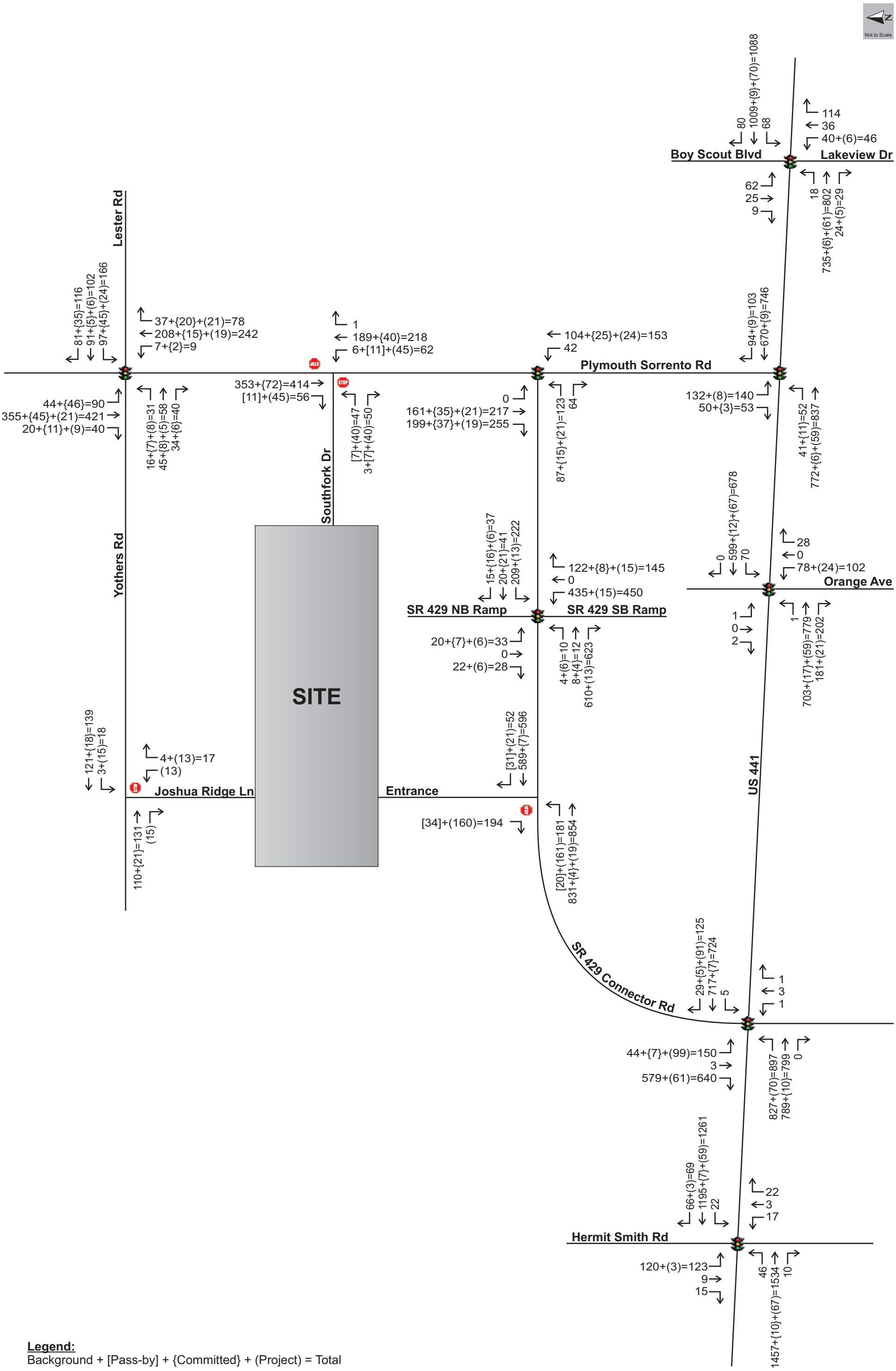
Projected intersection traffic conditions for buildout year 2024 of the project were analyzed for the AM and PM peak hour conditions. Committed trips were estimated by assigning the segment committed trips to the intersection turning movements. Then, a directional factor was applied to find the committed trips in the non-peak directions. The results of the analysis at project buildout are summarized in **Table 5.** The projected intersection volumes for the AM and PM peak hours are illustrated in **Figure 5** and **Figure 6**, respectively.

Table 5
Projected Intersection Capacity Analysis

Intersection	Control	Time Period	EB Delay	EB LOS	WB Delay	WB LOS	NB Delay	NB LOS	SB Delay	SB LOS	Overall Delay	Overall LOS
Plymouth Sorrento Rd & SR 429 Connector Rd	Signal	AM	20.7	C	-	-	9.1	A	18.7	B	16.9	B
		PM	23.4	C	-	-	9.8	A	16.8	C	16.2	B
Plymouth Sorrento Rd & US 441	Signal	AM	0.6	A	8.5	A	-	-	72.7	E	11.2	B
		PM	1.2	A	12.5	B	-	-	86.8	F	14.8	B
Plymouth Sorrento Rd & Southfork Dr*	Stop	AM	15.6	C	0.0	A	8.6	A	0.0	A	-	-
		PM	28.3	D	0.0	A	8.5	A	0.0	A	-	-
SR 429 Connector Rd & SR 429 Ramps	Signal	AM	23.4	C	26.2	C	23.9	C	28.2	C	24.8	C
		PM	26.5	C	27.8	C	23.4	C	31.4	D	24.5	C
SR 429 Connector Rd & US 441	Signal	AM	29.6	C	49.9	D	>300	F	35.8	D	37.2	D
		PM	28.5	C	7.9	A	>300	F	54.0	D	28.9	C
SR 429 Connector Rd & Project Entrance	Stop	AM	14.9	B	-	-	15.4	C	0.0	A	-	-
		PM	25.9	D	-	-	19.5	C	0.0	A	-	-
US 441 & Hermit Smith Rd	Signal	AM	14.6	B	2.6	A	60.6	E	68.8	E	12.6	B
		PM	14.5	B	17.6	B	76.2	E	73.6	E	18.9	B
US 441 & Orange Ave	Signal	AM	0.3	A	0.7	A	69.8	E	59.8	E	5.4	A
		PM	0.8	A	13.5	B	100.3	F	0.0	A	17.5	B
US 441 & Lakeview Dr/Boy Scout Blvd	Signal	AM	5.6	A	3.3	A	64.5	E	60.5	E	11.5	B
		PM	9.7	A	6.7	A	55.4	E	52.6	D	13.5	B
Plymouth Sorrento Rd & Yothers Rd/Lester Rd	Signal	AM	27.7	C	28.3	C	29.8	C	27.4	C	28.2	C
		PM	36.5	D	48.6	D	38.5	D	24.3	C	35.7	D
Yothers Rd & Joshua Ridge Ln	Stop	AM	0.0	A	7.6	A	9.8	A	-	-	-	-
		PM	0.0	A	7.6	A	10.5	B	-	-	-	-

Delay expressed in seconds/vehicle

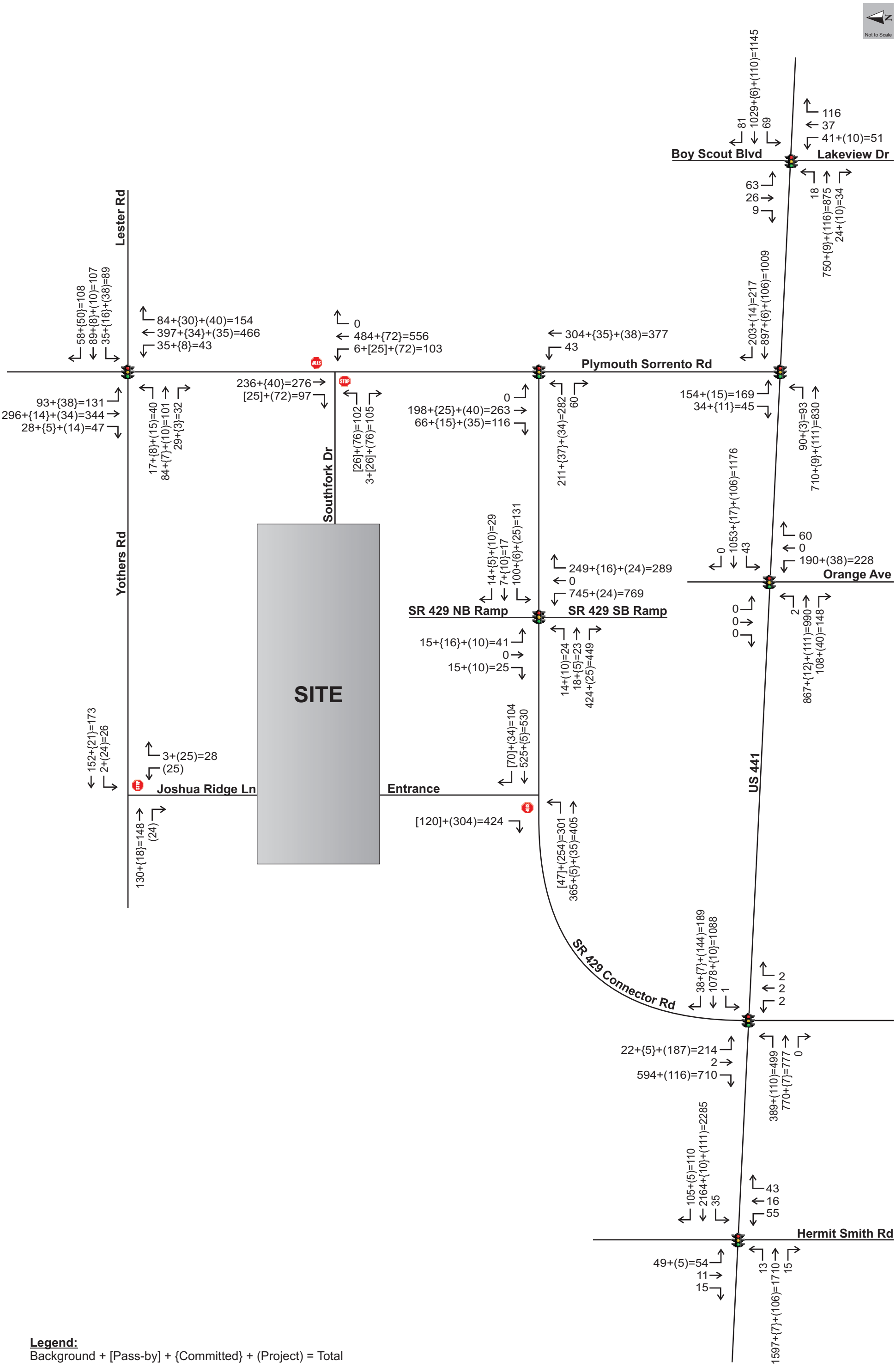
The analysis reveals that all study intersections will continue to operate at adequate overall LOS during the PM peak hour. Detailed worksheets are included in **Appendix H.**



Legend:
Background + [Pass-by] + {Committed} + (Project) = Total

Projected AM Peak Intersection Volumes
Floridian Town Center
18131.2

Figure 5



Legend:
Background + [Pass-by] + {Committed} + (Project) = Total

5.0 SITE ACCESS REVIEW

The main access to the Floridian Town Center development is proposed via a directional driveway on SR 429 Connector Road, north of the intersection at US 441. Additionally, a full access driveway is proposed via Southfork Drive at Plymouth Sorrento Road. According to the City of Apopka Land Development Code, exclusive right and left deceleration lanes will be required at the project's proposed driveways. Below is the calculation of the required turn lane lengths at each driveway.

Right Turn Deceleration Lane at Project Access on SR 429 Connector Road

SR 429 Connector Road is a 6-lane divided roadway with a posted speed limit of 35 mph adjacent to the proposed project entrance. The required length of the right turn lane is based on the *Florida Design Manual Exhibit 212-1,* provided in **Appendix I.** Accordingly, the required length of the right turn lane at the project driveway is 145 feet, including a 50-foot taper.

Left Turn Deceleration Lane at Project Access on SR 429 Connector Road

The required length of the left turn lane is based on the *Florida Design Manual Exhibit 212-1,* provided in **Appendix I**. The left turn lane calculations are as follows:

95th % tile Queue Length (obtained from *Synchro*) = 3.6 vehicles = 90 feet (using 25 ft./veh)
Deceleration Distance = 145 feet
Total Left Turn Length = 90 + 145 = 235 feet (including a 50-foot taper)

The minimum recommended northbound left turn lane on SR 429 Connector Road at the project access is 235 feet (including a 50-foot taper).

Right Turn Deceleration Lane at Project Access on Plymouth Sorrento Road and Southfork Drive

Plymouth Sorrento Road is a 2-lane undivided roadway with a posted speed limit of 50 mph adjacent to the proposed project entrance via Southfork Drive. The required length of the right turn lane is based on the *Florida Design Manual Exhibit 212-1,* provided in **Appendix I**. Accordingly, the required length of the right turn lane at the project driveway is 240 feet, including a 50-foot taper.

Left Turn Deceleration Lane at Project Access on Plymouth Sorrento Road and Southfork Drive

The required length of the left turn lane is based on the *Florida Design Manual Exhibit 212-1,* provided in **Appendix I**. The left turn lane calculations are as follows:

95th % tile Queue Length (obtained from Synchro) = 1 vehicles = 25 feet
Deceleration Distance = 240 feet
Total Left Turn Length = 25 + 240 = 265 feet (including a 50-foot taper)

The minimum recommended northbound left turn lane on Plymouth Sorrento Road at Southfork Drive is 265 feet (including a 50-foot taper).

6.0 STUDY CONCLUSIONS

This traffic analysis was performed to assess the impact of the proposed Floridian Town Center development located in the northwest corner of SR 429 and the SR 429 Connector Road in the City of Apopka, Florida. The development consists of a 504 dwelling unit apartment complex, a 120-room hotel, 25,000 square foot medical office space, 160,000 square foot retail/commercial space, a 55,000 square foot supermarket, a 160-bed assisted living facility, and a 20,000 square foot recreational community center, with a proposed full buildout in the year 2024. The analysis evaluated project impacts to roadway segments and intersections within the primary site's influence area and a preliminary access review. The results of the analysis as documented herein are summarized below:

- The proposed development will generate a new daily traffic volume of 12,415 trips per day, of which 571 trips occur during the AM peak hour, and 985 trips occur during the PM peak hour.
- Analysis of roadway segment capacity reveals that all study segments currently operate within their adopted capacity and are projected to continue to do so at project buildout.
- Analysis of the study intersections indicates that all study intersections currently operate at adequate LOS and are projected to continue to do so at project buildout.
- Analysis of the project access points indicates that the proposed access intersections are projected to operate at adequate LOS at project buildout.
- The required length of the right turn lane at the project driveway on SR 429 Connector Road is 145 feet (including a 50-foot taper).
- The minimum recommended northbound left turn lane at the project driveway on SR 429 Connector Road is 235 feet (including a 50-foot taper).
- The required length of the right turn lane at the project driveway on Plymouth Sorrento Road at the intersection with Southfork Drive is 240 feet (including a 50-foot taper).
- The minimum recommended northbound left turn lane at the project access on Plymouth Sorrento Road at the intersection with Southfork Drive is 265 feet (including a 50-foot taper).
- The timing of the turn lane improvements on Plymouth Sorrento Road will correspond with the internal roadway connection to Southfork as depicted in the Development Master Plan.

APPENDICES

Appendix A
Preliminary Site Plan



APOPKA MIXED USE

0' 100' 200' 400'

DRAWING NO. 00 of 00
DATE OF ISSUE July 26, 2018
REVISION

CONCEPT PLAN A

Appendix B
TIA Methodology

MEMORANDUM

October 16, 2020

Re: Floridian Town Center
Traffic Impact Analysis Methodology
City of Apopka, Florida
Project № 18131.2

The following is a methodology outline for the Traffic Impact Analysis (TIA) for the Floridian Town Center project.

Project Description

The proposed project is a development consisting of a 504 dwelling unit apartment complex, a 120 room hotel, 25,000 square foot medical office space, 160,000 square foot retail/commercial space, a 55,000 square foot supermarket, a 160 bed assisted living facility, and a 20,000 square foot recreational community center with a proposed buildout of the year 2024. A copy of the preliminary site plan is provided in the **Attachments**.

Project Location

The site is located in the northwest corner of SR 429 and the SR 429 Connector Road, in the City of Apopka, Florida, as shown in **Figure 1.**

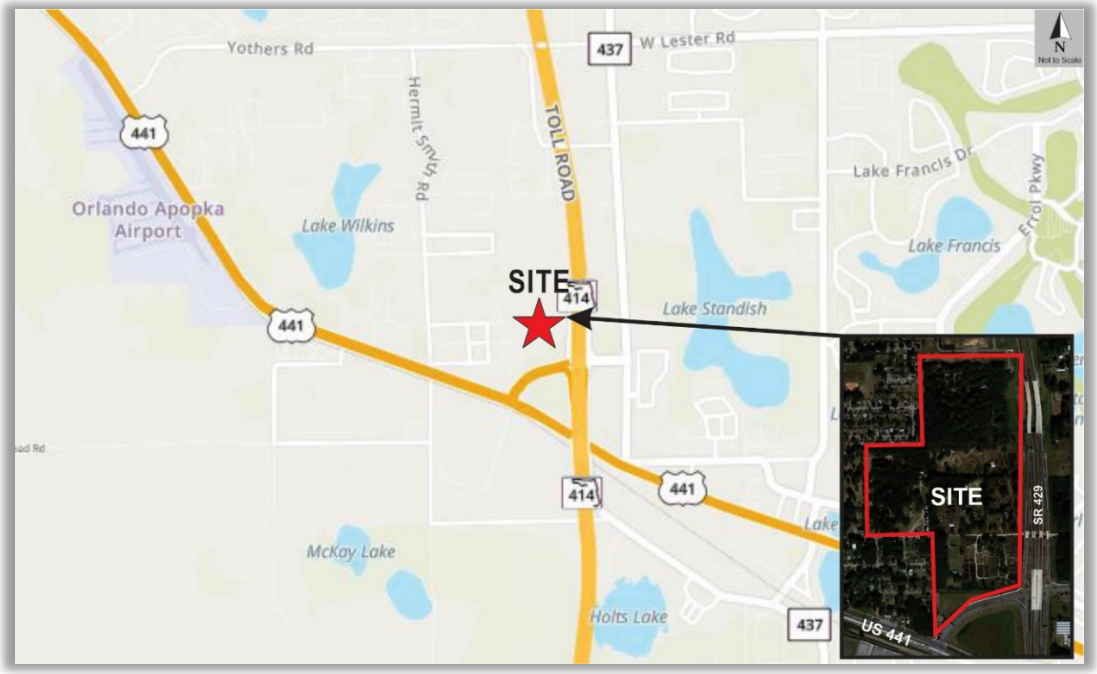


Figure 1 - Site Location

Project Access

Access to the site is proposed via a directional access driveway on SR 429 Connector Road (Main Entrance), a full access driveway on Southfork Drive, and a full access driveway to Yothers Road.

Trip Generation

The trip generation analysis was conducted using information published by the Institute of Transportation Engineers (ITE) in the *Trip Generation Manual, 10th Edition* and *Trip Generation Handbook 3rd Edition*. **Table 1** summarizes the resulting trip generation analysis. The ITE trip generation information sheets are included in the **Attachments**.

Table 1
Trip Generation

ITE Code	Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
			Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
221	Multi-Family Apartments	504 DU	5.45	2,747	0.36	181	47	134	0.44	222	135	87
310	Hotel	120 Rooms	8.36	1,003	0.46	55	32	23	0.53	64	33	31
720	Medical Office	25 KSF	34.92	873	2.6	65	51	14	3.46	87	24	63
820	Retail/Commercial	160 KSF	51.73	8,277	0.94	150	93	57	4.81	770	370	400
850	Supermarket	55 KSF	106.78	5,873	3.82	210	126	84	9.24	508	259	249
254	Assisted Living Facility	160 Beds	2.60	416	0.19	30	19	11	0.26	42	16	26
495	Recreational Community Center	20 KSF	28.82	576	1.76	35	27	8	2.31	46	13	33
		Gross Trip Generation		19,765		726	395	331		1,739	850	889
		Internal Trips		*2,824*		*34*	*18*	*15*		*416*	*203*	*213*
		Net External Trips		16,941		692	377	316		1,323	647	676
		Pass-by Trips (Retail/Commercial)		*2,412*		*49*	*30*	*19*		*199*	*96*	*103*
		Pass-by Trips (Supermarket)		*2,114*		*72*	*43*	*29*		*139*	*71*	*68*
		Net New External Trips		**12,415**		**571**	**304**	**268**		**985**	**480**	**505**

Source: ITE Trip Generation Manual, 10th Edition & Trip Generation Handbook 3rd Edition

The proposed development is projected to generate 12,415 new daily trips, of which 571 trips occur during the AM peak hour, and 985 trips occur during the PM peak hour.

Trip Distribution

The project trip distribution was estimated based on the Orlando Urban Area Transportation Study model (OUATS), Cost Feasible 2030 and modified to reflect prevailing patterns in the vicinity of the site and the surrounding land uses in the area. The OUATS model distribution plot is provided in the **Attachments** and the proposed trip distribution pattern is shown in **Figure 2.**

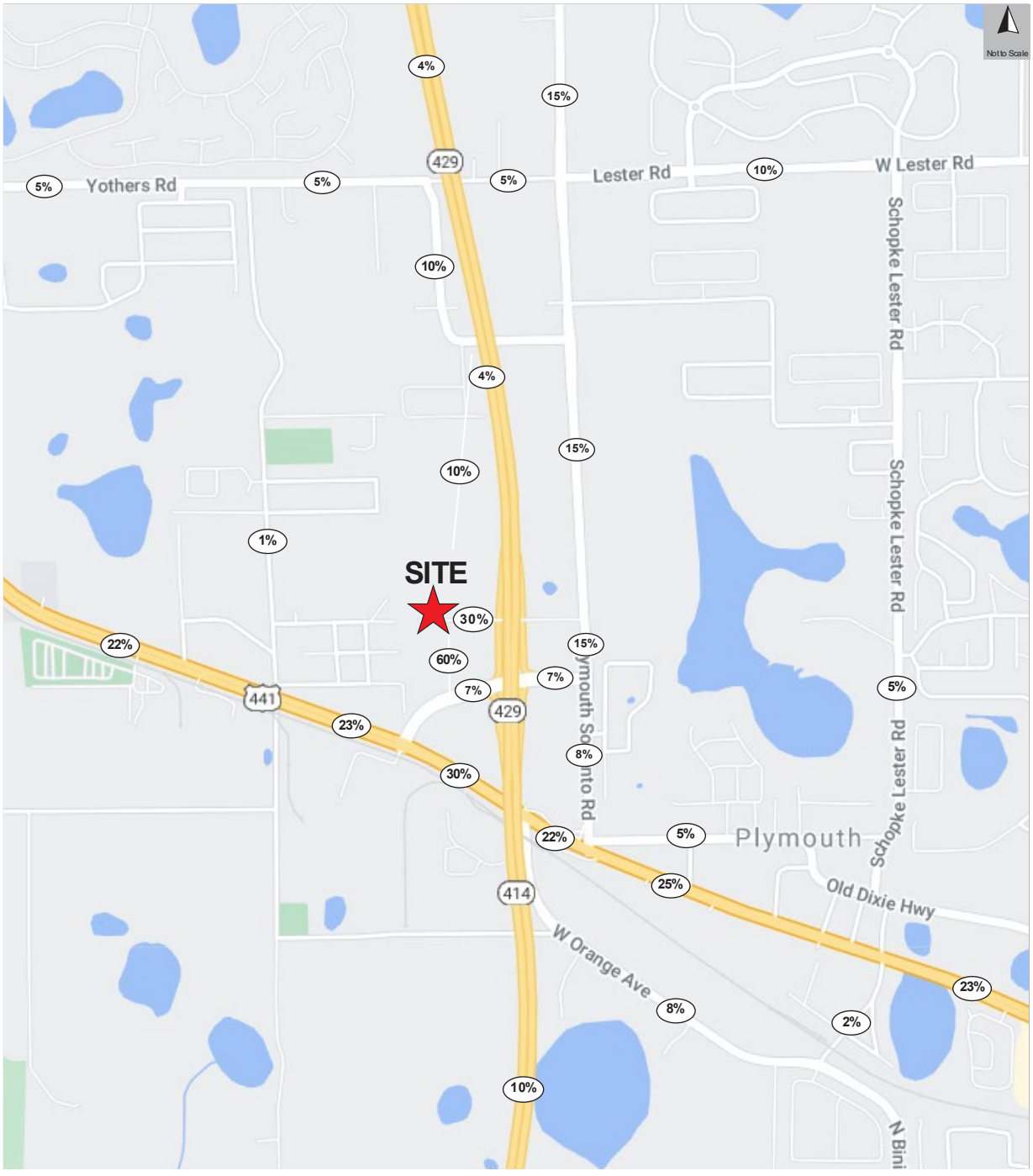


Figure 2 – Trip Distribution

Study Area

The following intersections will be analyzed for the AM and PM peak hour, and the roadway segments will be analyzed for the PM peak hour as part of this study:

Roadway Segments (within one-mile radius):

- US 441
    - Yothers Road to SR 429 Connector Road
    - SR 429 Connector Road to Plymouth Sorrento Road
    - Plymouth Sorrento Road to Boy Scout Boulevard
- SR 429 Connector Road
    - US 441 to Plymouth Sorrento Road
- Yothers Road
    - US 441 to Hermit Smith Road
    - Hermit Smith Road to Plymouth Sorrento Road
    - Plymouth Sorrento Road to Schopke Lester Road
- Plymouth Sorrento Road
    - W Ponkan Road to Yothers Road
    - Lester Road/Yothers Road to SR 429 Connector Road
    - SR 429 Connector Road to US 441

Study Intersections:

1. Plymouth Sorrento Road & SR 429 Connector Road
2. Plymouth Sorrento Road & US 441
3. Plymouth Sorrento Road & Yothers Road
4. Plymouth Sorrento Road & Southfork Drive (Project Access)
5. SR 429 Connector Road and SR 429 Ramps
6. US 441 & SR 429 Connector Road
7. US 441 & Hermit Smith Road
8. US 441 & Orange Avenue
9. US 441 & Lakeview Drive
10. SR 429 Connector Road and Project Access
11. Yothers Road and Project Access

Capacity Analysis

Roadway segment capacity will be analyzed for existing traffic and the new project peak hour directional traffic. The analysis will be based on City of Apopka adopted service volumes and capacities, as obtained from the City's latest available traffic data tables.

The study intersections will be analyzed for AM and PM peak hour conditions using the methods of the *Highway Capacity Manual* (HCM), *6th Edition*. The analysis will be performed for existing and buildout traffic conditions.

Right and left turn warrants will be conducted based on the City of Apopka's Methodology and in accordance with the City's Land Development Code for the project entrances on SR 429 Connector Road, Southfork Drive, and Klamath Loop Southfork.

Report

A traffic study report will be prepared outlining and summarizing the methods, findings, and recommendations.

Appendix C
City of Apopka Encumbered Traffic Allocation Worksheets

City of Apopka CMS
2019 Daily and PM Peak Hour/Peak Direction (PH/PD) Encumbered Traffic Allocation Worksheets

Base Traffic Volume: 2019 **FINAL REPORT** **Revision Date: 3/5/2020**

Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Major Arterials												
SR 436 (Semoran Avenue)												
US 441 to Sheeler Rd	8LD	D	80,100	4,040				25,558	54,504	1,027	3,010	NB/EB
					Farrish Enterprises	38	3		68.04%		74.50%	
					Applicant Inventory Total	38	3					
Sheeler Rd to Thompson Rd	8LD	D	80,100	4,040				35,576	44,486	1,482	2,555	SB/WB
					Farrish Enterprises	38	3		55.54%		63.24%	
					Applicant Inventory Total	38	3					
Thompson Rd to Roger Williams Rd	8LD	D	80,100	4,040				45,322	34,727	2,003	2,033	NB/EB
					Farrish Enterprises	51	4		43.35%		50.32%	
					Applicant Inventory Total	51	4					
Roger Williams Rd to Piedmont-Wekiwa Rd	8LD	D	80,100	4,040				45,609	34,376	1,943	2,088	SB/WB
					Farrish Enterprises	115	9		42.92%		51.68%	
					Applicant Inventory Total	115	9					
Piedmont Wekiwa Rd to Seminole County Line	6LD	D	59,900	3,020				57,438	2,334	2,432	578	SB/WB
					Farrish Enterprises	128	10		3.90%		19.14%	
					Applicant Inventory Total	128	10					
US 441 (Orange Blossom Trail)												
Yothers Rd to SR 429 Connector Rd	4LD	D	49,500	2,480				37,394	11,988	1,765	705	SB/WB
					Chandler Estates	29	2		24.22%		28.43%	
					Clearlake Landing	25	1					
					Mid-Florida Logistics Park	31	4					
					Orlando Country Airport	33	3					
					Applicant Inventory Total	118	10					
SR 429 Connector Rd to Plymouth Sorrento Rd	4LD	D	49,500	2,480				25,546	23,776	1,181	1,282	SB/WB
					Apopka Expressway Commerce	63	8		48.03%		51.69%	
					Chandler Estates	38	3					
					Clearlake Landing	25	1					
					Mid-Florida Logistics Park	21	2					
					Orlando Country Airport	31	3					
					Applicant Inventory Total	178	17					
Plymouth Sorrento Rd to Boy Scout Blvd	4LD	D	49,500	2,480				26,060	23,372	1,107	1,366	SB/WB
					Apopka Expressway Commerce	42	5		47.22%		55.08%	
					Clearlake Landing	16	1					
					Mid-Florida Logistics Park	10	1					
					Applicant Inventory Total	68	7					
Boy Scout Blvd to Errol Parkway	4LD	D	55,400	2,600				30,430	24,820	1,566	1,025	NB/EB
					Canterwood Manor (Dixie Manor @ Errol)	38	2		44.80%		39.42%	
					Clearlake Landing	41	2					
					Mid-Florida Logistics Park	10	1					
					Poe Reserve	61	4					
					Applicant Inventory Total	150	9					
Errol Parkway to SR 451	4LD	D	5,009 [2]	230 [2]				N/A	4,545.8	N/A	194	SB/WB
					Canterwood Manor (Dixie Manor @ Errol)	29	2		90.76%		84.35%	
					Faircloth Lakes	14	8					
					Lakeside (aka Lake Marshall)	285	17					
					Poe Reserve	135	9					
					Applicant Inventory Total	463	36					

City of Apopka CMS
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Base Traffic Volume: 2019 **FINAL REPORT** **Revision Date: 3/5/2020**

Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Minor Arterials (Continued)												
CR 437A (Ocoee-Apopka Road/Michael Gladden Boulevard/Central Avenue) (Continued)												
Boy Scout Rd to Bradshaw Rd	2L	E	17,700	880				11,436	4,024	533	205	NB/EB
					Central Florida Prep School	372	11		22.73%		23.30%	
					Clearlake Landing	8	0					
					Emerson North Townhomes (fka Emerson North Apartments)	24	1					
					Emerson Point Apartments	340	19					
					Johns Road Commerce Center	69	10					
					Lakeside (aka Lake Marshall)	578	35					
					Magnolia Commerce Center	5	1					
					Marden Ridge Apartments	527	32					
					Oakmont Industrial Facility	317	33					
					Applicant Inventory Total	2,240	142					
Bradshaw Rd to Central Ave	2L	E	15,600	800				7,293	6,267	351	321	NB/EB
					Central Florida Prep School	149	6		40.17%		40.13%	
					Emerson North Townhomes (fka Emerson North Apartments)	72	4					
					Emerson Point Apartments	952	53					
					Johns Road Commerce Center	23	3					
					Lakeside (aka Lake Marshall)	429	26					
					Magnolia Commerce Center	7	1					
					Marden Ridge Apartments	175	11					
					Oakmont Industrial Facility	233	24					
					Applicant Inventory Total	2,040	128					
Michael Gladden Blvd to US 441	2L	E	15,600	800				4,374	11,226	244	556	NB/EB
					Development Name	0	0		71.96%		69.50%	
					Applicant Inventory Total	0	0					
Lakeville Road												
Apopka Blvd to Wildwood St	2L	E	17,700	880				7,260	10,440	377	503	SB/WB
					Development Name	0	0		58.98%		57.16%	
					Applicant Inventory Total	0	0					
Plymouth-Sorrento Road (CR 437)												
County Line to Kelly Park Rd	2L	E	31,500	1,640				10,077	19,232	640	851	NB/EB
					Bridal Path	1,359	85		61.05%		51.89%	
					Cantero Golden Gem	135	5					
					Kelly Park Commercial (Publix)	518	48					
					Kelly Park Crossings	127	8					
					Orchid Estates (fka J.B. Nurseries)	52	3					
					Applicant Inventory Total	2,191	149					
Kelly Park Rd to Ponkan Rd	2L	E	17,700	880				6,465	8,839	391	287	NB/EB
					Bridal Path	169	11		49.94%		32.61%	
					Cantero Golden Gem	135	5					
					Kelly Park Commercial (Publix)	1,813	168					
					Kelly Park Crossings	190	12					
					Orchid Estates (fka J.B. Nurseries)	89	6					
					Applicant Inventory Total	2,396	202					
Ponkan Rd to Lester Rd/Yothers Rd	2L	E	17,700	920				8,066	7,898	481	337	NB/EB
					Cantero Golden Gem	1,080	69		44.62%		36.63%	
					Chandler Estates	5	0					
					Self Storage	394	17					
					Schopke Road Subdivision	106	7					
					Vista Reserve	151	9					
					Applicant Inventory Total	1,736	102					

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Minor Arterials (Continued)												
Plymouth-Sorrento Road (CR 437) (Continued)												
Lester Rd/Yothers Rd to Schopke Rd	2L	E	19,000	950				9,714	8,248	595	297	NB/EB
					Chandler Estates	5	0		43.41%		31.26%	
					Oak Ridge Subdivision	120	13					
					Self Storage	576	23					
					Stanton Ridge	110	7					
					Schopke Road Subdivision	106	7					
					Vista Reserve	121	8					
					Applicant Inventory Total	1,038	58					
Schopke Rd to SR 429 Connector Rd	2L	E	19,000	950				9,714	8,248	595	297	NB/EB
					Chandler Estates	10	1		43.41%		31.26%	
					Oak Ridge Subdivision	120	13					
					Self Storage	576	23					
					Stanton Ridge	204	14					
					Schopke Road Subdivision	194	13					
					Vista Reserve	121	8					
					Applicant Inventory Total	1,225	72					
SR 429 Connector Rd to US 441	2L	E	17,700	880				6,787	10,463	369	476	NB/EB
					Chandler Estates	10	1		59.11%		54.09%	
					Oak Ridge Subdivision	120	13					
					Stanton Ridge	126	8					
					Schopke Road Subdivision	194	13					
					Applicant Inventory Total	450	35					
Sheeler Road												
SR 436 to US 441	3L	E	32,100	1,620				11,625	20,475	608	1,012	NB/EB
					Development Name	0	0		63.79%		62.47%	
					Applicant Inventory Total	0	0					
US 441 to Apopka Blvd	2L	E	17,700	880				8,023	9,664	415	464	NB/EB
					Farrish Enterprises	13	1		54.60%		52.73%	
					Applicant Inventory Total	13	1					
Apopka Blvd to Cleveland St	2L	E	17,700	880				10,144	7,154	466	389	SB/WB
					Silver Oaks	402	25		40.42%		44.20%	
					Applicant Inventory Total	402	25					
Cleveland St to Keene Rd	2L	E	17,700	880				10,140	7,133	479	375	SB/WB
					Silver Oaks	427	26		40.30%		42.61%	
					Applicant Inventory Total	427	26					
SR 429 Connector												
Plymouth Sorrento to US 441	4LD	E	39,800	2,000				14,245	25,476	736	1,259	NB/EB
					Stanton Ridge	79	5		64.01%		62.95%	
					Applicant Inventory Total	79	5					
Wekiva Springs Road/Piedmont-Wekiwa Road/Hiawassee Road												
Votaw Rd to SR 436	5L	E	39,800	2,000				24,363	15,437	1,317	683	NB/EB
					Development Name	0	0		38.79%		34.15%	
					Applicant Inventory Total	0	0					
SR 436 to Piedmont Lakes Blvd	5L	E	39,800	2,000				32,053	7,747	1,700	300	NB/EB
					Development Name	0	0		19.46%		15.00%	
					Applicant Inventory Total	0	0					
Piedmont Lakes Blvd to US 441	5L	E	39,800	2,000				31,052	8,748	1,516	484	NB/EB
					Development Name	0	0		21.98%		24.20%	
					Applicant Inventory Total	0	0					
US 441 to CR 424 (Apopka Blvd)	4LD	E	39,800	2,000				23,012	16,788	1,000	1,000	NB/EB
					Development Name	0	0		42.18%		50.00%	
					Applicant Inventory Total	0	0					
CR 424 (Apopka Blvd) to SR 414	4LD	E	39,800	2,000				22,136	17,664	924	1,076	SB/WB
					Development Name	0	0		44.38%		53.80%	
					Applicant Inventory Total	0	0					

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Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Minor Collectors (Continued)												
Lester Road (Continued)												
Schopke Lester Rd to Plymouth Sorrento Rd	2L	E	14,000	720				4,220	8,392	217	412	NB/EB
					Carriage Hills 1 and 2	252	23		59.94%		57.22%	
					Equestrian Center Subdivision	209	13					
					Legacy Hills	48	3					
					San Sabastian	168	11					
					Self Storage	242	11					
					Stanton Ridge	31	2					
					Vista Reserve	438	28					
					Applicant Inventory Total	1,388	91					
Lust Road												
SR 429 to Ocoee Apopka Rd	2L	E	14,000	720				62	11,727	3	582	SB/WB
					Avian Pointe	2,211	135		83.76%		80.83%	
					Applicant Inventory Total	2,211	135					
Marden Road												
Ocoee Apopka Rd to Maden Meadows Dr	2L	E	14,000	720				3,935	6,695	172	379	SB/WB
					Central Florida Prep School	893	26		47.82%		52.64%	
					Emerson North Townhomes (fka Emerson North Apartments)	132	8					
					Emerson Point Apartments	1,292	72					
					Greystone Skilled Nursing Facility	0	0					
					Marden Ridge Apartments	1,053	63					
					Applicant Inventory Total	3,370	169					
Maden Meadows Dr to Keene Rd	2L	E	14,000	720				3,935	7,277	172	401	SB/WB
					Central Florida Prep School	595	23		51.98%		55.69%	
					Emerson North Townhomes (fka Emerson North Apartments)	132	8					
					Emerson Point Apartments	1,292	72					
					Greystone Skilled Nursing Facility	67	2					
					Marden Ridge Apartments	702	42					
					Applicant Inventory Total	2,788	147					
Martin Street												
Park Ave to Lake Ave	2L	E	14,000	720				3,542	10,418	189	529	NB/EB
					Center of Faith	40	2		74.41%		73.47%	
					Applicant Inventory Total	40	2					
McCormick Road												
Ocoee-Apopka Rd to Clarcona Rd (CR 435)	2L	E	15,900	790				4,731	9,741	231	416	SB/WB
					Oak Point South (fka, Thompson Hills Estates)	1,428	143		61.26%		52.66%	
					Applicant Inventory Total	1,428	143					
Monroe Avenue												
Park Ave to Alabama Ave	2L	D	13,300	680				4,734	8,566	412	268	SB/WB
					Development Name	0	0		64.41%		39.41%	
					Applicant Inventory Total	0	0					
Alabama Ave to Sheeler Rd	2L	D	13,300	680				5,268	8,032	354	326	SB/WB
					Development Name	0	0		60.39%		47.94%	
					Applicant Inventory Total	0	0					
Mt. Plymouth Road												
Kelly Park Rd to Haas Rd	2L	D	15,900	790				7,072	8,828	437	353	NB/EB
					Development Name	0	0		55.52%		44.68%	
					Applicant Inventory Total	0	0					
Haas Rd to Lake County Line	2L	D	15,900	790				5,364	10,536	267	523	NB/EB
					Development Name	0	0		66.26%		66.20%	
					Applicant Inventory Total	0	0					
North Maine Avenue												
Martin St to Old Dixie Hwy	2L	D	13,300	680				5,332	7,968	242	438	NB/EB
					Development Name	0	0		59.91%		64.41%	
					Applicant Inventory Total	0	0					

City of Apopka CMS
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Roadway Section	# of Lanes	Adopted Standard Roadway Capacity LOS	Daily	PHPD	Applicant Inventory	Encumbered Trips Daily	PM PH/PD	Daily Traffic (1) Base Volume	Available Capacity	PM PH/PD Traffic (1) Base Volume	Available Capacity	Peak Direction
Minor Collectors (Continued)												
Vick Road (Continued)												
Welch Rd to Lake Francis Dr	2L	E	14,000	720				11,059	2,358	558	128	NB/EB
					Equestrian Center Subdivision	87	6		25.64%		30.42%	
					Meadow View Apartments	288	20					
					Rock Springs Commercial	208	8					
					Applicant Inventory Total	583	34					
Lake Francis Dr to Lester Rd	2L	E	14,000	720				8,270	3,973	392	235	NB/EB
					Equestrian Center Subdivision	87	6		25.64%		30.42%	
					Gateway Plaza	673	23					
					Meadow View Apartments	96	7					
					San Sabastian	176	11					
					Vista Reserve	725	46					
					Applicant Inventory Total	1,757	93					
Lester Rd to Ponkan Rd	2L	E	14,000	720				5,173	8,296	302	391	SB/WB
					Equestrian Center Subdivision	87	6		25.64%		30.42%	
					Gateway Plaza	253	9					
					Meadow View Apartments	19	1					
					San Sabastian	66	4					
					Vista Reserve	106	7					
					Applicant Inventory Total	531	27					
Votaw Road												
Park Ave to Christiana Ave	2L	E	15,900	790				8,453	7,447	444	346	SB/WB
					Development Name	0	0		46.84%		43.80%	
					Applicant Inventory Total	0	0					
Christiana Ave to Thompson Rd	2L	E	15,900	790				8,426	7,474	436	354	NB/EB
					Development Name	0	0		47.01%		44.81%	
					Applicant Inventory Total	0	0					
Thompson Rd to Wekiva Springs Rd	2L	E	15,900	790				10,121	7,474	542	354	NB/EB
					Development Name	0	0		47.01%		44.81%	
					Applicant Inventory Total	0	0					
Yothers Road/Church Drive												
US 441 to Plymouth Sorrento Rd	2L	E	14,000	720				1,959	11,592	95	604	SB/WB
					Chandler Estates	67	4		82.80%		83.89%	
					Self Storage	303	12					
					Stanton Ridge	79	5					
					Applicant Inventory Total	449	21					

Notes:

1 Base Volume from Existing Traffic Volume Tables, Available Capacity is Adopted Capacity minus (Base Volume plus Encumbered Traffic), and percentage shown represents amount of Available Capacity remaining.

2 Allowable 15% Degradation Thresholds Capacity, see attached Transportation Consulting Group's 12/29/92 letter.

Source: 2019 Traffic Counts from ***Luke Transportation Engineering Consultants, Inc.***

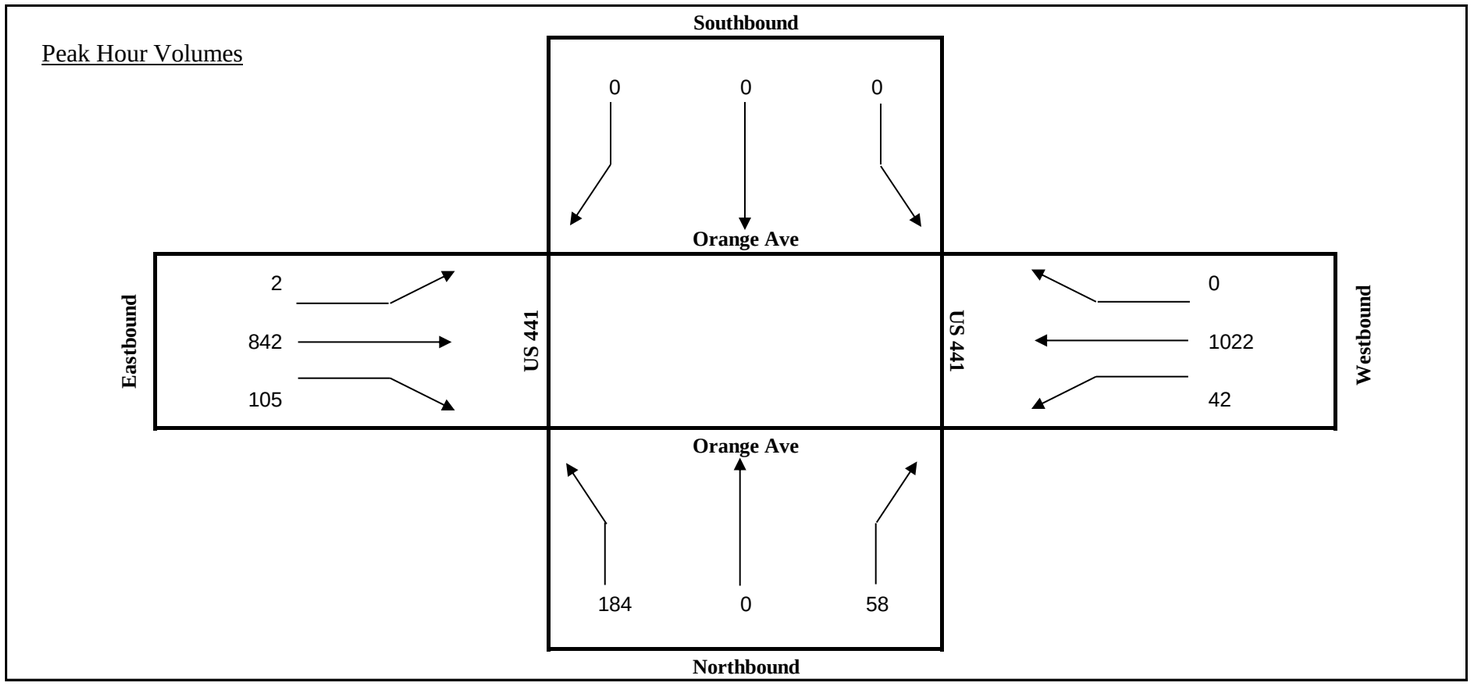
Appendix D
Traffic Counts & FDOT Seasonal Factors

TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Orange Ave
Intersection (E/W): US 441
Date: 3/13/2018

		Orange Ave			Orange Ave			US 441			US 441			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	40	0	4	0	0	0	1	137	12	9	213	0	416
4:15 PM	4:30 PM	48	0	5	0	0	0	0	210	15	11	261	0	550
4:30 PM	4:45 PM	57	0	11	0	0	0	1	168	18	10	268	0	533
4:45 PM	5:00 PM	45	0	9	0	0	0	0	171	20	11	250	0	506
5:00 PM	5:15 PM	39	0	21	0	0	0	0	225	21	14	278	0	598
5:15 PM	5:30 PM	55	0	12	0	0	0	2	223	37	9	239	0	577
5:30 PM	5:45 PM	45	0	16	0	0	0	0	223	27	8	255	0	574
5:45 PM	6:00 PM	34	0	5	0	0	0	0	187	21	11	209	0	467
Total for:	4:00 PM	5:00 PM	190	0	29	0	0	0	2	686	65	41	992	0	2005
Total for:	5:00 PM	6:00 PM	173	0	54	0	0	0	2	858	106	42	981	0	2216
Tota Peak Hour:	4:45 PM	5:45 PM	184	0	58	0	0	0	2	842	105	42	1022	0	2255
Overall PHF:	0.94														

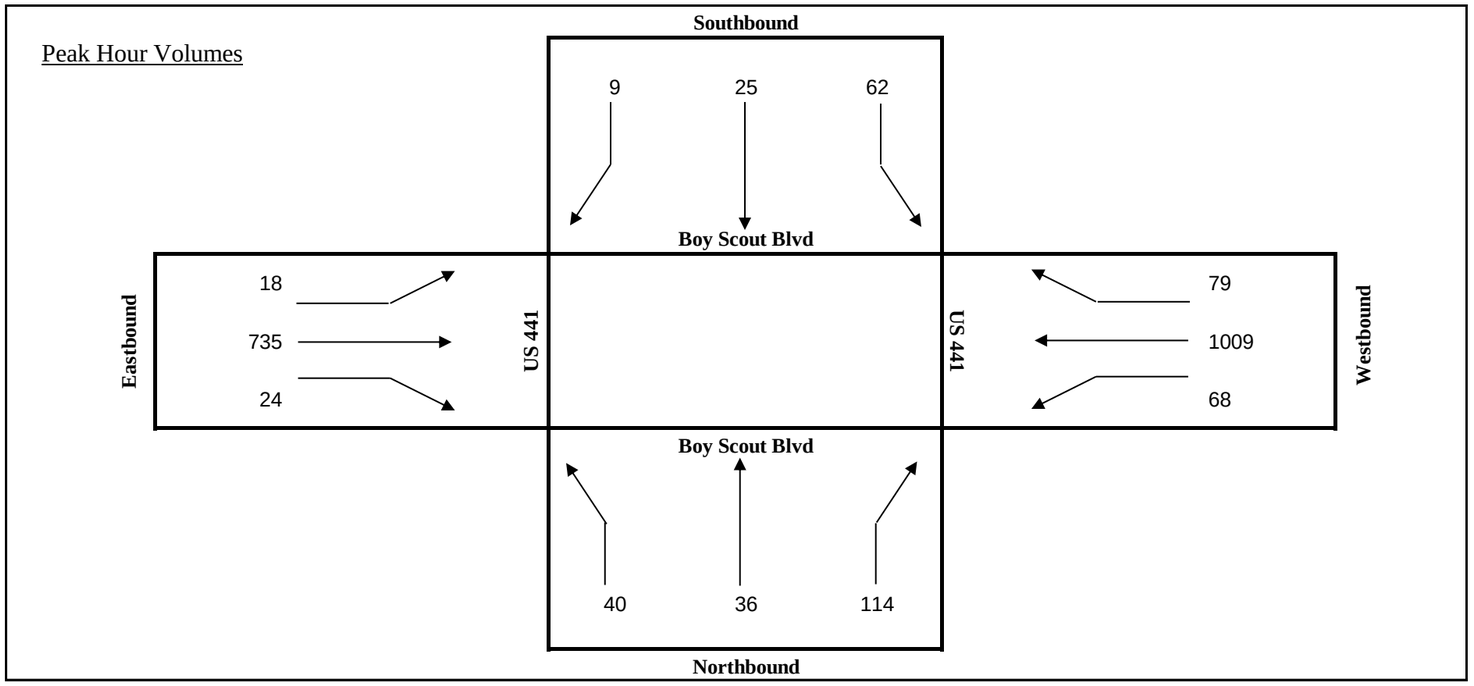


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Boy Scout Blvd
Intersection (E/W): US 441
Date: 3/13/2018

		Boy Scout Blvd			Boy Scout Blvd			US 441			US 441			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	12	4	27	8	5	4	2	170	3	26	212	11	484
4:15 PM	4:30 PM	9	10	33	6	9	4	1	196	8	30	223	19	548
4:30 PM	4:45 PM	8	24	47	10	5	0	1	230	5	22	225	9	586
4:45 PM	5:00 PM	9	13	24	10	11	0	1	139	9	20	199	17	452
5:00 PM	5:15 PM	10	12	33	13	9	2	4	158	4	17	255	20	537
5:15 PM	5:30 PM	9	10	30	15	5	0	3	201	6	20	270	19	588
5:30 PM	5:45 PM	11	8	25	20	6	3	5	186	8	12	248	22	554
5:45 PM	6:00 PM	10	6	26	14	5	4	6	190	6	19	236	18	540
Total for:	4:00 PM	5:00 PM	38	51	131	34	30	8	5	735	25	98	859	56	2070
Total for:	5:00 PM	6:00 PM	40	36	114	62	25	9	18	735	24	68	1009	79	2219
Tota Peak Hour:	5:00 PM	6:00 PM	40	36	114	62	25	9	18	735	24	68	1009	79	2219
Overall PHF:	0.94														

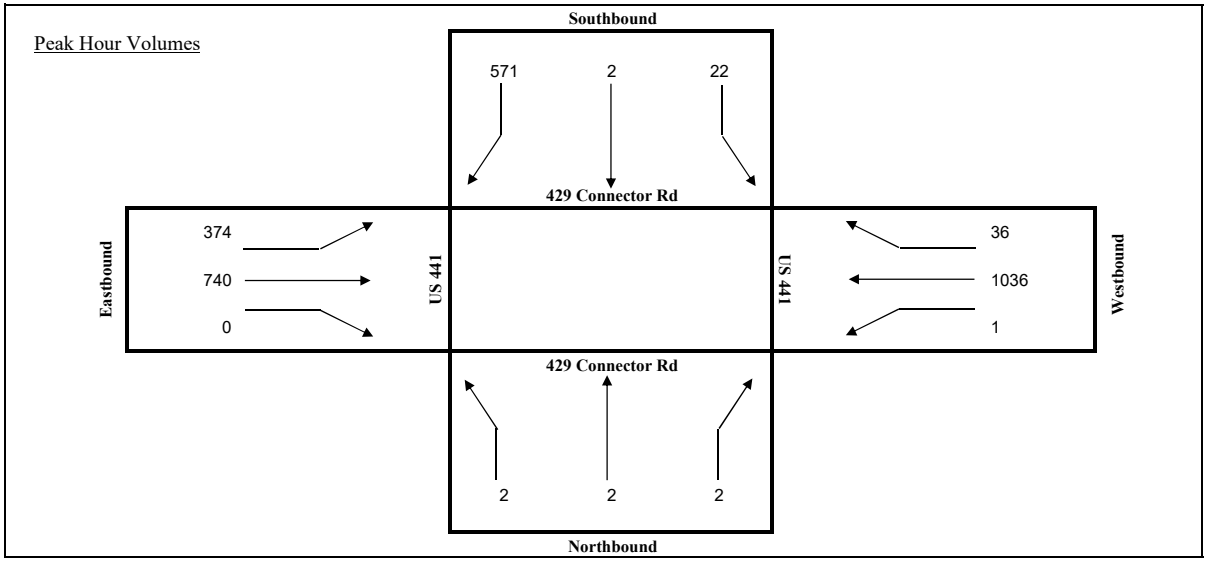


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): 429 Connector Rd
Intersection (E/W): US 441
Date: 8/28/2018

		429 Connector Rd			429 Connector Rd			US 441			US 441			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	0	1	1	3	0	90	76	128	0	0	188	10	497
4:15 PM	4:30 PM	2	4	0	2	1	119	90	135	0	0	250	8	611
4:30 PM	4:45 PM	0	1	0	13	1	148	86	153	0	0	273	8	683
4:45 PM	5:00 PM	1	1	1	4	0	134	97	164	0	0	234	9	645
5:00 PM	5:15 PM	1	0	1	3	1	138	91	225	0	0	277	9	746
5:15 PM	5:30 PM	0	0	0	2	0	151	100	198	0	1	252	10	714
5:30 PM	5:45 PM	0	0	1	2	0	138	79	184	0	0	256	10	670
5:45 PM	6:00 PM	1	1	0	3	0	124	73	172	0	1	240	8	623
Total for:	4:00 PM	5:00 PM	3	7	2	22	2	491	349	580	0	0	945	35	2436
Total for:	5:00 PM	6:00 PM	2	1	2	10	1	551	343	779	0	2	1025	37	2753
Tota Peak Hour:	4:30 PM	5:30 PM	2	2	2	22	2	571	374	740	0	1	1036	36	2788
Overall PHF:	0.93														

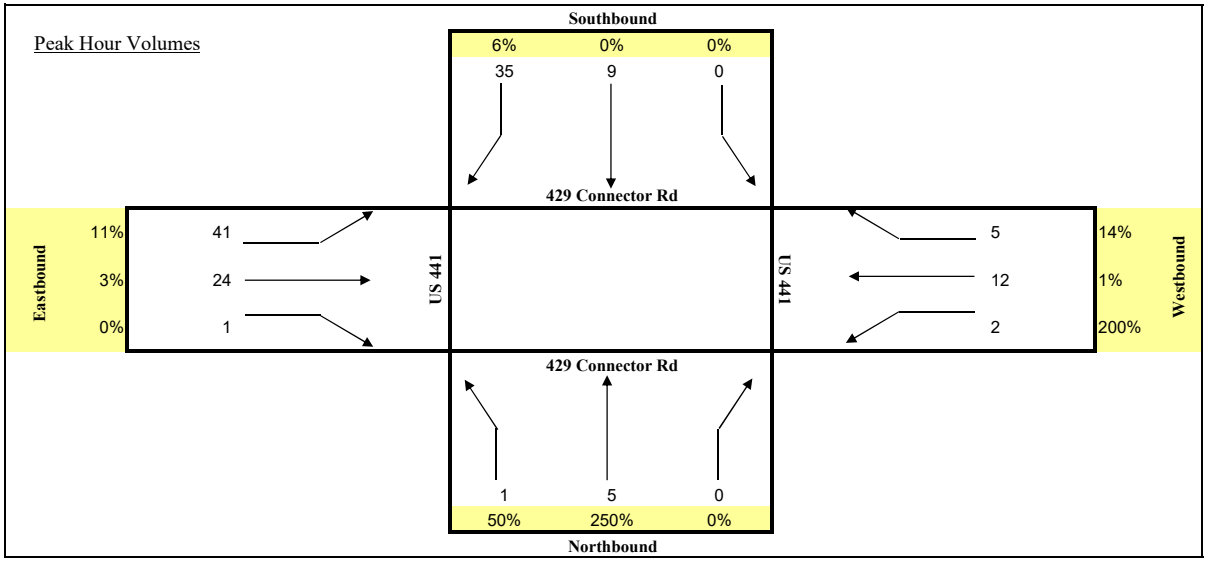


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): 429 Connector Rd
Intersection (E/W): US 441
Date: 8/28/2018

		429 Connector Rd			429 Connector Rd			US 441			US 441			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	2	0	0	1	14	7	3	1	1	3	1	33
4:15 PM	4:30 PM	0	0	0	0	3	9	12	9	0	0	3	1	37
4:30 PM	4:45 PM	0	2	0	0	2	5	10	6	0	1	2	1	29
4:45 PM	5:00 PM	1	1	0	0	3	7	12	6	0	0	4	2	36
5:00 PM	5:15 PM	0	0	1	1	1	4	8	9	0	1	6	0	31
5:15 PM	5:30 PM	1	1	0	0	0	2	5	4	0	0	4	1	18
5:30 PM	5:45 PM	0	0	0	1	1	5	4	5	0	1	5	0	22
5:45 PM	6:00 PM	0	1	0	0	1	4	7	7	0	0	2	1	23
Total for:	4:00 PM	5:00 PM	1	5	0	0	9	35	41	24	1	2	12	5	135
Total for:	5:00 PM	6:00 PM	1	2	1	2	3	15	24	25	0	2	17	2	94
Tota Peak Hour:	4:00 PM	5:00 PM	1	5	0	0	9	35	41	24	1	2	12	5	135
Overall PHF:	0.91														



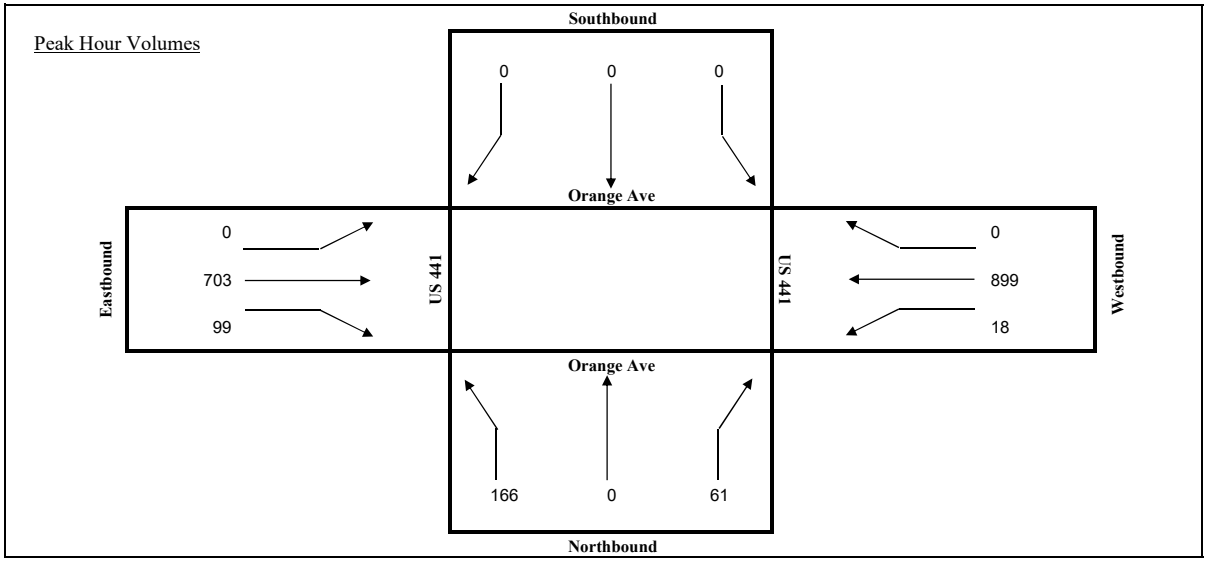
TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Orange Ave
Intersection (E/W): US 441
Date: 8/28/2018

			Orange Ave			Orange Ave			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	28	0	12	0	0	0	0	117	15	5	171	0	348
	4:15 PM	4:30 PM	47	0	9	0	0	0	0	124	13	7	211	0	411
	4:30 PM	4:45 PM	38	0	20	0	0	0	0	136	30	6	243	0	473
	4:45 PM	5:00 PM	43	0	15	0	0	0	0	150	18	3	200	0	429
	5:00 PM	5:15 PM	38	0	29	0	0	0	0	194	37	4	249	0	551
	5:15 PM	5:30 PM	43	0	10	0	0	0	0	178	22	7	220	0	480
	5:30 PM	5:45 PM	59	0	13	0	0	0	0	180	15	6	207	0	480
	5:45 PM	6:00 PM	26	0	9	0	0	0	0	151	25	1	223	0	435
Total for:	4:00 PM	5:00 PM	156	0	56	0	0	0	0	527	76	21	825	0	1661
Total for:	5:00 PM	6:00 PM	166	0	61	0	0	0	0	703	99	18	899	0	1946
Tota Peak Hour:	5:00 PM	6:00 PM	166	0	61	0	0	0	0	703	99	18	899	0	1946
Overall PHF:	0.88														

Peak Hour Volumes

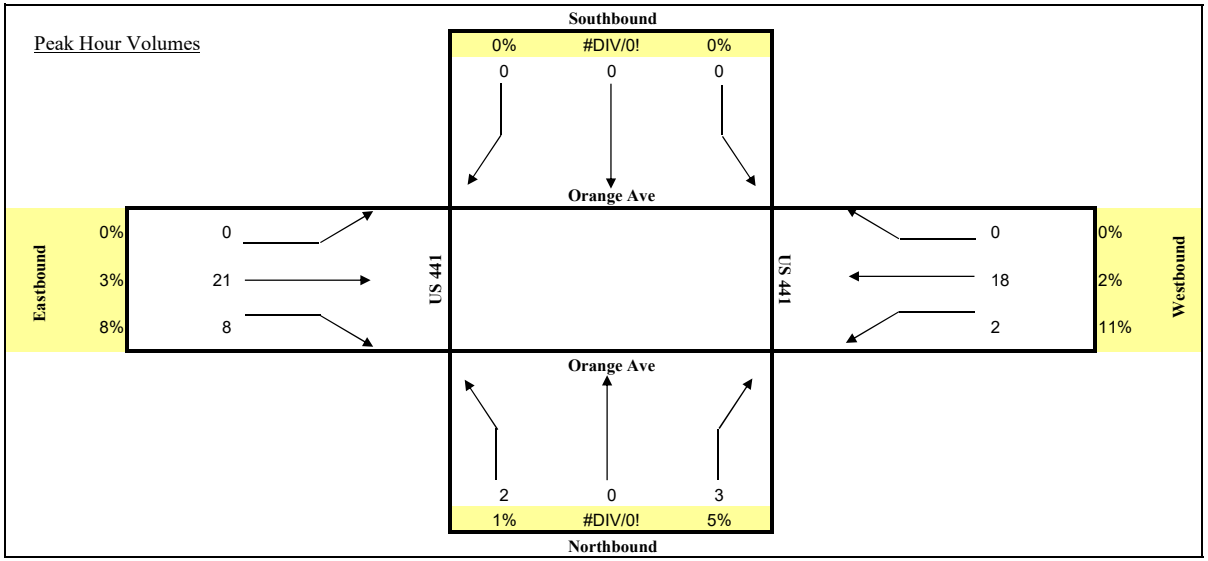


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Orange Ave
Intersection (E/W): US 441
Date: 8/28/2018

		Orange Ave			Orange Ave			US 441			US 441			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	3	0	0	5	0	8
4:15 PM	4:30 PM	0	0	2	0	0	0	0	6	1	1	4	0	14
4:30 PM	4:45 PM	0	0	0	0	0	0	0	4	2	1	3	0	10
4:45 PM	5:00 PM	1	0	1	0	0	0	0	5	1	0	6	0	14
5:00 PM	5:15 PM	1	0	0	0	0	0	0	6	4	0	5	0	16
5:15 PM	5:30 PM	1	0	0	0	0	0	0	4	0	0	3	0	8
5:30 PM	5:45 PM	1	0	0	0	0	0	0	4	2	0	5	0	12
5:45 PM	6:00 PM	2	0	0	0	0	0	0	5	1	1	4	0	13
Total for:	4:00 PM	5:00 PM	1	0	3	0	0	0	0	18	4	2	18	0	46
Total for:	5:00 PM	6:00 PM	5	0	0	0	0	0	0	19	7	1	17	0	49
Tota Peak Hour:	4:15 PM	5:15 PM	2	0	3	0	0	0	0	21	8	2	18	0	54
Overall PHF:	0.84														



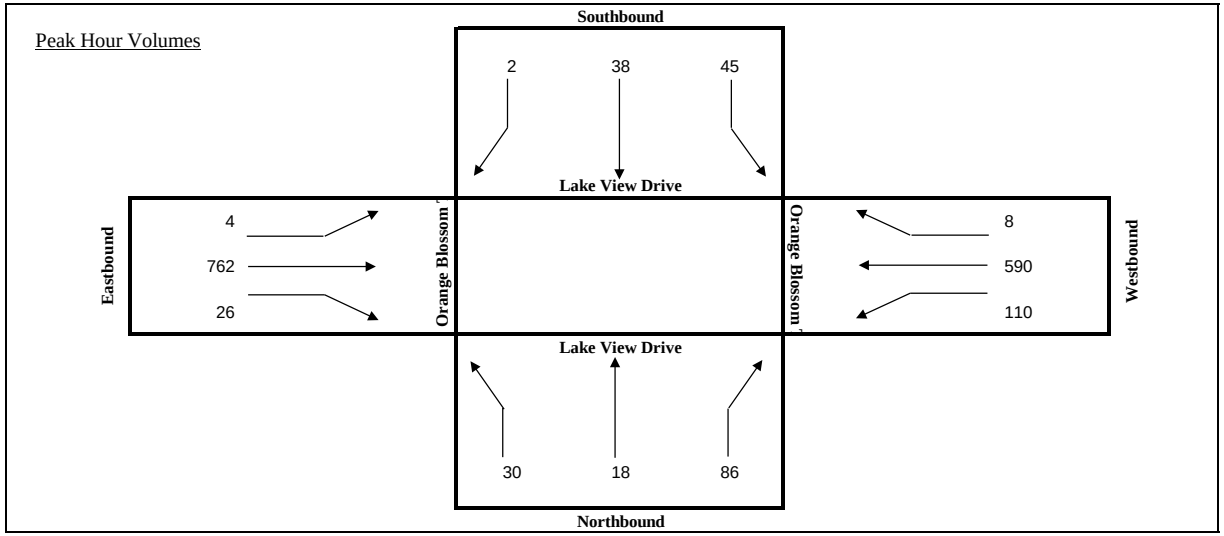
Disclaimer: These counts were taken during COVID-19, factors were applied within the study

TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Lake View Drive
(E/W) Orange Blossom Trail
Date: 6/9/2020

		Lake View Drive			Lake View Drive			Orange Blossom Trail			Orange Blossom Trail			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	4	3	16	10	6	0	0	173	6	22	148	3	391
7:15 AM	7:30 AM	12	4	16	10	8	0	1	164	4	19	160	1	399
7:30 AM	7:45 AM	6	4	30	10	14	1	0	180	5	32	163	2	447
7:45 AM	8:00 AM	8	5	19	14	13	1	1	194	7	37	140	2	441
8:00 AM	8:15 AM	4	5	21	11	3	0	2	224	10	22	127	3	432
8:15 AM	8:30 AM	6	5	21	5	7	0	3	196	9	16	130	1	399
8:30 AM	8:45 AM	5	3	22	7	5	1	1	200	7	15	122	5	393
8:45 AM	9:00 AM	4	2	24	8	2	1	2	189	7	15	125	3	382
Total for:	7:00 AM	8:00 AM	30	16	81	44	41	2	2	711	22	110	611	8	1678
Total for:	8:00 AM	9:00 AM	19	15	88	31	17	2	8	809	33	68	504	12	1606
Tota Peak Hour:	7:15 AM	8:15 AM	30	18	86	45	38	2	4	762	26	110	590	8	1719
Overall PHF:	0.96														



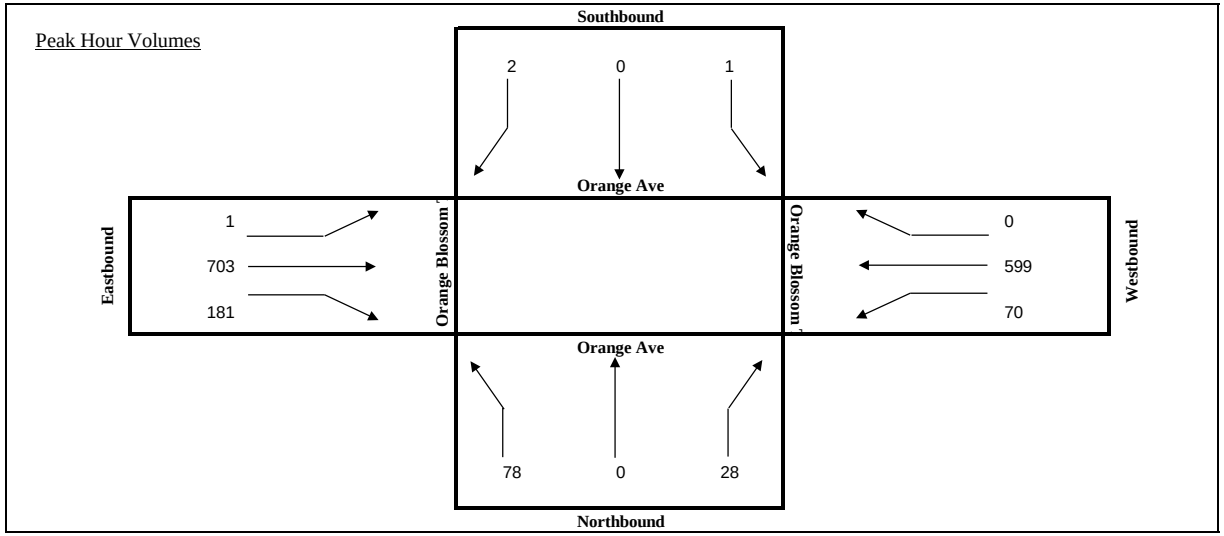
Disclaimer: These counts were taken during COVID-19, factors were applied within the study

TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Orange Ave
(E/W) Orange Blossom Trail
Date: 6/9/2020

		Orange Ave			Orange Ave			Orange Blossom Trail			Orange Blossom Trail			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	24	0	11	0	0	0	0	179	45	16	140	0	415
7:15 AM	7:30 AM	18	0	5	0	0	0	0	171	37	16	161	0	408
7:30 AM	7:45 AM	21	0	8	1	0	1	1	167	50	20	159	0	428
7:45 AM	8:00 AM	15	0	4	0	0	1	0	186	49	18	139	0	412
8:00 AM	8:15 AM	20	0	10	0	0	0	0	195	20	9	138	0	392
8:15 AM	8:30 AM	16	0	5	1	0	1	0	167	27	9	136	0	362
8:30 AM	8:45 AM	17	0	3	2	0	0	0	164	29	16	135	0	366
8:45 AM	9:00 AM	15	0	5	0	1	0	0	155	33	13	138	1	361
Total for:	7:00 AM	8:00 AM	78	0	28	1	0	2	1	703	181	70	599	0	1663
Total for:	8:00 AM	9:00 AM	68	0	23	3	1	1	0	681	109	47	547	1	1481
Tota Peak Hour:	7:00 AM	8:00 AM	78	0	28	1	0	2	1	703	181	70	599	0	1663
Overall PHF:	0.97														

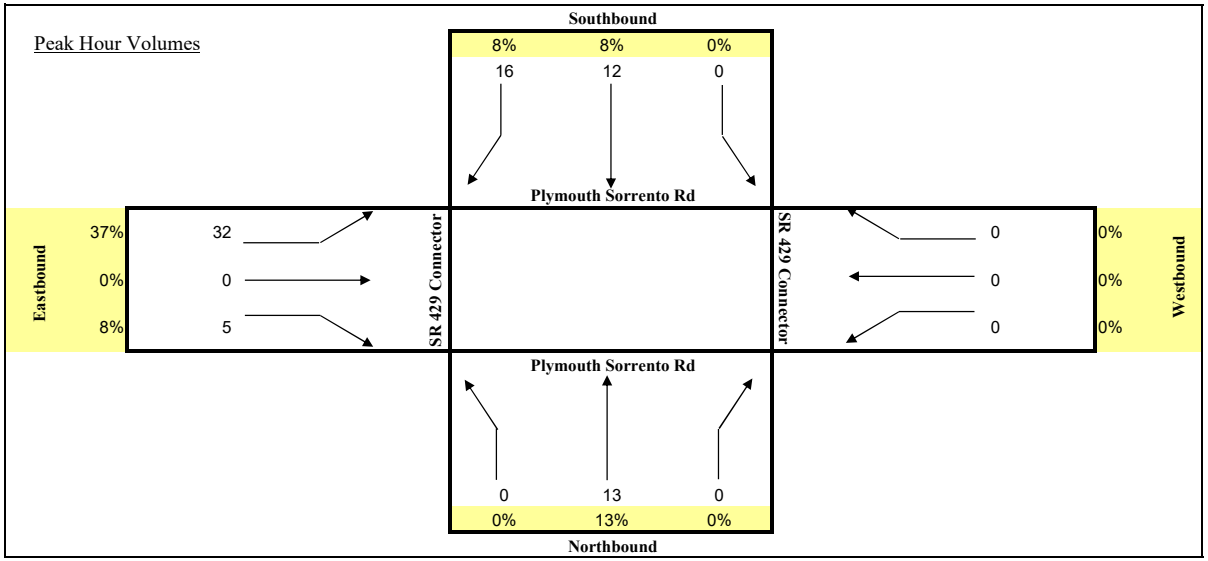


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		Plymouth Sorrento Rd			Plymouth Sorrento Rd			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	0	2	0	0	1	0	4	0	2	0	0	0	9
7:15 AM	7:30 AM	1	2	0	0	3	2	5	0	0	0	0	0	13
7:30 AM	7:45 AM	0	2	0	0	0	1	3	0	0	0	0	0	6
7:45 AM	8:00 AM	0	2	0	0	2	4	9	0	0	0	0	0	17
8:00 AM	8:15 AM	0	4	0	0	0	5	6	0	2	0	0	0	17
8:15 AM	8:30 AM	0	5	0	0	7	2	10	0	2	0	0	0	26
8:30 AM	8:45 AM	0	2	0	0	3	5	7	0	1	0	0	0	18
8:45 AM	9:00 AM	1	1	0	0	4	3	7	0	1	0	0	0	17
Total for:	7:00 AM	8:00 AM	1	8	0	0	6	7	21	0	2	0	0	0	45
Total for:	8:00 AM	9:00 AM	1	12	0	0	14	15	30	0	6	0	0	0	78
Tota Peak Hour:	7:45 AM	8:45 AM	0	13	0	0	12	16	32	0	5	0	0	0	78
Overall PHF:	0.75														

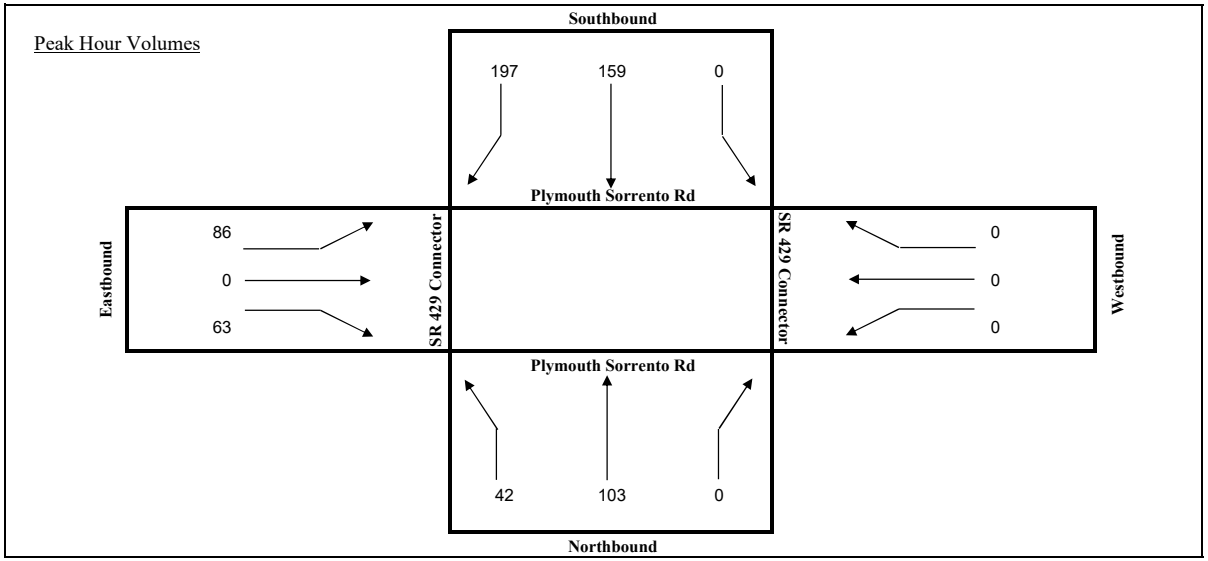


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
(E/W) SR 429 Connector Rd
Date: 7/1/2020

			Plymouth Sorrento Rd			Plymouth Sorrento Rd			SR 429 Connector Rd			SR 429 Connector Rd			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	4	34	0	0	35	37	18	0	14	0	0	0	142
	7:15 AM	7:30 AM	7	28	0	0	47	47	18	0	16	0	0	0	163
	7:30 AM	7:45 AM	8	26	0	0	39	55	21	0	15	0	0	0	164
	7:45 AM	8:00 AM	13	24	0	0	48	49	22	0	13	0	0	0	169
	8:00 AM	8:15 AM	14	25	0	0	25	46	25	0	19	0	0	0	154
	8:15 AM	8:30 AM	5	24	0	0	42	30	33	0	13	0	0	0	147
	8:30 AM	8:45 AM	7	21	0	0	41	42	29	0	8	0	0	0	148
	8:45 AM	9:00 AM	9	19	0	0	39	41	30	0	9	0	0	0	147
Total for:	7:00 AM	8:00 AM	32	112	0	0	169	188	79	0	58	0	0	0	638
Total for:	8:00 AM	9:00 AM	35	89	0	0	147	159	117	0	49	0	0	0	596
Tota Peak Hour:	7:15 AM	8:15 AM	42	103	0	0	159	197	86	0	63	0	0	0	650
Overall PHF:	0.96														

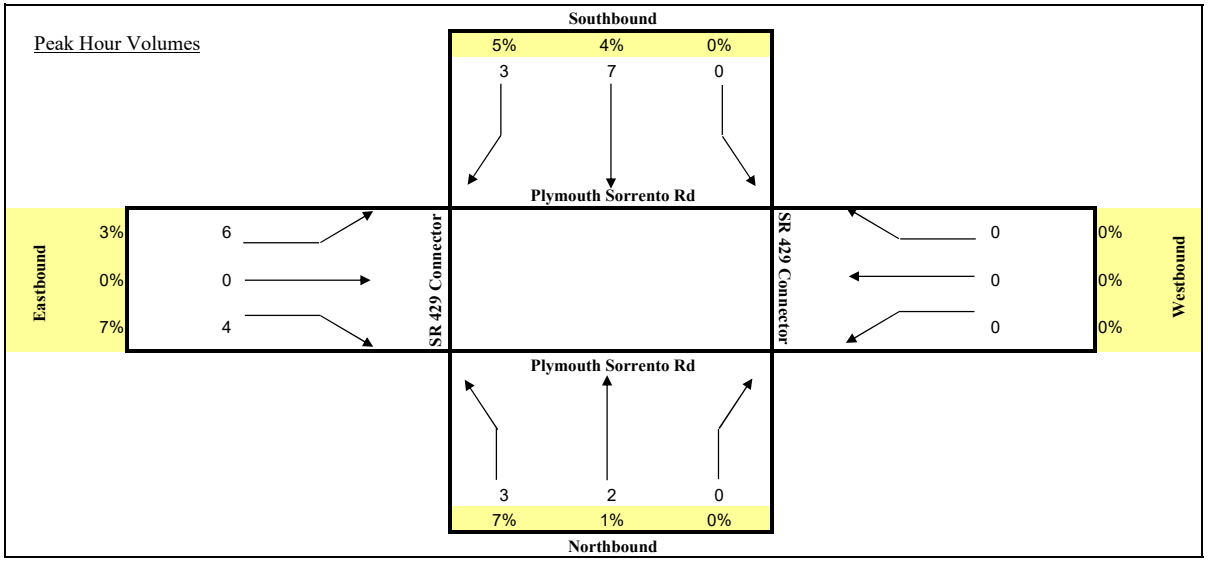


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		Plymouth Sorrento Rd			Plymouth Sorrento Rd			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	2	0	0	1	2	0	0	0	0	0	0	5
4:15 PM	4:30 PM	0	0	0	0	0	2	1	0	0	0	0	0	3
4:30 PM	4:45 PM	0	1	0	0	4	2	5	0	2	0	0	0	14
4:45 PM	5:00 PM	0	0	0	0	1	0	0	0	1	0	0	0	2
5:00 PM	5:15 PM	1	0	0	0	1	1	1	0	1	0	0	0	5
5:15 PM	5:30 PM	2	1	0	0	1	0	0	0	0	0	0	0	4
5:30 PM	5:45 PM	1	0	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	6:00 PM	0	1	0	0	1	0	2	0	1	0	0	0	5
Total for:	4:00 PM	5:00 PM	0	3	0	0	6	6	6	0	3	0	0	0	24
Total for:	5:00 PM	6:00 PM	4	2	0	0	3	1	3	0	2	0	0	0	15
Tota Peak Hour:	4:30 PM	5:30 PM	3	2	0	0	7	3	6	0	4	0	0	0	25
Overall PHF:	0.45														

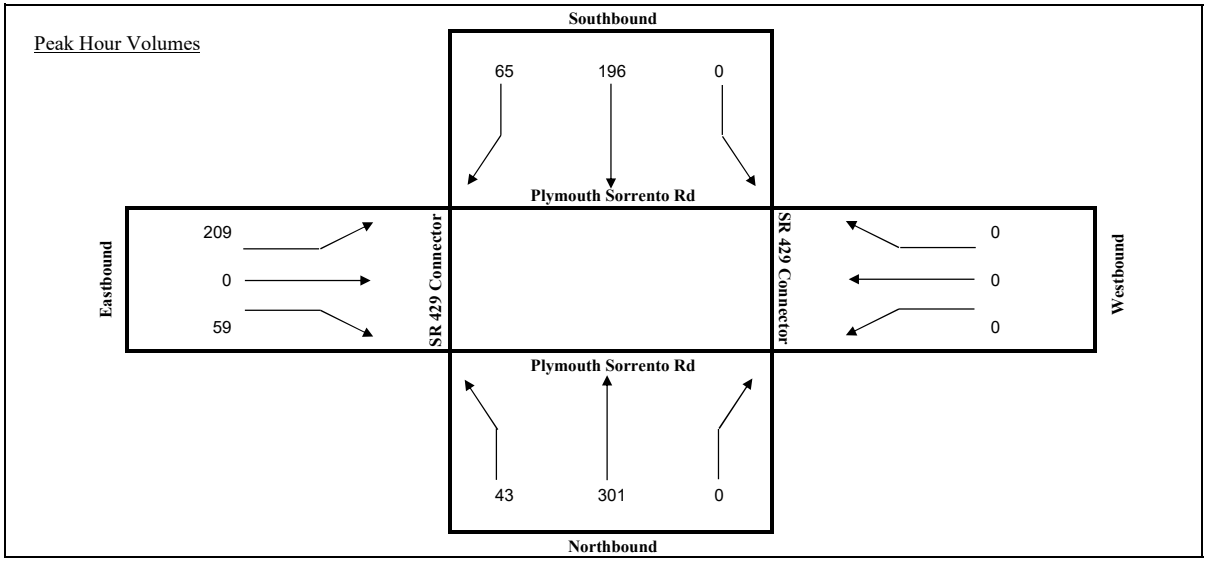


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

			Plymouth Sorrento Rd			Plymouth Sorrento Rd			SR 429 Connector Rd			SR 429 Connector Rd			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	9	57	0	0	34	25	36	0	13	0	0	0	174
	4:15 PM	4:30 PM	10	62	0	0	57	15	45	0	13	0	0	0	202
	4:30 PM	4:45 PM	8	78	0	0	45	26	53	0	18	0	0	0	228
	4:45 PM	5:00 PM	14	67	0	0	50	15	41	0	19	0	0	0	206
	5:00 PM	5:15 PM	11	78	0	0	51	17	48	0	15	0	0	0	220
	5:15 PM	5:30 PM	10	78	0	0	50	7	67	0	7	0	0	0	219
	5:30 PM	5:45 PM	8	53	0	0	46	15	63	0	16	0	0	0	201
	5:45 PM	6:00 PM	5	49	0	0	45	23	56	0	24	0	0	0	202
Total for:	4:00 PM	5:00 PM	41	264	0	0	186	81	175	0	63	0	0	0	810
Total for:	5:00 PM	6:00 PM	34	258	0	0	192	62	234	0	62	0	0	0	842
Tota Peak Hour:	4:30 PM	5:30 PM	43	301	0	0	196	65	209	0	59	0	0	0	873
Overall PHF:	0.96														

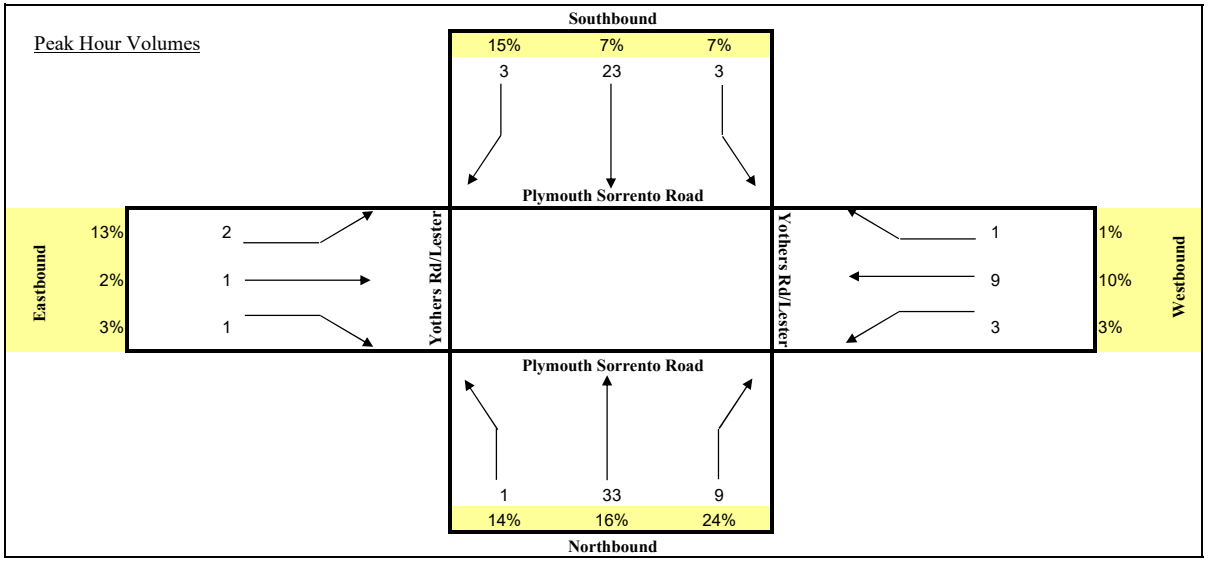


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Road
Intersection (E/W): Yothers Rd/Lester Road
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			Yothers Rd/Lester Road			Yothers Rd/Lester Road			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	0	4	0	0	2	1	0	0	0	1	1	2	11
	7:15 AM	7:30 AM	0	3	1	0	3	0	0	0	0	0	0	0	7
	7:30 AM	7:45 AM	0	10	2	2	5	2	0	0	0	0	3	1	25
	7:45 AM	8:00 AM	1	13	3	1	10	0	0	0	1	1	2	0	32
	8:00 AM	8:15 AM	0	7	3	0	3	0	2	0	0	2	1	0	18
	8:15 AM	8:30 AM	0	3	1	0	5	1	0	1	0	0	3	0	14
	8:30 AM	8:45 AM	0	8	2	1	2	0	1	0	0	1	1	1	17
	8:45 AM	9:00 AM	1	2	1	0	4	0	0	1	1	0	1	0	11
Total for:	7:00 AM	8:00 AM	1	30	6	3	20	3	0	0	1	2	6	3	75
Total for:	8:00 AM	9:00 AM	1	20	7	1	14	1	3	2	1	3	6	1	60
Tota Peak Hour:	7:30 AM	8:30 AM	1	33	9	3	23	3	2	1	1	3	9	1	89
Overall PHF:	0.70														

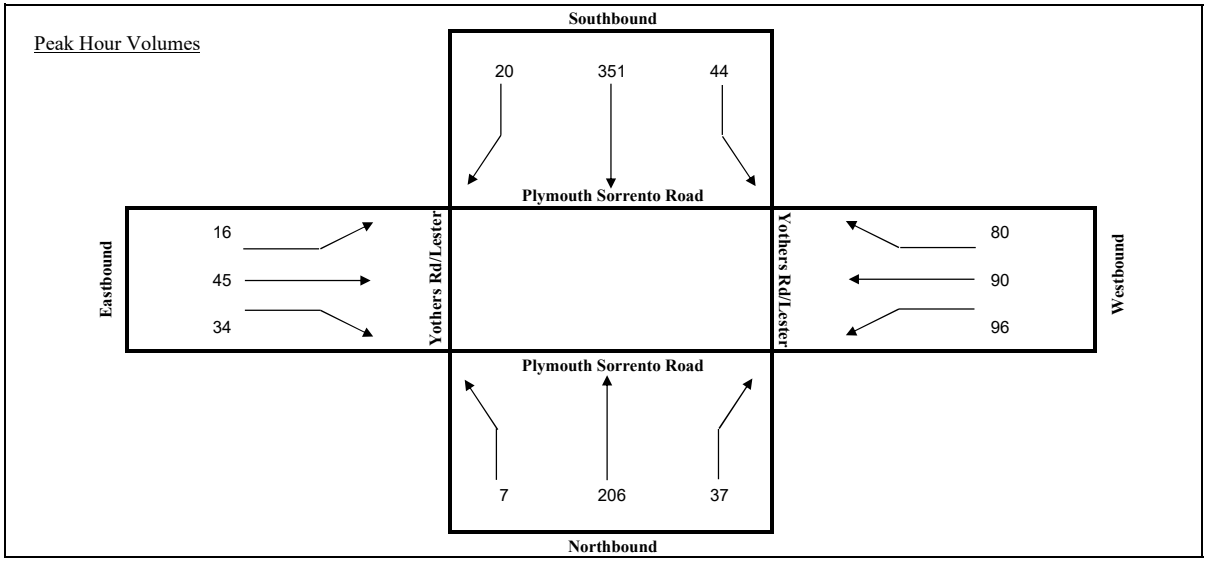


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Road
(E/W) Yothers Rd/Lester Road
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			Yothers Rd/Lester Road			Yothers Rd/Lester Road			
			NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	1	46	6	12	79	2	3	11	5	25	19	15	224
7:15 AM	7:30 AM	1	51	15	14	85	10	4	10	7	25	17	22	261
7:30 AM	7:45 AM	1	48	7	11	106	4	4	18	11	26	27	28	291
7:45 AM	8:00 AM	4	61	9	7	81	4	5	6	11	20	27	15	250
8:00 AM	8:15 AM	4	52	4	6	64	3	5	17	5	21	15	26	222
8:15 AM	8:30 AM	2	47	8	3	64	8	7	11	8	15	22	20	215
8:30 AM	8:45 AM	5	52	4	6	72	5	9	9	7	18	21	12	220
8:45 AM	9:00 AM	3	45	5	7	66	2	7	11	10	10	14	12	192
Total for:	7:00 AM	8:00 AM	7	206	37	44	351	20	16	45	34	96	90	80	1026
Total for:	8:00 AM	9:00 AM	14	196	21	22	266	18	28	48	30	64	72	70	849
Tota Peak Hour:	7:00 AM	8:00 AM	7	206	37	44	351	20	16	45	34	96	90	80	1026
Overall PHF:	0.88														

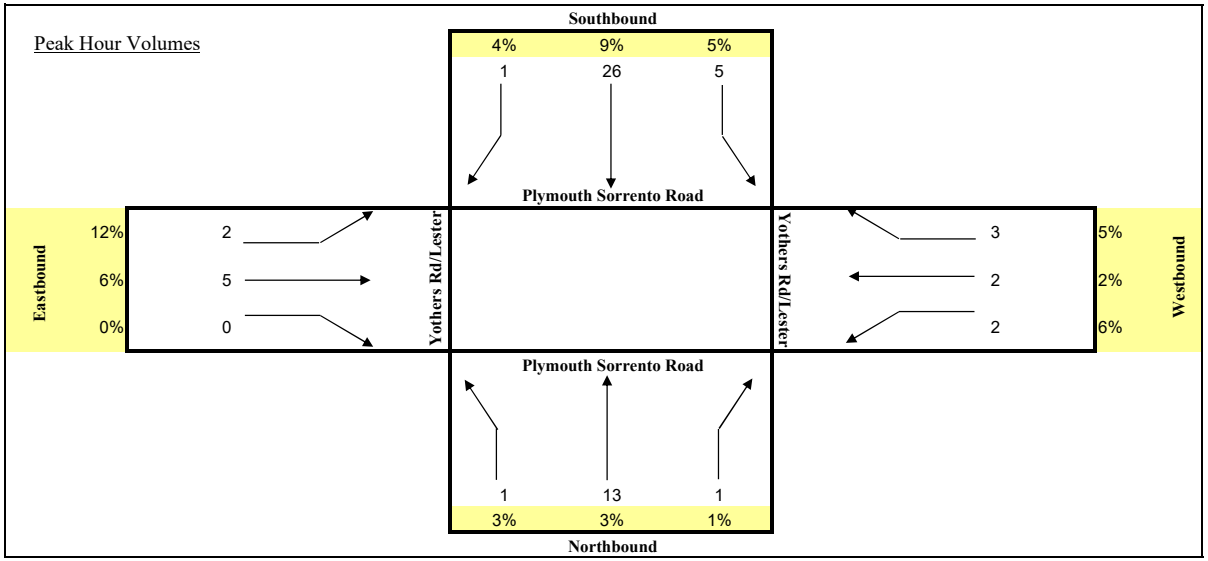


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Road
Intersection (E/W): Yothers Rd/Lester Road
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			Yothers Rd/Lester Road			Yothers Rd/Lester Road			
			NB			SB			EB			WB			
	Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
	4:00 PM	4:15 PM	0	4	0	3	14	0	1	1	0	0	0	1	24
	4:15 PM	4:30 PM	1	4	0	0	6	0	1	0	0	1	0	1	14
	4:30 PM	4:45 PM	0	1	1	0	5	0	0	4	0	0	2	0	13
	4:45 PM	5:00 PM	0	4	0	2	1	1	0	0	0	1	0	1	10
	5:00 PM	5:15 PM	0	2	0	0	2	0	0	1	0	2	0	0	7
	5:15 PM	5:30 PM	0	3	0	0	2	1	0	0	0	1	1	1	9
	5:30 PM	5:45 PM	0	2	0	1	0	0	0	0	1	0	0	0	4
	5:45 PM	6:00 PM	1	3	1	0	1	1	1	0	1	1	0	1	11
Total for:	4:00 PM	5:00 PM	1	13	1	5	26	1	2	5	0	2	2	3	61
Total for:	5:00 PM	6:00 PM	1	10	1	1	5	2	1	1	2	4	1	2	31
Tota Peak Hour:	4:00 PM	5:00 PM	1	13	1	5	26	1	2	5	0	2	2	3	61
Overall PHF:	0.64														

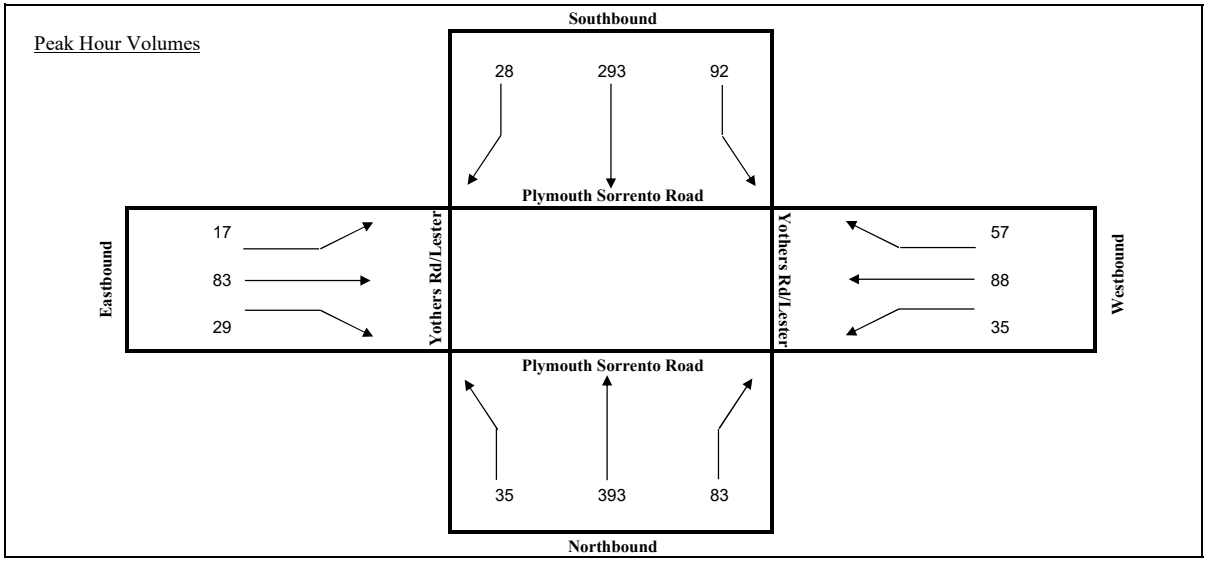


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Road
Intersection (E/W): Yothers Rd/Lester Road
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			Yothers Rd/Lester Road			Yothers Rd/Lester Road			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	9	82	13	15	71	4	2	17	4	11	9	19	256
	4:15 PM	4:30 PM	10	77	9	21	74	7	9	22	4	10	21	14	278
	4:30 PM	4:45 PM	7	81	30	30	63	5	5	19	10	14	23	21	308
	4:45 PM	5:00 PM	6	112	17	20	57	9	4	17	10	7	23	16	298
	5:00 PM	5:15 PM	9	109	21	19	87	10	1	25	3	8	17	13	322
	5:15 PM	5:30 PM	13	91	15	23	86	4	7	22	6	6	25	7	305
	5:30 PM	5:45 PM	9	101	24	15	52	5	4	17	8	9	21	19	284
	5:45 PM	6:00 PM	13	99	24	12	56	5	6	19	11	8	20	12	285
Total for:	4:00 PM	5:00 PM	32	352	69	86	265	25	20	75	28	42	76	70	1140
Total for:	5:00 PM	6:00 PM	44	400	84	69	281	24	18	83	28	31	83	51	1196
Tota Peak Hour:	4:30 PM	5:30 PM	35	393	83	92	293	28	17	83	29	35	88	57	1233
Overall PHF:	0.96														

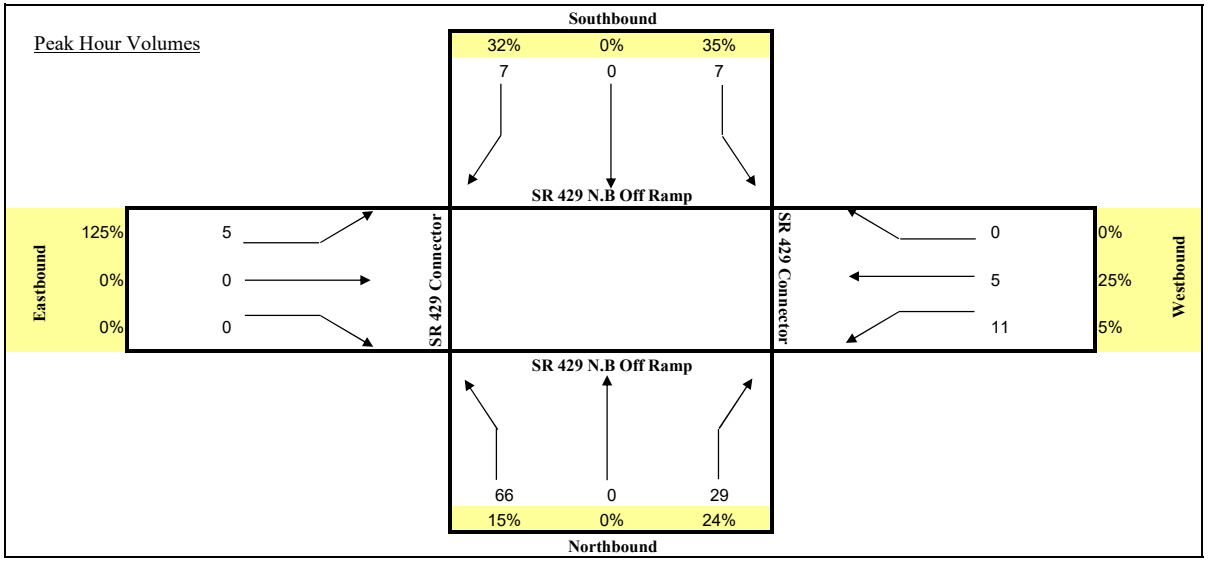


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 429 N.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		SR 429 N.B Off Ramp			SR 429 N.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	14	0	6	0	0	0	1	0	0	0	0	0	21
7:15 AM	7:30 AM	17	0	5	0	0	1	0	0	0	3	0	0	26
7:30 AM	7:45 AM	13	0	3	0	0	1	0	0	0	1	0	0	18
7:45 AM	8:00 AM	16	0	9	0	0	0	0	0	0	4	0	0	29
8:00 AM	8:15 AM	11	0	6	2	0	2	1	0	0	3	2	0	27
8:15 AM	8:30 AM	17	0	10	2	0	1	2	0	0	1	1	0	34
8:30 AM	8:45 AM	21	0	7	1	0	2	1	0	0	4	1	0	37
8:45 AM	9:00 AM	17	0	6	2	0	2	1	0	0	3	1	0	32
Total for:	7:00 AM	8:00 AM	60	0	23	0	0	2	1	0	0	8	0	0	94
Total for:	8:00 AM	9:00 AM	66	0	29	7	0	7	5	0	0	11	5	0	130
Tota Peak Hour:	8:00 AM	9:00 AM	66	0	29	7	0	7	5	0	0	11	5	0	130
Overall PHF:	0.88														

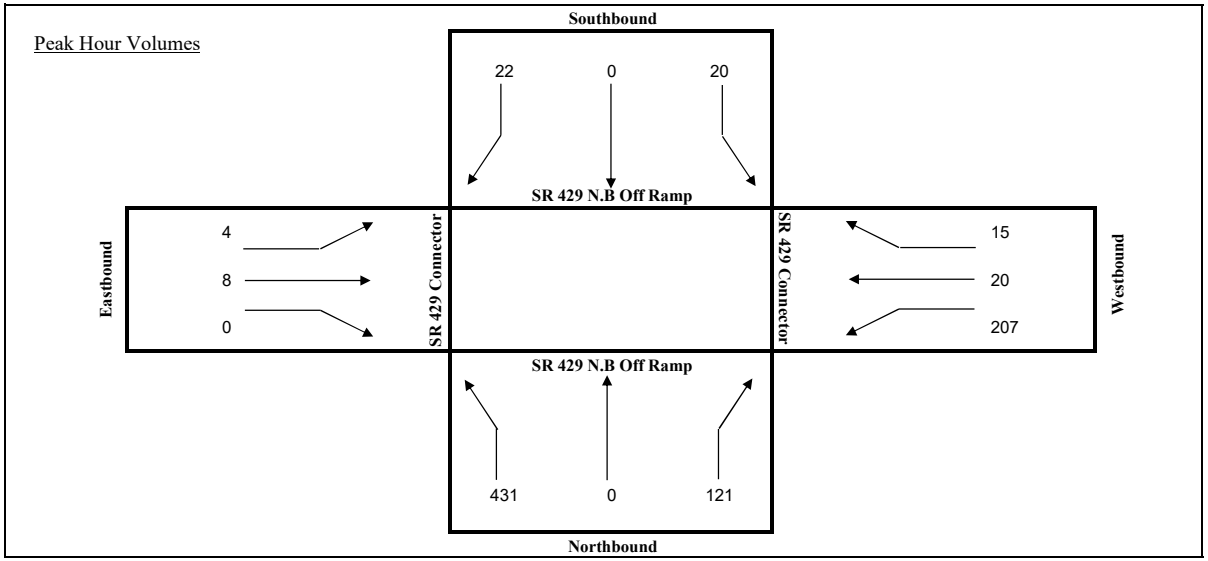


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): **SR 429 N.B Off Ramp**
(E/W) **SR 429 Connector Rd**
Date: **7/1/2020**

			SR 429 N.B Off Ramp			SR 429 N.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	87	0	28	1	0	6	4	2	0	35	3	3	169
	7:15 AM	7:30 AM	122	0	30	2	0	7	0	2	0	54	3	0	220
	7:30 AM	7:45 AM	101	0	29	6	0	5	2	1	0	57	4	2	207
	7:45 AM	8:00 AM	120	0	27	6	0	3	1	2	0	48	5	9	221
	8:00 AM	8:15 AM	88	0	35	6	0	7	1	3	0	48	8	4	200
	8:15 AM	8:30 AM	99	0	40	5	0	5	4	1	0	31	2	1	188
	8:30 AM	8:45 AM	123	0	32	3	0	6	2	2	0	41	3	5	217
	8:45 AM	9:00 AM	116	0	33	5	0	7	2	1	0	42	4	4	214
Total for:	7:00 AM	8:00 AM	430	0	114	15	0	21	7	7	0	194	15	14	817
Total for:	8:00 AM	9:00 AM	426	0	140	19	0	25	9	7	0	162	17	14	819
Tota Peak Hour:	7:15 AM	8:15 AM	431	0	121	20	0	22	4	8	0	207	20	15	848
Overall PHF:	0.96														

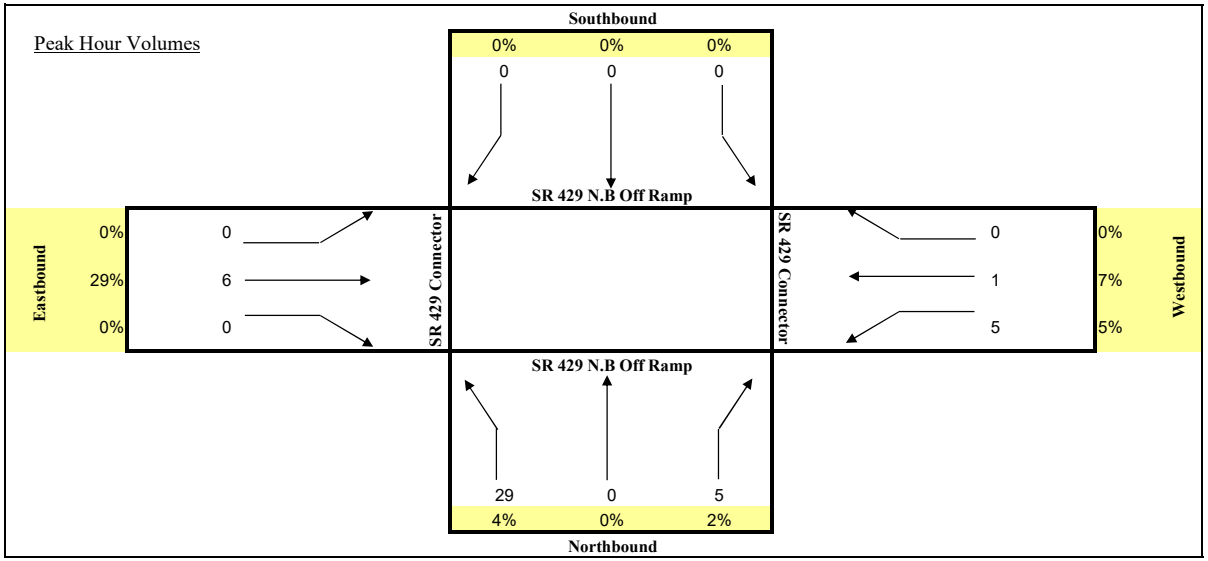


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 429 N.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		SR 429 N.B Off Ramp			SR 429 N.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	10	0	0	0	0	0	0	0	0	2	0	0	12
4:15 PM	4:30 PM	6	0	1	0	0	0	0	2	0	1	1	0	11
4:30 PM	4:45 PM	5	0	4	0	0	0	0	3	0	2	0	0	14
4:45 PM	5:00 PM	8	0	0	0	0	0	0	1	0	0	0	0	9
5:00 PM	5:15 PM	7	0	1	0	0	0	0	1	0	2	0	0	11
5:15 PM	5:30 PM	9	0	0	0	0	0	0	0	0	2	0	0	11
5:30 PM	5:45 PM	5	0	0	0	0	0	0	0	0	1	0	0	6
5:45 PM	6:00 PM	6	0	2	0	0	0	0	1	0	0	0	0	9
Total for:	4:00 PM	5:00 PM	29	0	5	0	0	0	0	6	0	5	1	0	46
Total for:	5:00 PM	6:00 PM	27	0	3	0	0	0	0	2	0	5	0	0	37
Tota Peak Hour:	4:00 PM	5:00 PM	29	0	5	0	0	0	0	6	0	5	1	0	46
Overall PHF:	0.82														

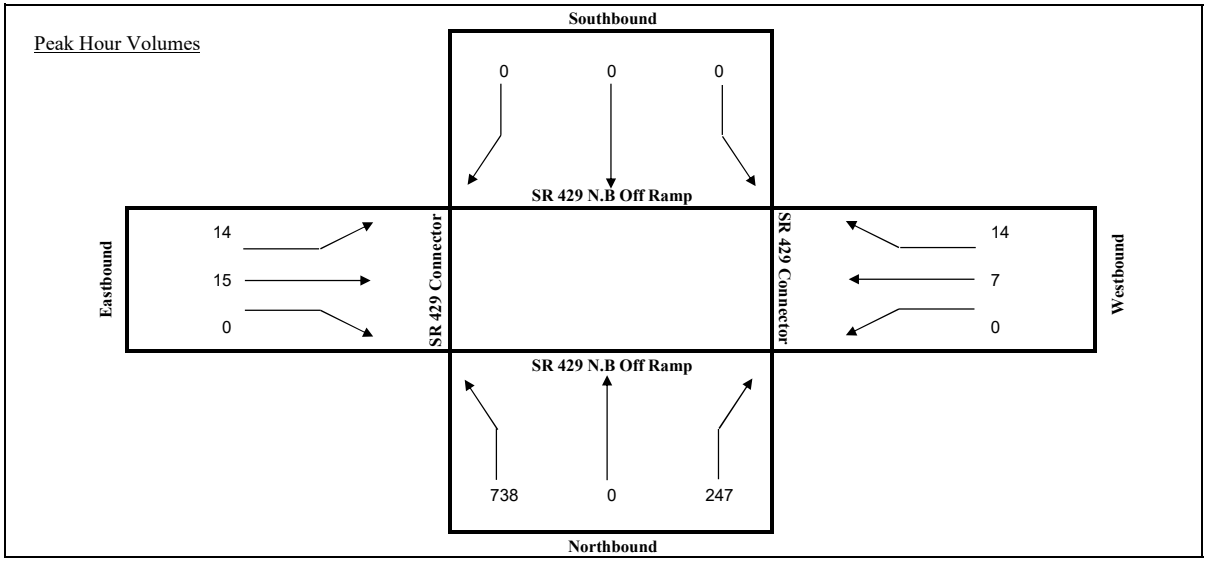


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 429 N.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

			SR 429 N.B Off Ramp			SR 429 N.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	202	0	45	0	0	0	5	1	0	0	5	4	262
	4:15 PM	4:30 PM	169	0	54	0	0	0	8	7	0	0	3	3	244
	4:30 PM	4:45 PM	189	0	61	0	0	0	5	6	0	0	3	5	269
	4:45 PM	5:00 PM	185	0	51	0	0	0	3	7	0	0	3	8	257
	5:00 PM	5:15 PM	172	0	55	0	0	0	5	4	0	0	1	4	241
	5:15 PM	5:30 PM	188	0	70	0	0	0	2	2	0	0	2	1	265
	5:30 PM	5:45 PM	193	0	71	0	0	0	4	2	0	0	1	1	272
	5:45 PM	6:00 PM	166	0	76	0	0	0	2	2	0	0	2	1	249
Total for:	4:00 PM	5:00 PM	745	0	211	0	0	0	21	21	0	0	14	20	1032
Total for:	5:00 PM	6:00 PM	719	0	272	0	0	0	13	10	0	0	6	7	1027
Tota Peak Hour:	4:45 PM	5:45 PM	738	0	247	0	0	0	14	15	0	0	7	14	1035
Overall PHF:	0.95														

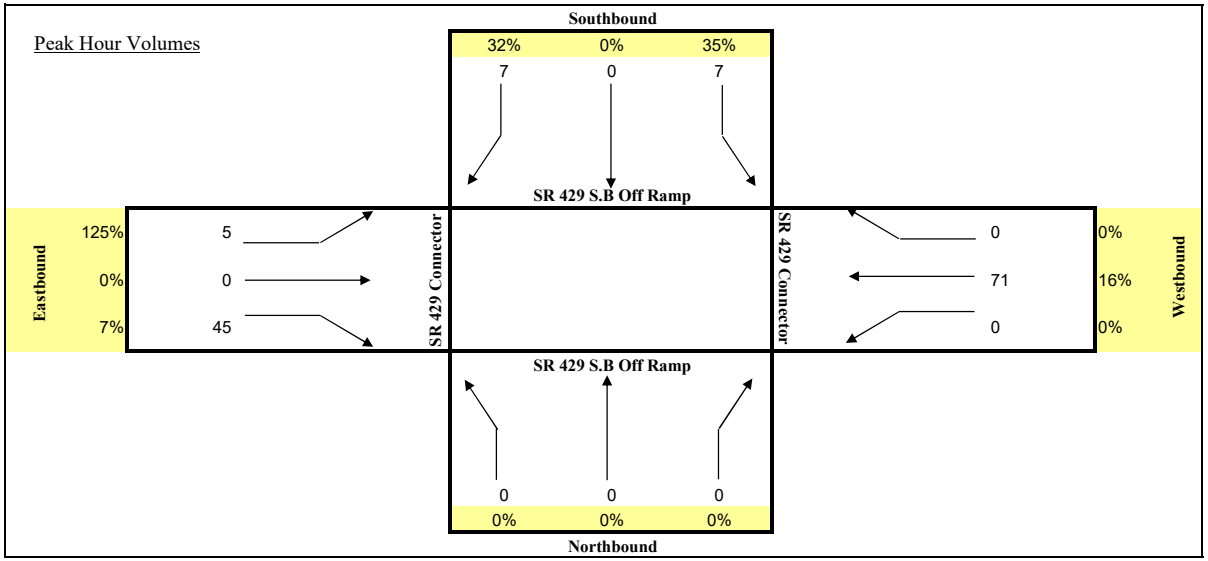


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 429 S.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		SR 429 S.B Off Ramp			SR 429 S.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	0	0	0	0	0	0	1	0	14	0	14	0	29
7:15 AM	7:30 AM	0	0	0	0	0	1	0	0	12	0	17	0	30
7:30 AM	7:45 AM	0	0	0	0	0	1	0	0	19	0	13	0	33
7:45 AM	8:00 AM	0	0	0	0	0	0	0	0	9	0	16	0	25
8:00 AM	8:15 AM	0	0	0	2	0	2	1	0	16	0	13	0	34
8:15 AM	8:30 AM	0	0	0	2	0	1	2	0	11	0	18	0	34
8:30 AM	8:45 AM	0	0	0	1	0	2	1	0	8	0	22	0	34
8:45 AM	9:00 AM	0	0	0	2	0	2	1	0	10	0	18	0	33
Total for:	7:00 AM	8:00 AM	0	0	0	0	0	2	1	0	54	0	60	0	117
Total for:	8:00 AM	9:00 AM	0	0	0	7	0	7	5	0	45	0	71	0	135
Tota Peak Hour:	8:00 AM	9:00 AM	0	0	0	7	0	7	5	0	45	0	71	0	135
Overall PHF:	0.99														

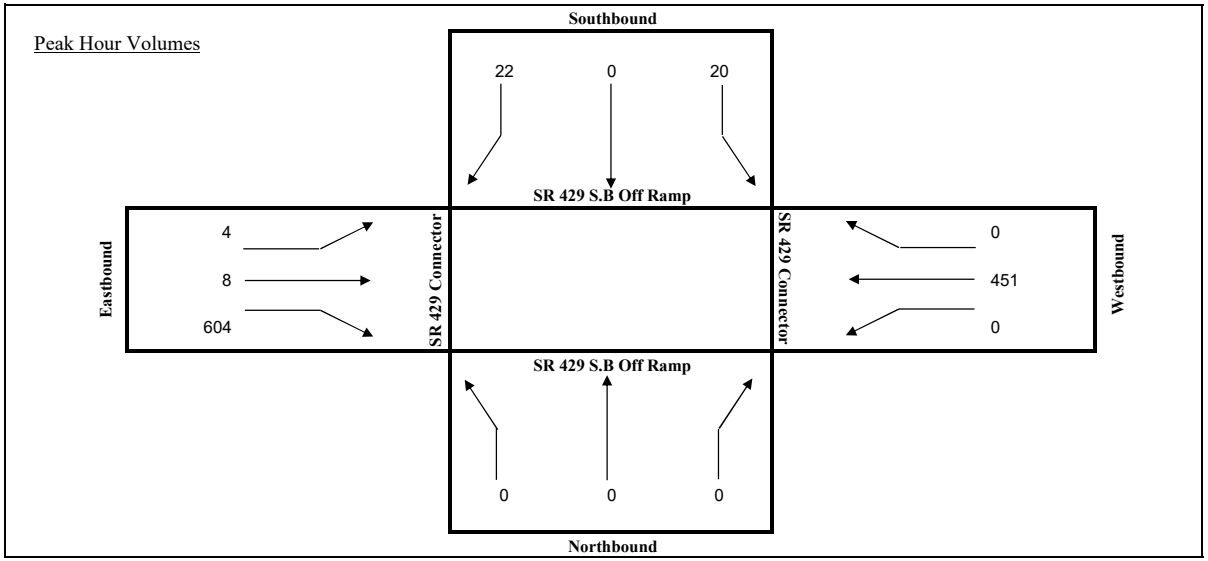


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): **SR 429 S.B Off Ramp**
(E/W) **SR 429 Connector Rd**
Date: **7/1/2020**

		SR 429 S.B Off Ramp			SR 429 S.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	0	0	0	1	0	6	4	2	142	0	90	0	245
7:15 AM	7:30 AM	0	0	0	2	0	7	0	2	157	0	125	0	293
7:30 AM	7:45 AM	0	0	0	6	0	5	2	1	172	0	105	0	291
7:45 AM	8:00 AM	0	0	0	6	0	3	1	2	126	0	125	0	263
8:00 AM	8:15 AM	0	0	0	6	0	7	1	3	149	0	96	0	262
8:15 AM	8:30 AM	0	0	0	5	0	5	4	1	142	0	101	0	258
8:30 AM	8:45 AM	0	0	0	3	0	6	2	2	133	0	126	0	272
8:45 AM	9:00 AM	0	0	0	5	0	7	2	1	137	0	120	0	272
Total for:	7:00 AM	8:00 AM	0	0	0	15	0	21	7	7	597	0	445	0	1092
Total for:	8:00 AM	9:00 AM	0	0	0	19	0	25	9	7	561	0	443	0	1064
Tota Peak Hour:	7:15 AM	8:15 AM	0	0	0	20	0	22	4	8	604	0	451	0	1109
Overall PHF:	0.95														

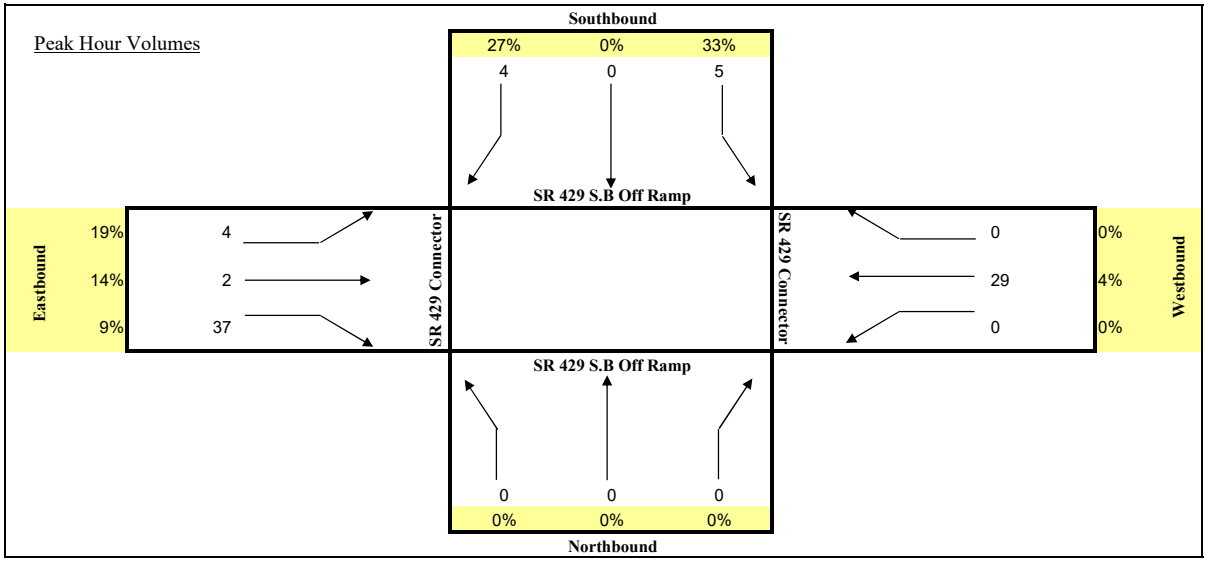


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 429 S.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

		SR 429 S.B Off Ramp			SR 429 S.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	0	14	0	10	0	24
4:15 PM	4:30 PM	0	0	0	1	0	2	2	0	5	0	7	0	17
4:30 PM	4:45 PM	0	0	0	2	0	1	1	1	7	0	5	0	17
4:45 PM	5:00 PM	0	0	0	1	0	1	1	1	7	0	8	0	19
5:00 PM	5:15 PM	0	0	0	2	0	0	1	0	7	0	7	0	17
5:15 PM	5:30 PM	0	0	0	0	0	2	1	0	16	0	9	0	28
5:30 PM	5:45 PM	0	0	0	0	0	1	1	0	2	0	5	0	9
5:45 PM	6:00 PM	0	0	0	0	0	0	0	0	9	0	6	0	15
Total for:	4:00 PM	5:00 PM	0	0	0	4	0	4	4	2	33	0	30	0	77
Total for:	5:00 PM	6:00 PM	0	0	0	2	0	3	3	0	34	0	27	0	69
Tota Peak Hour:	4:30 PM	5:30 PM	0	0	0	5	0	4	4	2	37	0	29	0	81
Overall PHF:	0.72														

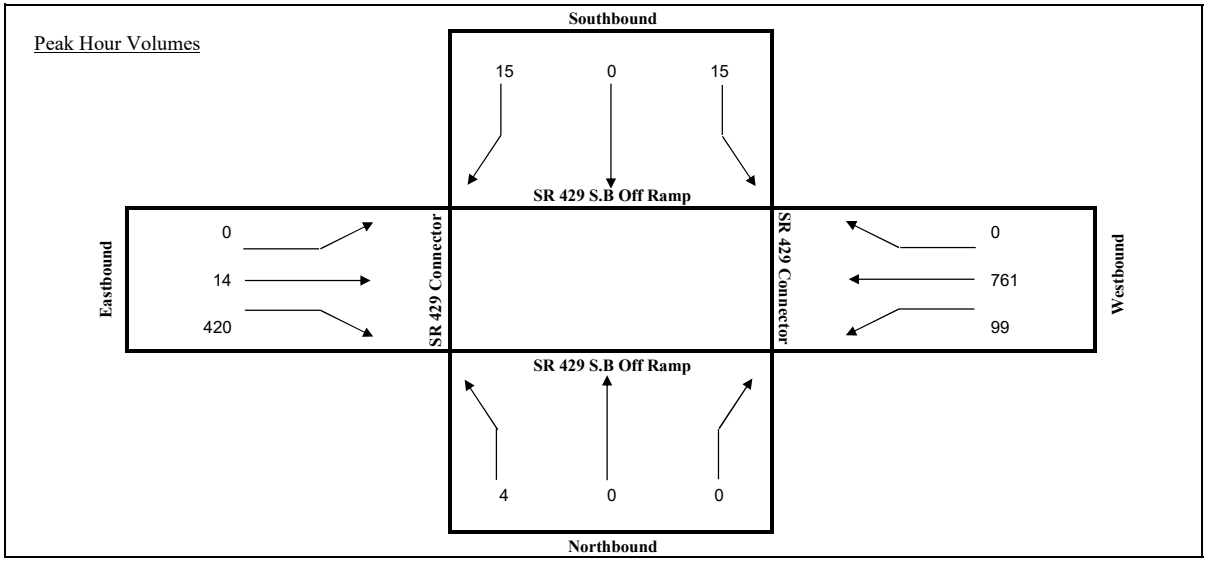


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): SR 429 S.B Off Ramp
Intersection (E/W): SR 429 Connector Rd
Date: 7/1/2020

			SR 429 S.B Off Ramp			SR 429 S.B Off Ramp			SR 429 Connector Rd			SR 429 Connector Rd			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	1	0	0	3	0	4	0	1	108	26	207	0	350
	4:15 PM	4:30 PM	1	0	0	2	0	3	0	3	95	29	172	0	305
	4:30 PM	4:45 PM	1	0	0	7	0	4	0	3	114	26	194	0	349
	4:45 PM	5:00 PM	1	0	0	3	0	4	0	7	103	18	188	0	324
	5:00 PM	5:15 PM	1	0	0	5	0	4	0	5	79	23	173	0	290
	5:15 PM	5:30 PM	1	0	0	2	0	7	0	2	118	14	190	0	334
	5:30 PM	5:45 PM	1	0	0	4	0	5	0	4	90	21	194	0	319
	5:45 PM	6:00 PM	0	0	0	2	0	4	0	1	97	25	168	0	297
Total for:	4:00 PM	5:00 PM	4	0	0	15	0	15	0	14	420	99	761	0	1328
Total for:	5:00 PM	6:00 PM	3	0	0	13	0	20	0	12	384	83	725	0	1240
Tota Peak Hour:	4:00 PM	5:00 PM	4	0	0	15	0	15	0	14	420	99	761	0	1328
Overall PHF:	0.95														

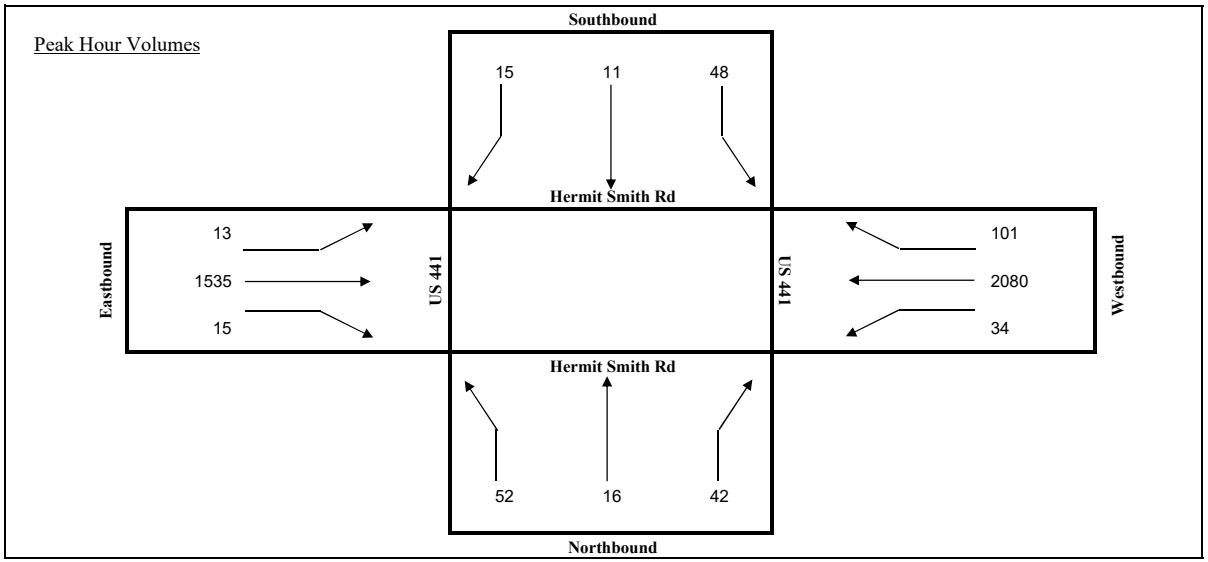


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Hermit Smith Rd
Intersection (E/W): US 441
Date: 10/12/2017

			Hermit Smith Rd			Hermit Smith Rd			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	9	5	6	8	5	5	5	348	2	7	391	22	813
	4:15 PM	4:30 PM	12	3	7	9	3	3	3	394	5	6	478	26	949
	4:30 PM	4:45 PM	10	4	7	11	4	4	4	416	3	5	521	33	1022
	4:45 PM	5:00 PM	19	3	8	10	2	4	2	371	3	7	506	18	953
	5:00 PM	5:15 PM	15	7	18	18	2	5	3	346	4	14	533	25	990
	5:15 PM	5:30 PM	8	2	9	9	3	2	4	402	5	8	520	25	997
	5:30 PM	5:45 PM	12	8	15	8	5	6	5	366	3	10	485	30	953
	5:45 PM	6:00 PM	13	3	12	9	2	4	6	372	5	12	422	24	884
Total for:	4:00 PM	5:00 PM	50	15	28	38	14	16	14	1529	13	25	1896	99	3737
Total for:	5:00 PM	6:00 PM	48	20	54	44	12	17	18	1486	17	44	1960	104	3824
Tota Peak Hour:	4:30 PM	5:30 PM	52	16	42	48	11	15	13	1535	15	34	2080	101	3962
Overall PHF:	0.97														

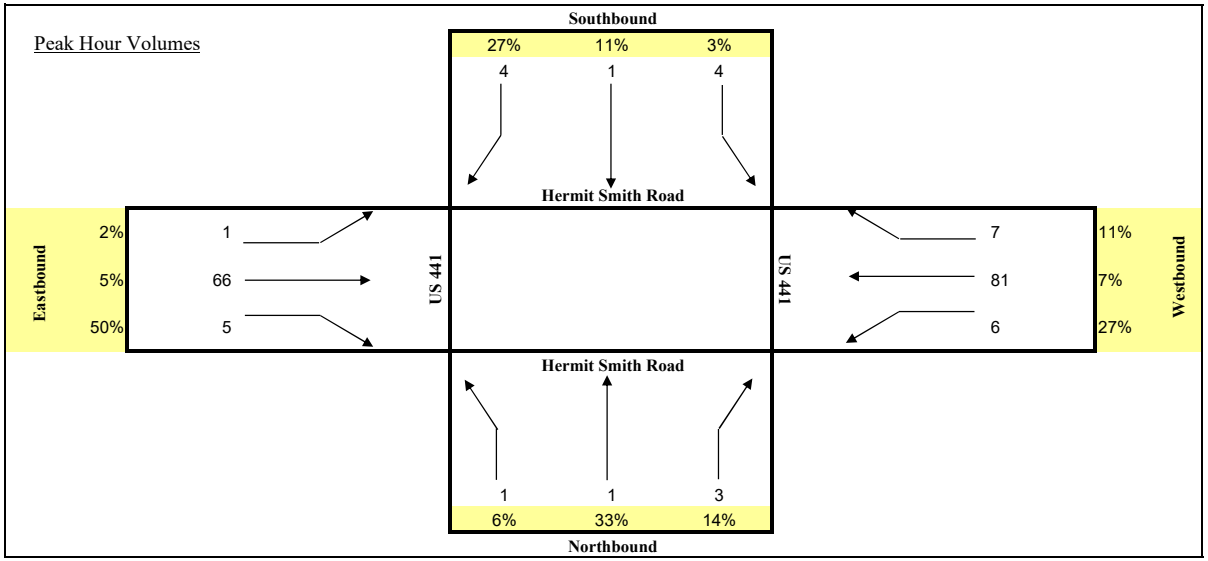


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Hermit Smith Road
Intersection (E/W): US 441
Date: 10/29/2020

			Hermit Smith Road			Hermit Smith Road			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	1	0	4	5	1	2	0	13	0	2	12	3	43
	7:15 AM	7:30 AM	0	0	2	1	0	1	0	14	0	0	18	0	36
	7:30 AM	7:45 AM	0	0	1	2	0	1	1	17	1	1	20	1	45
	7:45 AM	8:00 AM	0	0	1	1	1	0	0	20	2	3	19	0	47
	8:00 AM	8:15 AM	0	0	1	1	0	2	0	19	0	2	23	3	51
	8:15 AM	8:30 AM	1	0	1	1	0	1	1	11	0	1	17	2	36
	8:30 AM	8:45 AM	0	1	0	1	0	1	0	16	3	0	22	2	46
	8:45 AM	9:00 AM	0	0	1	1	1	0	1	18	2	1	20	1	46
Total for:	7:00 AM	8:00 AM	1	0	8	9	2	4	1	64	3	6	69	4	171
Total for:	8:00 AM	9:00 AM	1	1	3	4	1	4	2	64	5	4	82	8	179
Tota Peak Hour:	7:45 AM	8:45 AM	1	1	3	4	1	4	1	66	5	6	81	7	180
Overall PHF:	0.88														

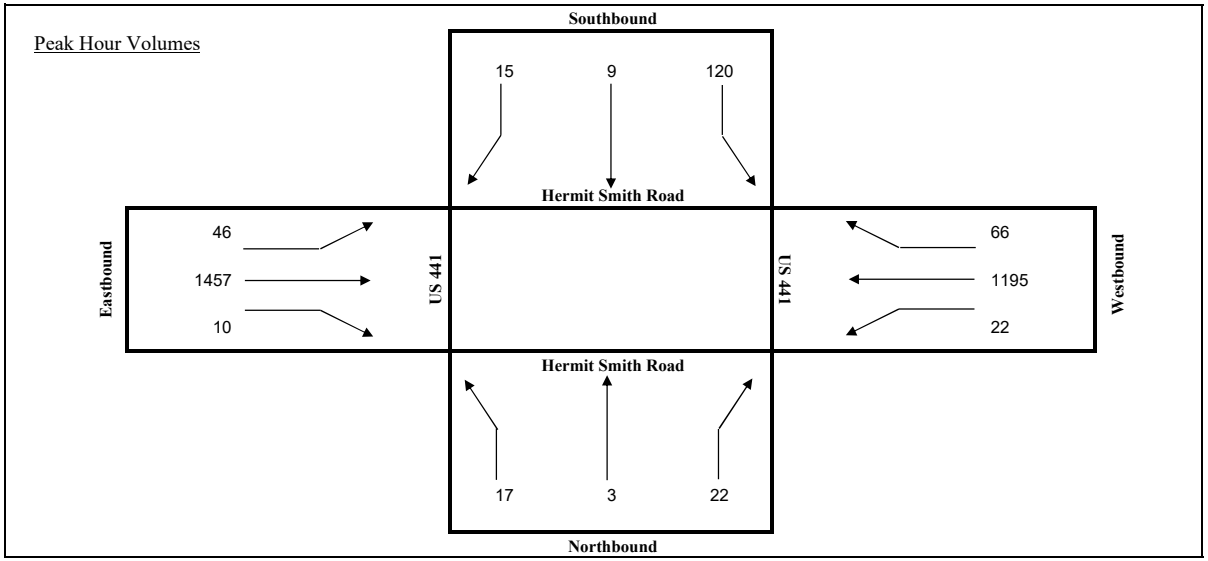


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Hermit Smith Road
(E/W) US 441
Date: 10/29/2020

			Hermit Smith Road			Hermit Smith Road			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	6	0	6	28	1	2	19	357	3	10	219	14	665
	7:15 AM	7:30 AM	4	0	5	33	4	2	8	382	3	7	306	9	763
	7:30 AM	7:45 AM	6	1	6	32	1	3	16	399	3	6	322	16	811
	7:45 AM	8:00 AM	5	0	6	26	3	5	10	360	3	6	295	17	736
	8:00 AM	8:15 AM	2	2	5	29	1	5	12	316	1	3	272	24	672
	8:15 AM	8:30 AM	3	2	2	34	2	6	10	340	2	6	241	18	666
	8:30 AM	8:45 AM	3	2	1	29	1	6	10	334	5	7	211	15	624
	8:45 AM	9:00 AM	4	1	4	31	2	4	13	343	5	4	223	16	650
Total for:	7:00 AM	8:00 AM	21	1	23	119	9	12	53	1498	12	29	1142	56	2975
Total for:	8:00 AM	9:00 AM	12	7	12	123	6	21	45	1333	13	20	947	73	2612
Tota Peak Hour:	7:15 AM	8:15 AM	17	3	22	120	9	15	46	1457	10	22	1195	66	2982
Overall PHF:	0.92														

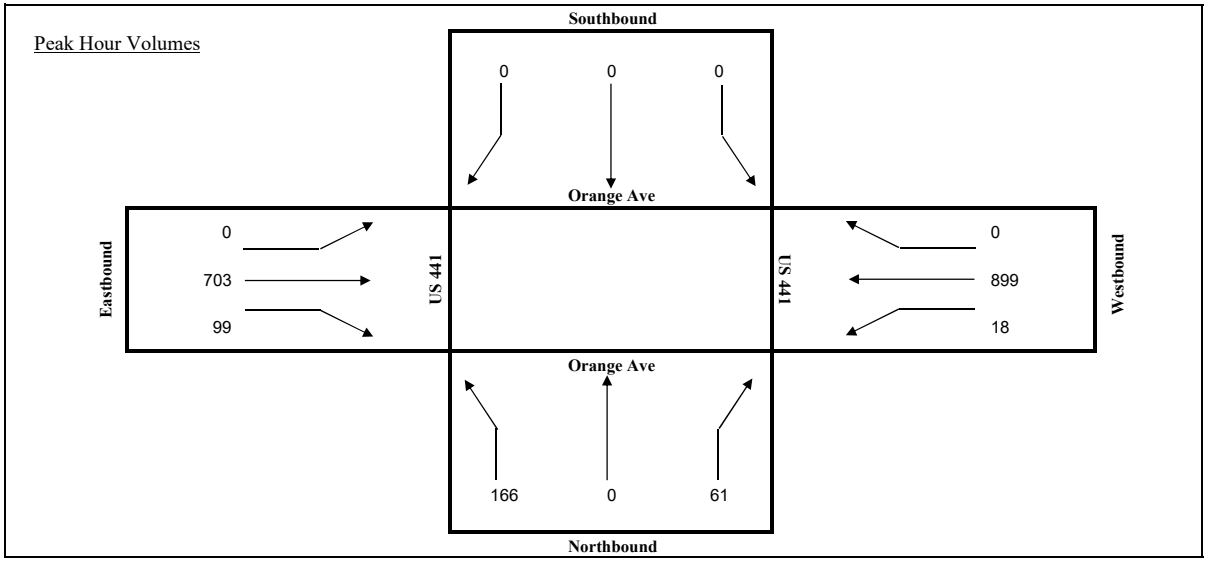


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Orange Ave
Intersection (E/W): US 441
Date: 8/28/2018

			Orange Ave NB			Orange Ave SB			US 441 EB			US 441 WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	28	0	12	0	0	0	0	117	15	5	171	0	348
	4:15 PM	4:30 PM	47	0	9	0	0	0	0	124	13	7	211	0	411
	4:30 PM	4:45 PM	38	0	20	0	0	0	0	136	30	6	243	0	473
	4:45 PM	5:00 PM	43	0	15	0	0	0	0	150	18	3	200	0	429
	5:00 PM	5:15 PM	38	0	29	0	0	0	0	194	37	4	249	0	551
	5:15 PM	5:30 PM	43	0	10	0	0	0	0	178	22	7	220	0	480
	5:30 PM	5:45 PM	59	0	13	0	0	0	0	180	15	6	207	0	480
	5:45 PM	6:00 PM	26	0	9	0	0	0	0	151	25	1	223	0	435
Total for:	4:00 PM	5:00 PM	156	0	56	0	0	0	0	527	76	21	825	0	1661
Total for:	5:00 PM	6:00 PM	166	0	61	0	0	0	0	703	99	18	899	0	1946
Tota Peak Hour:	5:00 PM	6:00 PM	166	0	61	0	0	0	0	703	99	18	899	0	1946
Overall PHF:	0.88														

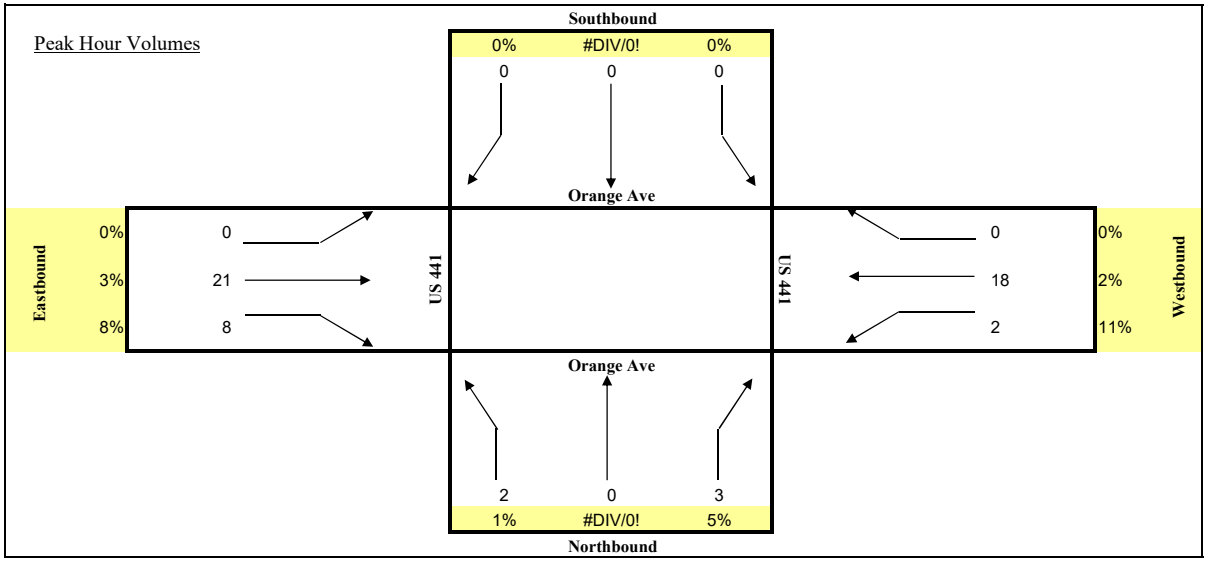


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Orange Ave
Intersection (E/W): US 441
Date: 8/28/2018

		Orange Ave			Orange Ave			US 441			US 441			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	3	0	0	5	0	8
4:15 PM	4:30 PM	0	0	2	0	0	0	0	6	1	1	4	0	14
4:30 PM	4:45 PM	0	0	0	0	0	0	0	4	2	1	3	0	10
4:45 PM	5:00 PM	1	0	1	0	0	0	0	5	1	0	6	0	14
5:00 PM	5:15 PM	1	0	0	0	0	0	0	6	4	0	5	0	16
5:15 PM	5:30 PM	1	0	0	0	0	0	0	4	0	0	3	0	8
5:30 PM	5:45 PM	1	0	0	0	0	0	0	4	2	0	5	0	12
5:45 PM	6:00 PM	2	0	0	0	0	0	0	5	1	1	4	0	13
Total for:	4:00 PM	5:00 PM	1	0	3	0	0	0	0	18	4	2	18	0	46
Total for:	5:00 PM	6:00 PM	5	0	0	0	0	0	0	19	7	1	17	0	49
Tota Peak Hour:	4:15 PM	5:15 PM	2	0	3	0	0	0	0	21	8	2	18	0	54
Overall PHF:	0.84														

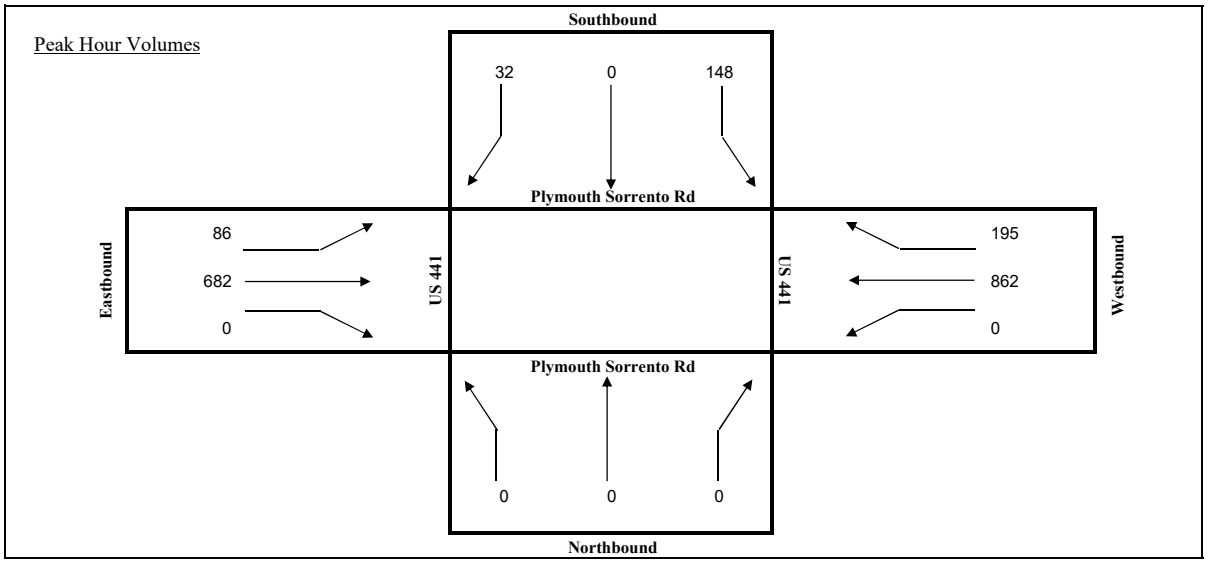


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
Intersection (E/W): US 441
Date: 8/28/2018

			Plymouth Sorrento Rd			Plymouth Sorrento Rd			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	4:00 PM	4:15 PM	0	0	0	31	0	7	20	111	0	0	166	46	381
	4:15 PM	4:30 PM	0	0	0	39	0	6	15	119	0	0	200	45	424
	4:30 PM	4:45 PM	0	0	0	36	0	8	18	140	0	0	236	47	485
	4:45 PM	5:00 PM	0	0	0	29	0	3	14	152	0	0	195	46	439
	5:00 PM	5:15 PM	0	0	0	36	0	4	29	197	0	0	245	43	554
	5:15 PM	5:30 PM	0	0	0	33	0	11	19	172	0	0	211	49	495
	5:30 PM	5:45 PM	0	0	0	40	0	7	21	169	0	0	196	55	488
	5:45 PM	6:00 PM	0	0	0	39	0	10	17	144	0	0	210	48	468
Total for:	4:00 PM	5:00 PM	0	0	0	135	0	24	67	522	0	0	797	184	1729
Total for:	5:00 PM	6:00 PM	0	0	0	148	0	32	86	682	0	0	862	195	2005
Tota Peak Hour:	5:00 PM	6:00 PM	0	0	0	148	0	32	86	682	0	0	862	195	2005
Overall PHF:	0.90														

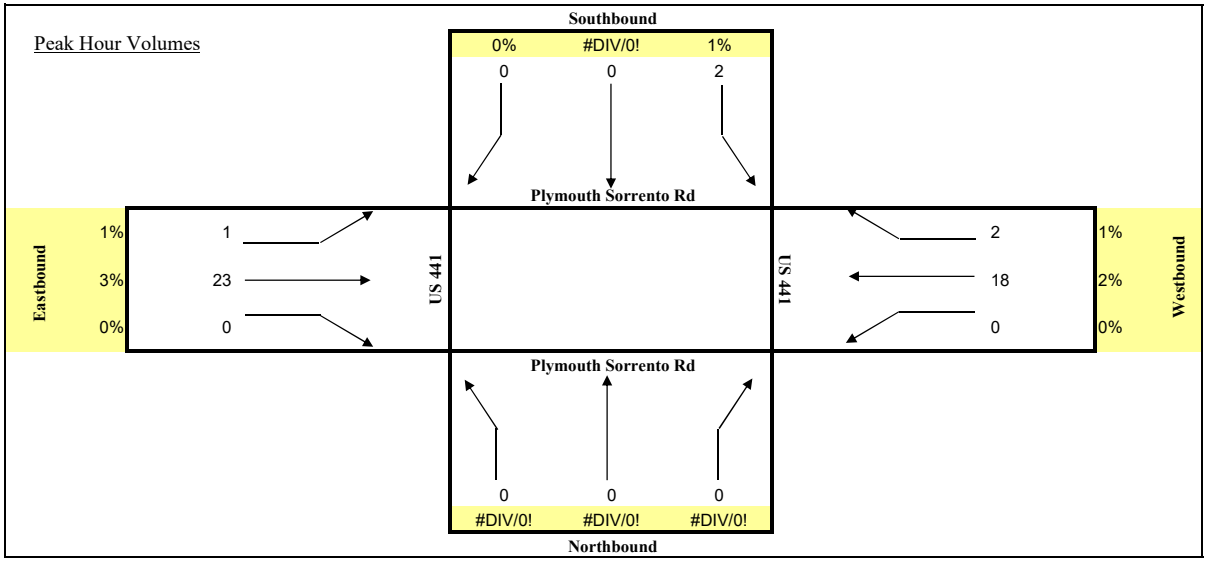


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Rd
Intersection (E/W): US 441
Date: 8/28/2018

		Plymouth Sorrento Rd			Plymouth Sorrento Rd			US 441			US 441			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	1	0	1	0	3	0	0	4	0	9
4:15 PM	4:30 PM	0	0	0	0	0	0	0	8	0	0	5	0	13
4:30 PM	4:45 PM	0	0	0	0	0	0	0	4	0	0	4	0	8
4:45 PM	5:00 PM	0	0	0	2	0	0	0	6	0	0	4	1	13
5:00 PM	5:15 PM	0	0	0	0	0	0	1	5	0	0	5	1	12
5:15 PM	5:30 PM	0	0	0	2	0	0	0	4	0	0	1	2	9
5:30 PM	5:45 PM	0	0	0	0	0	0	0	4	0	0	5	0	9
5:45 PM	6:00 PM	0	0	0	1	0	1	0	5	0	0	3	0	10
Total for:	4:00 PM	5:00 PM	0	0	0	3	0	1	0	21	0	0	17	1	43
Total for:	5:00 PM	6:00 PM	0	0	0	3	0	1	1	18	0	0	14	3	40
Tota Peak Hour:	4:15 PM	5:15 PM	0	0	0	2	0	0	1	23	0	0	18	2	46
Overall PHF:	0.88														

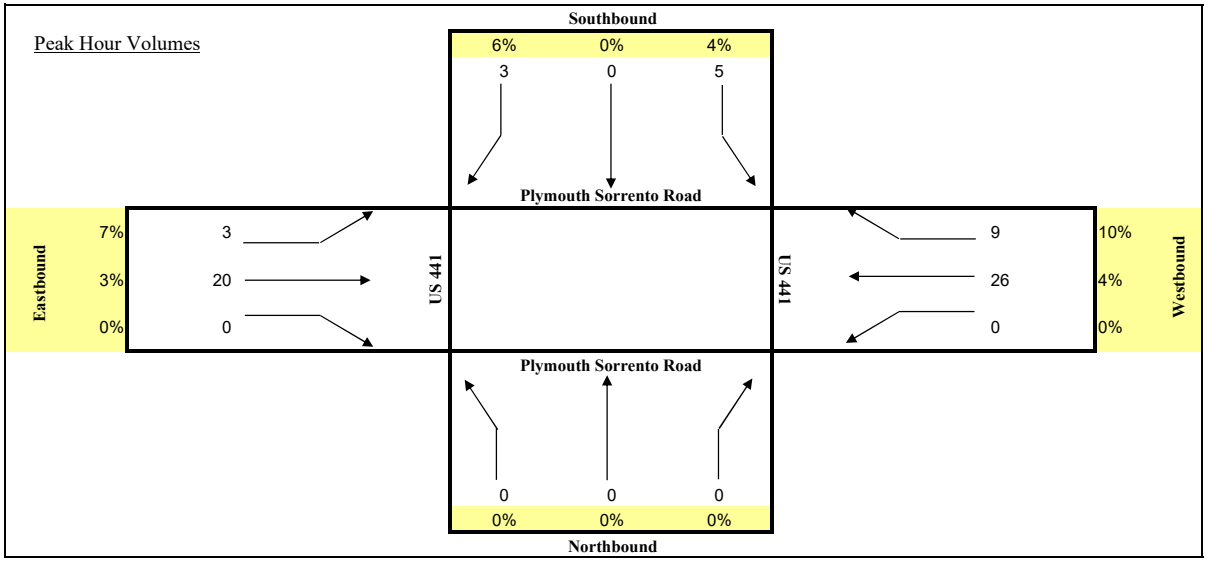


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Plymouth Sorrento Road
Intersection (E/W): US 441
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	0	0	0	0	0	0	1	5	0	0	7	1	14
	7:15 AM	7:30 AM	0	0	0	1	0	0	0	8	0	0	5	2	16
	7:30 AM	7:45 AM	0	0	0	1	0	1	1	4	0	0	8	1	16
	7:45 AM	8:00 AM	0	0	0	2	0	0	0	3	0	0	5	2	12
	8:00 AM	8:15 AM	0	0	0	1	0	2	2	5	0	0	8	4	22
	8:15 AM	8:30 AM	0	0	0	2	0	1	1	3	0	0	5	2	14
	8:30 AM	8:45 AM	0	0	0	2	0	0	0	4	0	0	6	5	17
	8:45 AM	9:00 AM	0	0	0	2	0	1	1	3	0	0	3	2	12
Total for:	7:00 AM	8:00 AM	0	0	0	4	0	1	2	20	0	0	25	6	58
Total for:	8:00 AM	9:00 AM	0	0	0	7	0	4	4	15	0	0	22	13	65
Tota Peak Hour:	7:15 AM	8:15 AM	0	0	0	5	0	3	3	20	0	0	26	9	66
Overall PHF:	0.75														

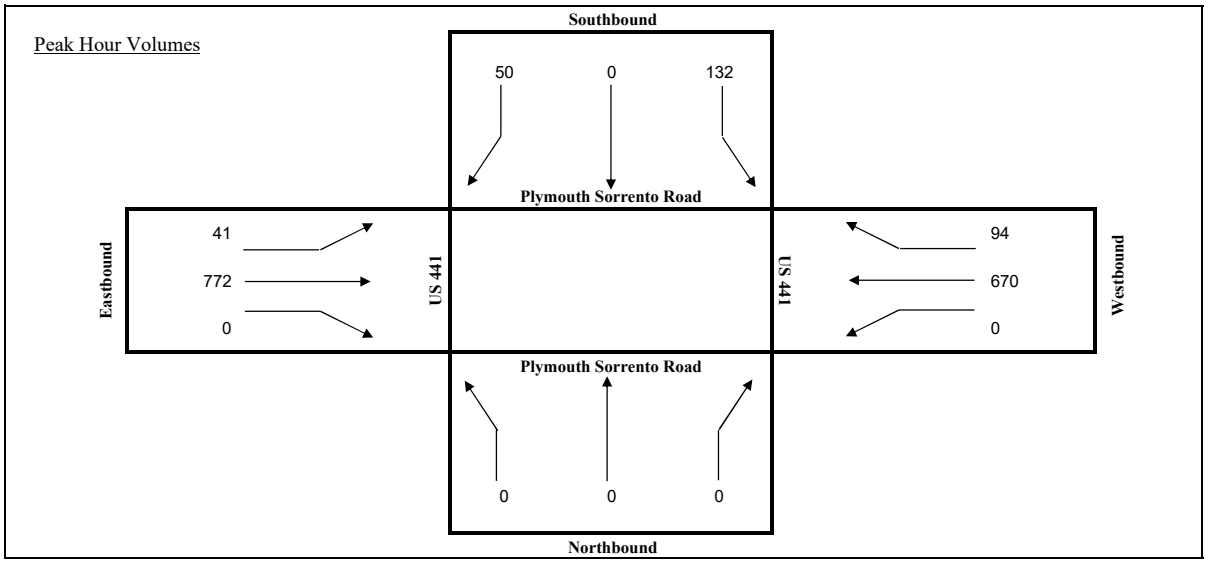


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Plymouth Sorrento Road
(E/W) US 441
Date: 10/29/2020

			Plymouth Sorrento Road			Plymouth Sorrento Road			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	0	0	0	27	0	5	15	199	0	0	140	23	409
	7:15 AM	7:30 AM	0	0	0	39	0	15	5	198	0	0	175	24	456
	7:30 AM	7:45 AM	0	0	0	31	0	12	10	192	0	0	195	21	461
	7:45 AM	8:00 AM	0	0	0	35	0	18	11	183	0	0	160	26	433
	8:00 AM	8:15 AM	0	0	0	30	0	22	10	178	0	0	137	29	406
	8:15 AM	8:30 AM	0	0	0	33	0	18	10	180	0	0	127	22	390
	8:30 AM	8:45 AM	0	0	0	30	0	10	7	162	0	0	115	24	348
	8:45 AM	9:00 AM	0	0	0	24	0	10	8	162	0	0	104	23	331
Total for:	7:00 AM	8:00 AM	0	0	0	132	0	50	41	772	0	0	670	94	1759
Total for:	8:00 AM	9:00 AM	0	0	0	117	0	60	35	682	0	0	483	98	1475
Tota Peak Hour:	7:00 AM	8:00 AM	0	0	0	132	0	50	41	772	0	0	670	94	1759
Overall PHF:	0.95														

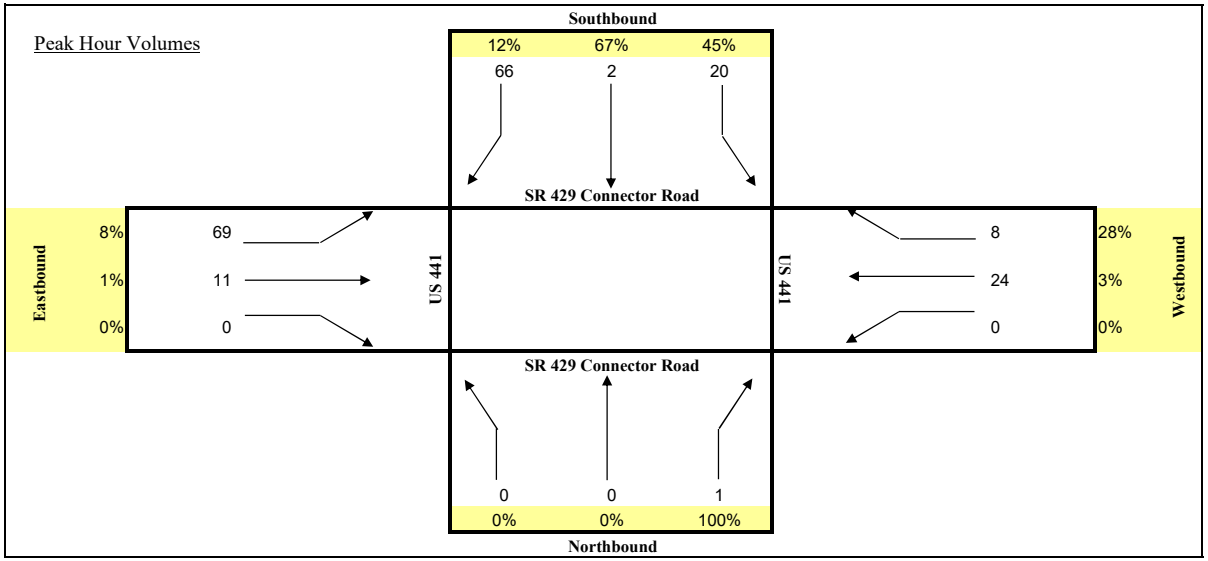


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): SR 429 Connector Road
Intersection (E/W): US 441
Date: 10/29/2020

			SR 429 Connector Road			SR 429 Connector Road			US 441			US 441			
			NB			SB			EB			WB			
Start	End		L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM		0	1	0	2	0	16	17	5	0	0	1	1	43
7:15 AM	7:30 AM		0	0	0	10	1	14	14	3	0	0	4	2	48
7:30 AM	7:45 AM		0	0	0	2	0	14	16	4	0	0	8	2	46
7:45 AM	8:00 AM		0	0	1	3	0	17	20	2	0	0	5	1	49
8:00 AM	8:15 AM		0	0	0	5	1	21	19	2	0	0	7	3	58
8:15 AM	8:30 AM		1	0	0	1	0	16	10	3	0	1	4	1	37
8:30 AM	8:45 AM		0	1	1	1	1	20	13	4	0	0	4	2	47
8:45 AM	9:00 AM		0	0	0	1	0	19	16	4	0	0	3	2	45
Total for:	7:00 AM	8:00 AM	0	1	1	17	1	61	67	14	0	0	18	6	186
Total for:	8:00 AM	9:00 AM	1	1	1	8	2	76	58	13	0	1	18	8	187
Tota Peak Hour:	7:15 AM	8:15 AM	0	0	1	20	2	66	69	11	0	0	24	8	201
Overall PHF:	0.87														

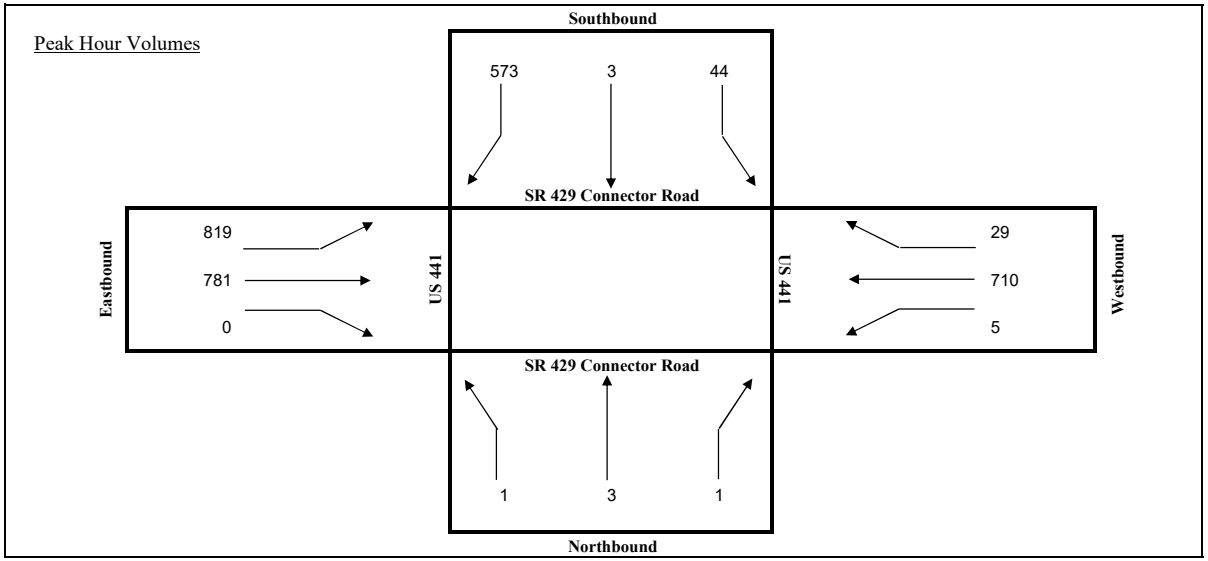


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): **SR 429 Connector Road**
(E/W) **US 441**
Date: **10/29/2020**

			SR 429 Connector Road			SR 429 Connector Road			US 441			US 441			
			NB			SB			EB			WB			
	Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
	7:00 AM	7:15 AM	0	1	0	7	0	111	165	216	0	2	132	10	644
	7:15 AM	7:30 AM	0	0	0	14	1	132	206	214	0	2	190	7	766
	7:30 AM	7:45 AM	0	0	0	8	1	141	236	200	0	1	203	6	796
	7:45 AM	8:00 AM	1	1	1	8	0	150	201	190	0	2	168	8	730
	8:00 AM	8:15 AM	0	2	0	14	1	150	176	177	0	0	149	8	677
	8:15 AM	8:30 AM	2	0	1	9	0	140	186	188	0	3	125	12	666
	8:30 AM	8:45 AM	0	1	1	5	1	125	194	167	0	1	108	10	613
	8:45 AM	9:00 AM	0	1	1	6	0	146	207	170	0	1	97	7	636
Total for:	7:00 AM	8:00 AM	1	2	1	37	2	534	808	820	0	7	693	31	2936
Total for:	8:00 AM	9:00 AM	2	4	3	34	2	561	763	702	0	5	479	37	2592
Tota Peak Hour:	7:15 AM	8:15 AM	1	3	1	44	3	573	819	781	0	5	710	29	2969
Overall PHF:	0.93														

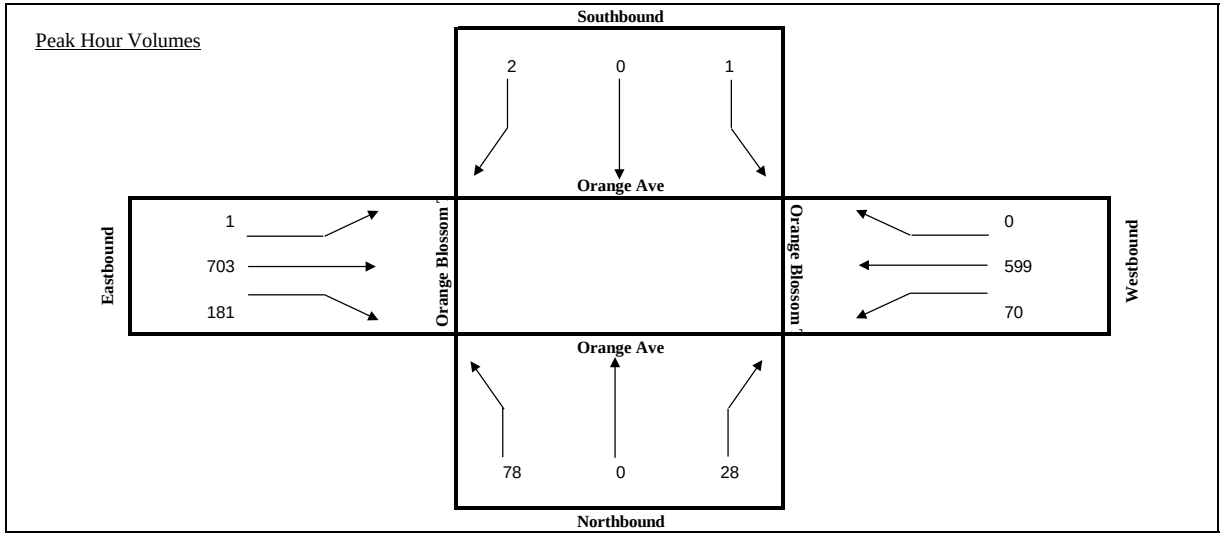


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Orange Ave
(E/W) Orange Blossom Trail
Date: 6/9/2020

		Orange Ave			Orange Ave			Orange Blossom Trail			Orange Blossom Trail			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	24	0	11	0	0	0	0	179	45	16	140	0	415
7:15 AM	7:30 AM	18	0	5	0	0	0	0	171	37	16	161	0	408
7:30 AM	7:45 AM	21	0	8	1	0	1	1	167	50	20	159	0	428
7:45 AM	8:00 AM	15	0	4	0	0	1	0	186	49	18	139	0	412
8:00 AM	8:15 AM	20	0	10	0	0	0	0	195	20	9	138	0	392
8:15 AM	8:30 AM	16	0	5	1	0	1	0	167	27	9	136	0	362
8:30 AM	8:45 AM	17	0	3	2	0	0	0	164	29	16	135	0	366
8:45 AM	9:00 AM	15	0	5	0	1	0	0	155	33	13	138	1	361
Total for:	7:00 AM	8:00 AM	78	0	28	1	0	2	1	703	181	70	599	0	1663
Total for:	8:00 AM	9:00 AM	68	0	23	3	1	1	0	681	109	47	547	1	1481
Tota Peak Hour:	7:00 AM	8:00 AM	78	0	28	1	0	2	1	703	181	70	599	0	1663
Overall PHF:	0.97														

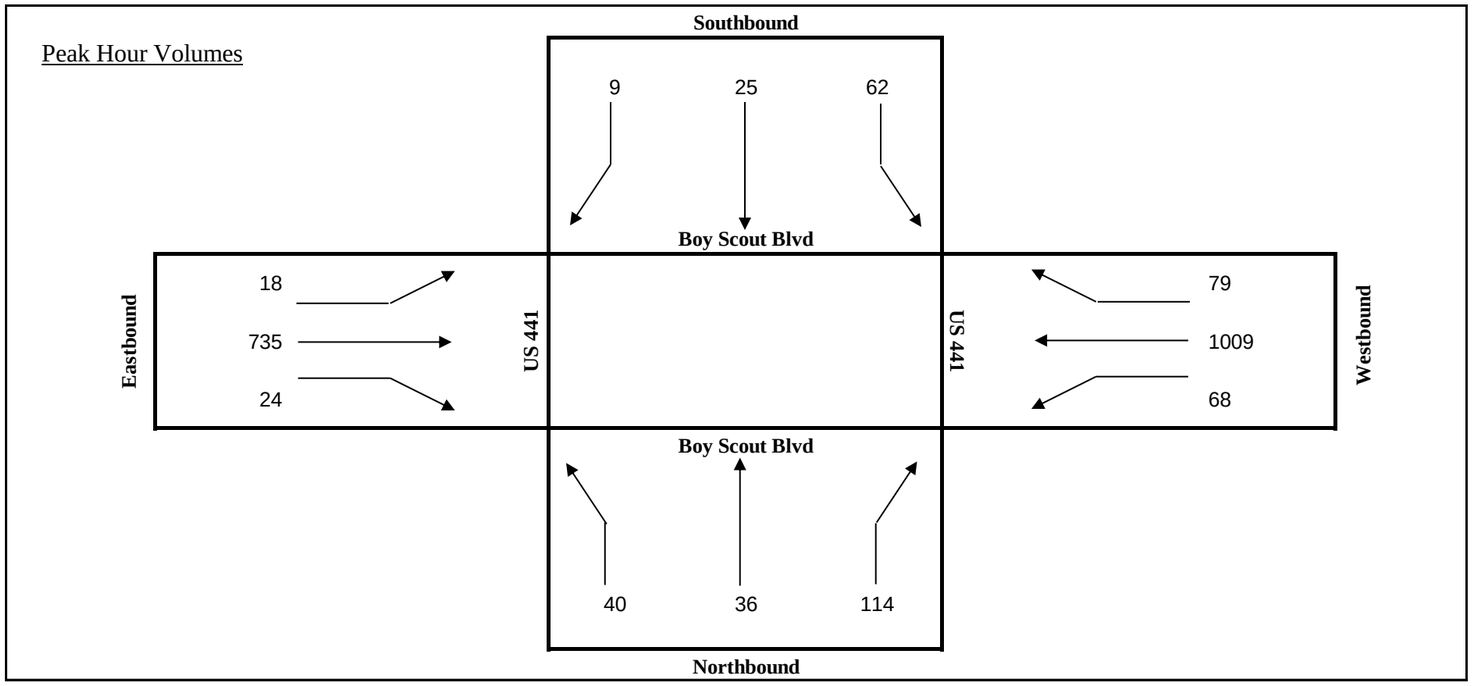


TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Boy Scout Blvd
Intersection (E/W): US 441
Date: 3/13/2018

		Boy Scout Blvd			Boy Scout Blvd			US 441			US 441			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	12	4	27	8	5	4	2	170	3	26	212	11	484
4:15 PM	4:30 PM	9	10	33	6	9	4	1	196	8	30	223	19	548
4:30 PM	4:45 PM	8	24	47	10	5	0	1	230	5	22	225	9	586
4:45 PM	5:00 PM	9	13	24	10	11	0	1	139	9	20	199	17	452
5:00 PM	5:15 PM	10	12	33	13	9	2	4	158	4	17	255	20	537
5:15 PM	5:30 PM	9	10	30	15	5	0	3	201	6	20	270	19	588
5:30 PM	5:45 PM	11	8	25	20	6	3	5	186	8	12	248	22	554
5:45 PM	6:00 PM	10	6	26	14	5	4	6	190	6	19	236	18	540
Total for:	4:00 PM	5:00 PM	38	51	131	34	30	8	5	735	25	98	859	56	2070
Total for:	5:00 PM	6:00 PM	40	36	114	62	25	9	18	735	24	68	1009	79	2219
Tota Peak Hour:	5:00 PM	6:00 PM	40	36	114	62	25	9	18	735	24	68	1009	79	2219
Overall PHF:	0.94														

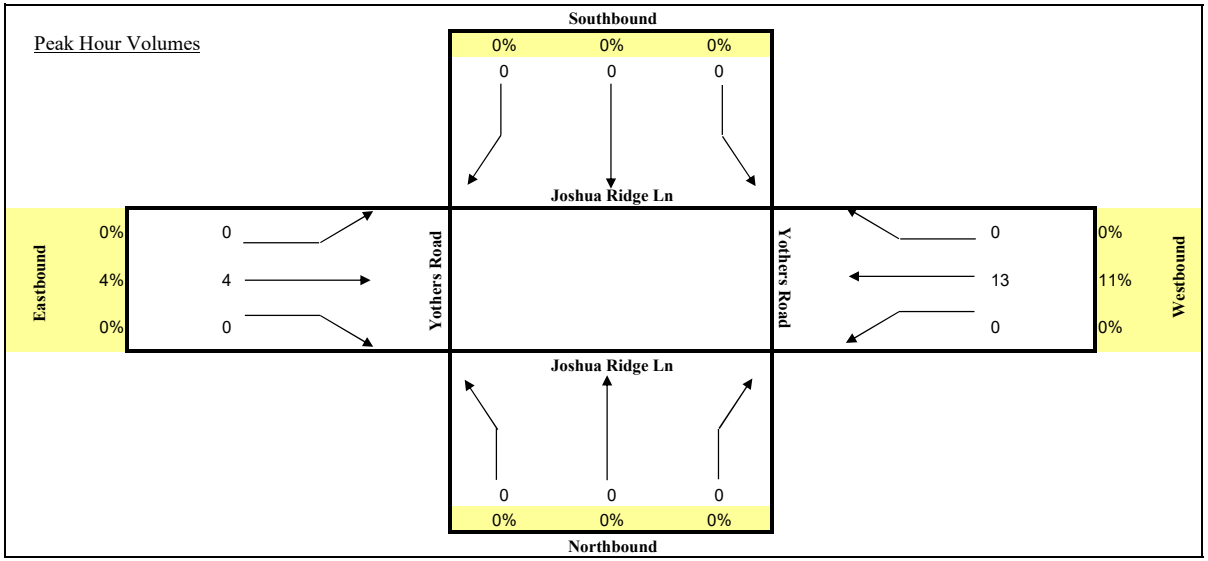


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Joshua Ridge Ln
Intersection (E/W): Yothers Road
Date: 10/29/2020

		Joshua Ridge Ln			Joshua Ridge Ln			Yothers Road			Yothers Road			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	0	0	0	0	0	0	0	0	0	0	2	0	2
7:15 AM	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	7:45 AM	0	0	0	0	0	0	0	0	0	0	5	0	5
7:45 AM	8:00 AM	0	0	0	0	0	0	0	1	0	0	3	0	4
8:00 AM	8:15 AM	0	0	0	0	0	0	0	2	0	0	1	0	3
8:15 AM	8:30 AM	0	0	0	0	0	0	0	1	0	0	4	0	5
8:30 AM	8:45 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
8:45 AM	9:00 AM	0	0	0	0	0	0	0	2	0	0	2	0	4
Total for:	7:00 AM	8:00 AM	0	0	0	0	0	0	0	1	0	0	10	0	11
Total for:	8:00 AM	9:00 AM	0	0	0	0	0	0	0	6	0	0	8	0	14
Tota Peak Hour:	7:30 AM	8:30 AM	0	0	0	0	0	0	0	4	0	0	13	0	17
Overall PHF:	0.85														



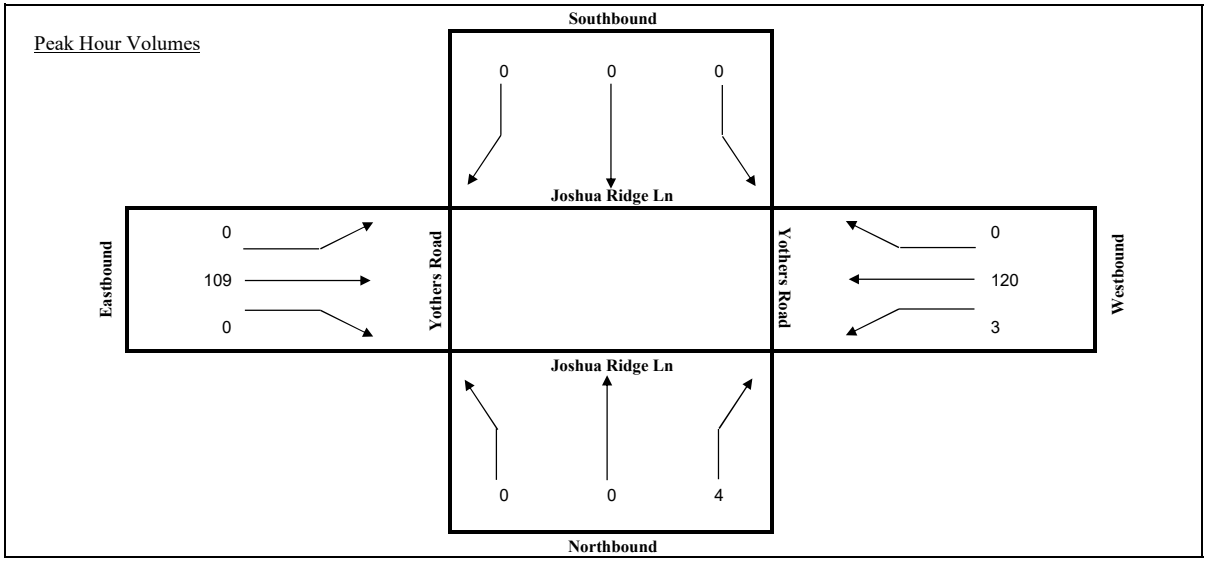
TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Joshua Ridge Ln
(E/W) Yothers Road
Date: 10/29/2020

		Joshua Ridge Ln			Joshua Ridge Ln			Yothers Road			Yothers Road			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
7:00 AM	7:15 AM	0	0	0	0	0	0	0	19	0	0	22	0	41
7:15 AM	7:30 AM	0	0	1	0	0	0	0	22	0	0	28	0	51
7:30 AM	7:45 AM	0	0	3	0	0	0	0	33	0	0	32	0	68
7:45 AM	8:00 AM	0	0	0	0	0	0	0	23	0	0	35	0	58
8:00 AM	8:15 AM	0	0	1	0	0	0	0	27	0	1	23	0	52
8:15 AM	8:30 AM	0	0	0	0	0	0	0	26	0	2	30	0	58
8:30 AM	8:45 AM	0	0	0	0	0	0	0	25	0	0	31	0	56
8:45 AM	9:00 AM	0	0	0	0	0	0	0	29	0	0	20	0	49
Total for:	7:00 AM	8:00 AM	0	0	4	0	0	0	0	97	0	0	117	0	218
Total for:	8:00 AM	9:00 AM	0	0	1	0	0	0	0	107	0	3	104	0	215
Tota Peak Hour:	7:30 AM	8:30 AM	0	0	4	0	0	0	0	109	0	3	120	0	236
Overall PHF:	0.87														

Peak Hour Volumes

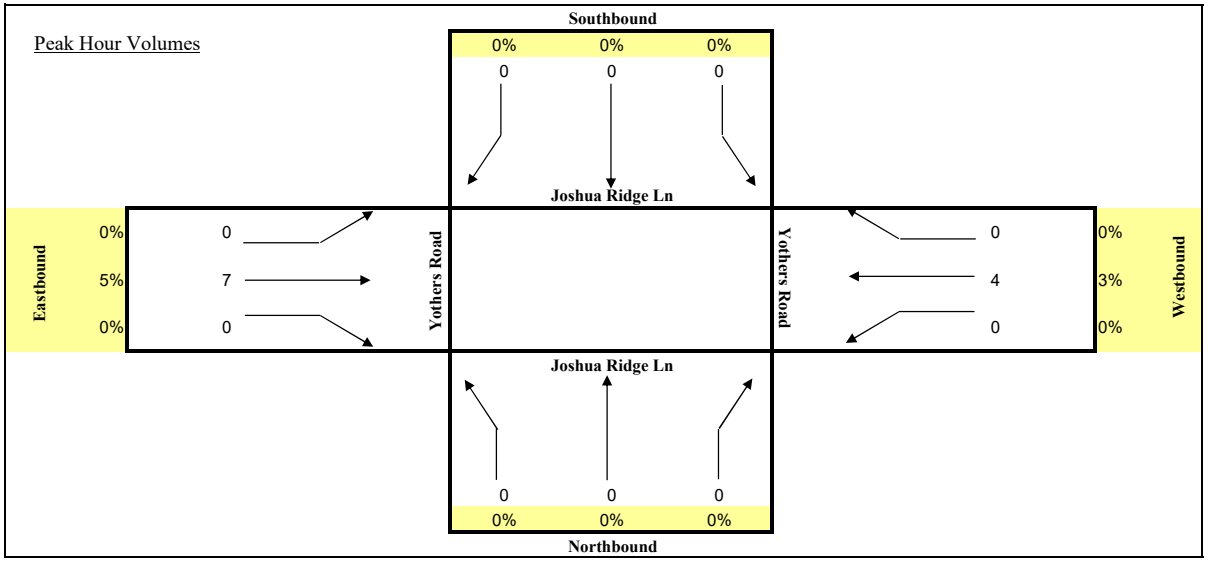


TURNING MOVEMENT COUNT ANALYSIS

TRUCKS

Intersection (N/S): Joshua Ridge Ln
Intersection (E/W): Yothers Road
Date: 10/29/2020

		Joshua Ridge Ln			Joshua Ridge Ln			Yothers Road			Yothers Road			
		NB			SB			EB			WB			
Start	End	R	T	L	R	T	L	R	T	L	R	T	L	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
4:15 PM	4:30 PM	0	0	0	0	0	0	0	1	0	0	1	0	2
4:30 PM	4:45 PM	0	0	0	0	0	0	0	4	0	0	2	0	6
4:45 PM	5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 PM	5:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
5:15 PM	5:30 PM	0	0	0	0	0	0	0	0	0	1	1	0	2
5:30 PM	5:45 PM	0	0	1	0	0	0	0	1	0	0	0	0	2
5:45 PM	6:00 PM	0	0	0	0	0	0	0	2	0	0	2	0	4
Total for:	4:00 PM	5:00 PM	0	0	0	0	0	0	0	7	0	0	4	0	11
Total for:	5:00 PM	6:00 PM	0	0	1	0	0	0	0	4	0	1	3	0	9
Tota Peak Hour:	4:00 PM	5:00 PM	0	0	0	0	0	0	0	7	0	0	4	0	11
Overall PHF:	0.46														



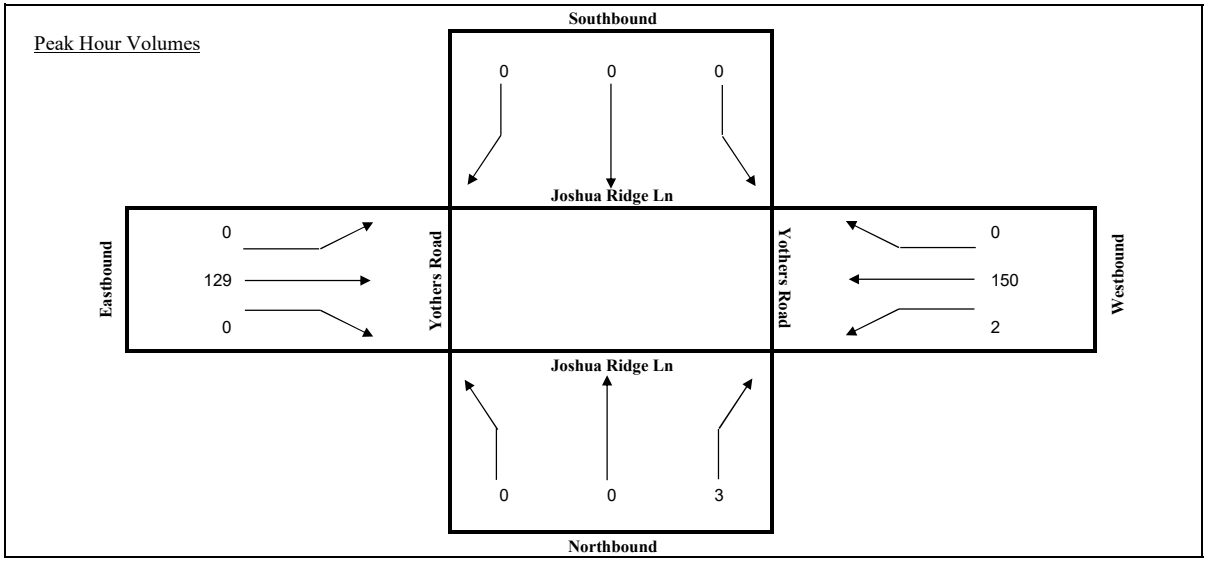
TURNING MOVEMENT COUNT ANALYSIS

AUTOS & TRUCKS

Intersection (N/S): Joshua Ridge Ln
Intersection (E/W): Yothers Road
Date: 10/29/2020

		Joshua Ridge Ln			Joshua Ridge Ln			Yothers Road			Yothers Road			
		NB			SB			EB			WB			
Start	End	L	T	R	L	T	R	L	T	R	L	T	R	TOTAL
4:00 PM	4:15 PM	0	0	0	0	0	0	0	23	0	0	23	0	46
4:15 PM	4:30 PM	0	0	1	0	0	0	0	35	0	1	37	0	74
4:30 PM	4:45 PM	0	0	0	0	0	0	0	34	0	1	34	0	69
4:45 PM	5:00 PM	0	0	0	0	0	0	0	31	0	0	37	0	68
5:00 PM	5:15 PM	0	0	2	0	0	0	0	30	0	1	36	0	69
5:15 PM	5:30 PM	0	0	0	0	0	0	0	34	0	1	41	0	76
5:30 PM	5:45 PM	0	0	1	0	0	0	0	30	0	0	34	0	65
5:45 PM	6:00 PM	0	0	0	0	0	0	0	35	0	0	39	0	74
Total for:	4:00 PM	5:00 PM	0	0	1	0	0	0	0	123	0	2	131	0	257
Total for:	5:00 PM	6:00 PM	0	0	3	0	0	0	0	129	0	2	150	0	284
Tota Peak Hour:	5:00 PM	6:00 PM	0	0	3	0	0	0	0	129	0	2	150	0	284
Overall PHF:	0.93														

Peak Hour Volumes



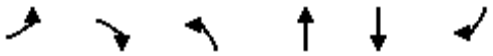
2019 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
CATEGORY: 7500 ORANGE COUNTYWIDE

MOCF: 0.98

WEEK	DATES	SF	PSCF
1	01/01/2019 - 01/05/2019	1.02	1.04
2	01/06/2019 - 01/12/2019	1.03	1.05
3	01/13/2019 - 01/19/2019	1.04	1.06
4	01/20/2019 - 01/26/2019	1.03	1.05
5	01/27/2019 - 02/02/2019	1.02	1.04
6	02/03/2019 - 02/09/2019	1.00	1.02
7	02/10/2019 - 02/16/2019	0.99	1.01
8	02/17/2019 - 02/23/2019	0.99	1.01
* 9	02/24/2019 - 03/02/2019	0.98	1.00
*10	03/03/2019 - 03/09/2019	0.98	1.00
*11	03/10/2019 - 03/16/2019	0.97	0.99
*12	03/17/2019 - 03/23/2019	0.97	0.99
*13	03/24/2019 - 03/30/2019	0.97	0.99
*14	03/31/2019 - 04/06/2019	0.97	0.99
*15	04/07/2019 - 04/13/2019	0.97	0.99
*16	04/14/2019 - 04/20/2019	0.97	0.99
*17	04/21/2019 - 04/27/2019	0.98	1.00
*18	04/28/2019 - 05/04/2019	0.98	1.00
*19	05/05/2019 - 05/11/2019	0.98	1.00
*20	05/12/2019 - 05/18/2019	0.98	1.00
*21	05/19/2019 - 05/25/2019	0.99	1.01
22	05/26/2019 - 06/01/2019	0.99	1.01
23	06/02/2019 - 06/08/2019	1.00	1.02
24	06/09/2019 - 06/15/2019	1.00	1.02
25	06/16/2019 - 06/22/2019	1.01	1.03
26	06/23/2019 - 06/29/2019	1.01	1.03
27	06/30/2019 - 07/06/2019	1.01	1.03
28	07/07/2019 - 07/13/2019	1.02	1.04
29	07/14/2019 - 07/20/2019	1.02	1.04
30	07/21/2019 - 07/27/2019	1.01	1.03
31	07/28/2019 - 08/03/2019	1.01	1.03
32	08/04/2019 - 08/10/2019	1.00	1.02
33	08/11/2019 - 08/17/2019	0.99	1.01
34	08/18/2019 - 08/24/2019	1.01	1.03
35	08/25/2019 - 08/31/2019	1.02	1.04
36	09/01/2019 - 09/07/2019	1.03	1.05
37	09/08/2019 - 09/14/2019	1.04	1.06
38	09/15/2019 - 09/21/2019	1.05	1.07
39	09/22/2019 - 09/28/2019	1.04	1.06
40	09/29/2019 - 10/05/2019	1.03	1.05
41	10/06/2019 - 10/12/2019	1.01	1.03
42	10/13/2019 - 10/19/2019	1.00	1.02
43	10/20/2019 - 10/26/2019	1.00	1.02
44	10/27/2019 - 11/02/2019	1.00	1.02
45	11/03/2019 - 11/09/2019	1.00	1.02
46	11/10/2019 - 11/16/2019	1.00	1.02
47	11/17/2019 - 11/23/2019	1.01	1.03
48	11/24/2019 - 11/30/2019	1.01	1.03
49	12/01/2019 - 12/07/2019	1.01	1.03
50	12/08/2019 - 12/14/2019	1.01	1.03
51	12/15/2019 - 12/21/2019	1.02	1.04
52	12/22/2019 - 12/28/2019	1.03	1.05
53	12/29/2019 - 12/31/2019	1.04	1.06

* PEAK SEASON

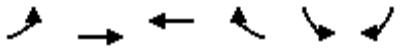
Appendix E
Existing Conditions Analysis Worksheets & Signal Timing



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	87	64	42	104	161	199
Future Volume (veh/h)	87	64	42	104	161	199
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1856	1796	1796	1885	1841	1826
Adj Flow Rate, veh/h	91	67	44	108	168	207
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	3	7	7	1	4	5
Cap, veh/h	472	407	413	1045	314	387
Arrive On Green	0.27	0.27	0.04	0.55	0.42	0.42
Sat Flow, veh/h	1767	1522	1711	1885	750	924
Grp Volume(v), veh/h	91	67	44	108	0	375
Grp Sat Flow(s),veh/h/ln	1767	1522	1711	1885	0	1674
Q Serve(g_s), s	2.9	2.4	1.0	1.9	0.0	12.0
Cycle Q Clear(g_c), s	2.9	2.4	1.0	1.9	0.0	12.0
Prop In Lane	1.00	1.00	1.00			0.55
Lane Grp Cap(c), veh/h	472	407	413	1045	0	701
V/C Ratio(X)	0.19	0.16	0.11	0.10	0.00	0.53
Avail Cap(c_a), veh/h	962	829	539	1531	0	1009
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	20.3	20.1	11.1	7.6	0.0	15.6
Incr Delay (d2), s/veh	0.2	0.2	0.1	0.0	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.0	1.5	0.6	1.3	0.0	7.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	20.5	20.3	11.2	7.6	0.0	16.2
LnGrp LOS	C	C	B	A	A	B
Approach Vol, veh/h	158			152	375	
Approach Delay, s/veh	20.4			8.6	16.2	
Approach LOS	C			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	9.7	36.8				46.5	25.1
Change Period (Y+Rc), s	6.8	6.8				6.8	6.0
Max Green Setting (Gmax), s	8.2	43.2				58.2	39.0
Max Q Clear Time (g_c+I1), s	3.0	14.0				3.9	4.9
Green Ext Time (p_c), s	0.0	2.6				0.6	0.5

Intersection Summary			
HCM 6th Ctrl Delay		15.5	
HCM 6th LOS		B	



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	41	772	670	94	132	50
Future Volume (veh/h)	41	772	670	94	132	50
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1856	1870	1870	1870	1870
Adj Flow Rate, veh/h	43	813	705	99	139	53
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	3	2	2	2	2
Cap, veh/h	536	2834	2274	319	165	147
Arrive On Green	0.06	1.00	0.73	0.73	0.09	0.09
Sat Flow, veh/h	1781	3618	3223	439	1781	1585
Grp Volume(v), veh/h	43	813	400	404	139	53
Grp Sat Flow(s),veh/h/ln	1781	1763	1777	1791	1781	1585
Q Serve(g_s), s	0.9	0.0	11.9	11.9	11.5	4.7
Cycle Q Clear(g_c), s	0.9	0.0	11.9	11.9	11.5	4.7
Prop In Lane	1.00			0.25	1.00	1.00
Lane Grp Cap(c), veh/h	536	2834	1292	1302	165	147
V/C Ratio(X)	0.08	0.29	0.31	0.31	0.84	0.36
Avail Cap(c_a), veh/h	612	2834	1292	1302	292	260
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	0.89	0.89	0.94	0.94
Uniform Delay (d), s/veh	4.7	0.0	7.2	7.2	67.0	63.9
Incr Delay (d2), s/veh	0.1	0.2	0.6	0.6	10.3	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.5	0.2	7.4	7.5	9.5	3.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	4.7	0.2	7.8	7.8	77.3	65.3
LnGrp LOS	A	A	A	A	E	E
Approach Vol, veh/h		856	804		192	
Approach Delay, s/veh		0.5	7.8		74.0	
Approach LOS		A	A		E	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	11.6	116.1			127.7	22.3
Change Period (Y+Rc), s	7.4	* 7.1			* 7.1	8.4
Max Green Setting (Gmax), s	10.6	* 92			* 1.1E2	24.6
Max Q Clear Time (g_c+I1), s	2.9	13.9			2.0	13.5
Green Ext Time (p_c), s	0.0	5.3			6.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	11.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.2

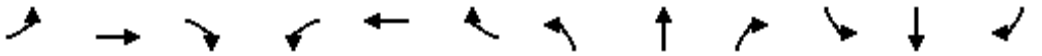
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	0	0	3	0	0	0	6	184	1	0	357	0
Future Vol, veh/h	0	0	3	0	0	0	6	184	1	0	357	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	3	0	0	0	7	200	1	0	388	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	603	603	388	605	603	201	388	0	0	201	0	0
Stage 1	388	388	-	215	215	-	-	-	-	-	-	-
Stage 2	215	215	-	390	388	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	411	413	660	410	413	840	1170	-	-	1371	-	-
Stage 1	636	609	-	787	725	-	-	-	-	-	-	-
Stage 2	787	725	-	634	609	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	409	410	660	406	410	840	1170	-	-	1371	-	-
Mov Cap-2 Maneuver	409	410	-	406	410	-	-	-	-	-	-	-
Stage 1	632	609	-	781	720	-	-	-	-	-	-	-
Stage 2	781	720	-	631	609	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	10.5	0	0.3	0
HCM LOS	B	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1170	-	-	660	-	1371	-	-
HCM Lane V/C Ratio	0.006	-	-	0.005	-	-	-	-
HCM Control Delay (s)	8.1	0	-	10.5	0	0	-	-
HCM Lane LOS	A	A	-	B	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0	-	0	-	-

HCM 6th Signalized Intersection Summary
4: SR 429 SB RAMP/SR 429 NB Ramp & SR 429 Connector Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	8	610	209	20	15	435	0	122	20	0	22
Future Volume (veh/h)	4	8	610	209	20	15	435	0	122	20	0	22
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1618	1693	1767	1826	1796	1870	1841	0	1870	1411	0	1500
Adj Flow Rate, veh/h	4	8	0	218	21	0	453	0	0	21	0	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	19	14	9	5	7	2	4	0	2	33	0	27
Cap, veh/h	17	432		288	1400		637	0		66	0	
Arrive On Green	0.01	0.26	0.00	0.17	0.41	0.00	0.19	0.00	0.00	0.05	0.00	0.00
Sat Flow, veh/h	1541	1693	2994	1739	3503	0	3401	453		1344	21	
Grp Volume(v), veh/h	4	8	0	218	21	0	453	23.9		21	29.6	
Grp Sat Flow(s),veh/h/ln	1541	1693	1497	1739	1706	0	1700	C		1344	C	
Q Serve(g_s), s	0.2	0.2	0.0	7.0	0.2	0.0	7.3			0.9		
Cycle Q Clear(g_c), s	0.2	0.2	0.0	7.0	0.2	0.0	7.3			0.9		
Prop In Lane	1.00		1.00	1.00		0.00	1.00			1.00		
Lane Grp Cap(c), veh/h	17	432		288	1400		637			66		
V/C Ratio(X)	0.24	0.02		0.76	0.01		0.71			0.32		
Avail Cap(c_a), veh/h	473	432		533	1400		2028			435		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00			1.00		
Uniform Delay (d), s/veh	28.8	16.3	0.0	23.4	10.3	0.0	22.4			26.9		
Incr Delay (d2), s/veh	7.3	0.0	0.0	4.1	0.0	0.0	1.5			2.7		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		
%ile BackOfQ(95%),veh/ln	0.2	0.1	0.0	5.3	0.1	0.0	5.1			0.6		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.1	16.4	0.0	27.4	10.3	0.0	23.9			29.6		
LnGrp LOS	D	B		C	B		C			C		
Approach Vol, veh/h		12	A		239	A						
Approach Delay, s/veh		22.9			25.9							
Approach LOS		C			C							

Timer - Assigned Phs	1	2	3		5	6	7					
Phs Duration (G+Y+Rc), s	7.6	34.1	8.9		16.7	25.0	17.0					
Change Period (Y+Rc), s	7.0	10.0	6.0		7.0	10.0	6.0					
Max Green Setting (Gmax), s	18.0	15.0	19.0		18.0	15.0	35.0					
Max Q Clear Time (g_c+I1), s	2.2	2.2	2.9		9.0	2.2	9.3					
Green Ext Time (p_c), s	0.0	0.0	0.0		0.4	0.0	1.7					

Intersection Summary	
HCM 6th Ctrl Delay	24.7
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	827	789	0	5	717	29	1	3	1	44	3	579
Future Volume (veh/h)	827	789	0	5	717	29	1	3	1	44	3	579
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1737	1856	1870	418	1870	1693	1159	418	1870	1870	1870	1811
Adj Flow Rate, veh/h	889	848	0	5	771	31	1	3	1	49	0	623
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	11	3	2	100	2	14	50	100	2	2	2	6
Cap, veh/h	929	2238	1006	2	1207	487	1	2	1	485	0	1306
Arrive On Green	0.48	1.00	0.00	0.01	0.45	0.45	0.01	0.01	0.01	0.14	0.00	0.14
Sat Flow, veh/h	3209	3526	1585	398	3554	1434	80	240	80	3563	0	3070
Grp Volume(v), veh/h	889	848	0	5	771	31	5	0	0	49	0	623
Grp Sat Flow(s),veh/h/ln	1605	1763	1585	398	1777	1434	400	0	0	1781	0	1535
Q Serve(g_s), s	40.0	0.0	0.0	0.9	25.1	1.8	0.9	0.0	0.0	1.8	0.0	20.4
Cycle Q Clear(g_c), s	40.0	0.0	0.0	0.9	25.1	1.8	0.9	0.0	0.0	1.8	0.0	20.4
Prop In Lane	1.00		1.00	1.00		1.00	0.20		0.20	1.00		1.00
Lane Grp Cap(c), veh/h	929	2238	1006	2	1207	487	3	0	0	485	0	1306
V/C Ratio(X)	0.96	0.38	0.00	2.00	0.64	0.06	2.00	0.00	0.00	0.10	0.00	0.48
Avail Cap(c_a), veh/h	984	2238	1006	26	1207	487	25	0	0	485	0	1306
HCM Platoon Ratio	1.67	1.67	1.67	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.00	0.99	0.99	0.99	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	37.9	0.0	0.0	74.4	34.0	27.7	74.5	0.0	0.0	56.8	0.0	31.1
Incr Delay (d2), s/veh	15.2	0.4	0.0	661.7	2.6	0.2	659.5	0.0	0.0	0.1	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	20.3	0.2	0.0	1.0	15.4	1.2	1.0	0.0	0.0	1.5	0.0	13.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.1	0.4	0.0	736.1	36.6	27.9	734.1	0.0	0.0	56.9	0.0	31.3
LnGrp LOS	D	A	A	F	D	C	F	A	A	E	A	C
Approach Vol, veh/h		1737			807			5			672	
Approach Delay, s/veh		27.3			40.6			734.1			33.2	
Approach LOS		C			D			F			C	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.1	102.3		29.0	53.4	58.0		9.5
Change Period (Y+Rc), s	* 8.2	* 7.1		* 8.6	10.0	* 7.1		8.6
Max Green Setting (Gmax), s	* 9.8	* 78		* 20	46.0	* 40		9.4
Max Q Clear Time (g_c+I1), s	2.9	2.0		22.4	42.0	27.1		2.9
Green Ext Time (p_c), s	0.0	6.5		0.0	1.5	4.0		0.0

Intersection Summary	
HCM 6th Ctrl Delay	33.0
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	1457	10	22	1195	66	17	3	22	120	9	15
Future Volume (veh/h)	46	1457	10	22	1195	66	17	3	22	120	9	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	47	1502	10	23	1232	68	18	3	23	124	9	15
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	377	2519	17	251	2487	1109	99	26	101	187	10	17
Arrive On Green	0.03	0.70	0.70	0.03	0.93	0.93	0.11	0.11	0.11	0.11	0.11	0.11
Sat Flow, veh/h	1781	3619	24	1781	3554	1585	577	233	887	1258	91	152
Grp Volume(v), veh/h	47	737	775	23	1232	68	44	0	0	148	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1866	1781	1777	1585	1697	0	0	1502	0	0
Q Serve(g_s), s	1.1	32.3	32.4	0.6	6.7	0.5	0.0	0.0	0.0	10.9	0.0	0.0
Cycle Q Clear(g_c), s	1.1	32.3	32.4	0.6	6.7	0.5	3.5	0.0	0.0	14.4	0.0	0.0
Prop In Lane	1.00		0.01	1.00		1.00	0.41		0.52	0.84		0.10
Lane Grp Cap(c), veh/h	377	1237	1299	251	2487	1109	226	0	0	214	0	0
V/C Ratio(X)	0.12	0.60	0.60	0.09	0.50	0.06	0.19	0.00	0.00	0.69	0.00	0.00
Avail Cap(c_a), veh/h	588	1237	1299	455	2487	1109	406	0	0	374	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.84	0.84	0.84	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	6.0	11.8	11.8	9.8	1.8	1.6	60.5	0.0	0.0	65.0	0.0	0.0
Incr Delay (d2), s/veh	0.1	2.1	2.0	0.1	0.6	0.1	0.4	0.0	0.0	3.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.7	17.9	18.6	0.4	2.9	0.3	2.8	0.0	0.0	9.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.1	14.0	13.9	9.9	2.4	1.7	60.9	0.0	0.0	69.0	0.0	0.0
LnGrp LOS	A	B	B	A	A	A	E	A	A	E	A	A
Approach Vol, veh/h		1559			1323			44			148	
Approach Delay, s/veh		13.7			2.5			60.9			69.0	
Approach LOS		B			A			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.2	112.6		25.2	12.8	112.0		25.2
Change Period (Y+Rc), s	* 7.9	* 7.6		* 8.2	9.7	7.6		8.2
Max Green Setting (Gmax), s	* 23	* 71		* 35	20.3	70.4		33.8
Max Q Clear Time (g_c+I1), s	3.1	8.7		5.5	2.6	34.4		16.4
Green Ext Time (p_c), s	0.1	11.7		0.2	0.0	13.0		0.6

Intersection Summary	
HCM 6th Ctrl Delay	12.2
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	703	181	70	599	0	78	0	28	1	0	2
Future Volume (veh/h)	1	703	181	70	599	0	78	0	28	1	0	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	1	732	189	73	624	0	81	0	29	1	0	2
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	621	2543	1134	539	2828	0	137	1	34	68	14	99
Arrive On Green	1.00	1.00	1.00	0.06	1.00	0.00	0.09	0.00	0.09	0.09	0.00	0.09
Sat Flow, veh/h	801	3554	1585	1781	3647	0	1066	11	386	401	155	1112
Grp Volume(v), veh/h	1	732	189	73	624	0	110	0	0	3	0	0
Grp Sat Flow(s),veh/h/ln	801	1777	1585	1781	1777	0	1462	0	0	1668	0	0
Q Serve(g_s), s	0.0	0.0	0.0	1.6	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	1.6	0.0	0.0	11.1	0.0	0.0	0.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.74		0.26	0.33		0.67
Lane Grp Cap(c), veh/h	621	2543	1134	539	2828	0	172	0	0	181	0	0
V/C Ratio(X)	0.00	0.29	0.17	0.14	0.22	0.00	0.64	0.00	0.00	0.02	0.00	0.00
Avail Cap(c_a), veh/h	621	2543	1134	633	2828	0	338	0	0	362	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.95	0.95	0.95	0.96	0.96	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	4.4	0.0	0.0	67.2	0.0	0.0	62.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.3	0.3	0.1	0.2	0.0	3.9	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	0.2	0.2	0.9	0.1	0.0	7.7	0.0	0.0	0.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.3	0.3	4.5	0.2	0.0	71.1	0.0	0.0	62.3	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	E	A	A	E	A	A
Approach Vol, veh/h		922			697			110			3	
Approach Delay, s/veh		0.3			0.6			71.1			62.3	
Approach LOS		A			A			E			E	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		127.1		22.9	12.1	115.0		22.9				
Change Period (Y+Rc), s		* 7.7		9.5	7.3	* 7.7		* 9.5				
Max Green Setting (Gmax), s		* 1E2		30.5	12.7	* 82		* 31				
Max Q Clear Time (g_c+I1), s		2.0		13.1	3.6	2.0		2.2				
Green Ext Time (p_c), s		4.4		0.4	0.1	6.1		0.0				

Intersection Summary		
HCM 6th Ctrl Delay		5.0
HCM 6th LOS		A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th Signalized Intersection Summary
10: Boy Scout Blvd & US 441



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	735	24	68	1009	79	40	36	114	62	25	9
Future Volume (veh/h)	18	735	24	68	1009	79	40	36	114	62	25	9
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	782	26	72	1073	84	43	38	121	66	27	10
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	422	2718	90	579	2849	223	80	73	186	163	63	20
Arrive On Green	0.77	0.77	0.77	0.03	0.85	0.85	0.19	0.19	0.19	0.19	0.19	0.19
Sat Flow, veh/h	486	3510	117	1781	3339	261	272	388	985	654	333	106
Grp Volume(v), veh/h	19	396	412	72	571	586	202	0	0	103	0	0
Grp Sat Flow(s),veh/h/ln	486	1777	1849	1781	1777	1823	1645	0	0	1094	0	0
Q Serve(g_s), s	1.4	9.7	9.7	1.1	10.4	10.4	0.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.0	9.7	9.7	1.1	10.4	10.4	16.5	0.0	0.0	15.9	0.0	0.0
Prop In Lane	1.00		0.06	1.00		0.14	0.21		0.60	0.64		0.10
Lane Grp Cap(c), veh/h	422	1376	1432	579	1516	1556	339	0	0	246	0	0
V/C Ratio(X)	0.05	0.29	0.29	0.12	0.38	0.38	0.60	0.00	0.00	0.42	0.00	0.00
Avail Cap(c_a), veh/h	422	1376	1432	652	1516	1556	339	0	0	246	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.94	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	4.1	4.9	4.9	3.1	2.4	2.4	56.1	0.0	0.0	55.3	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.5	0.5	0.1	0.7	0.7	7.5	0.0	0.0	5.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.3	5.7	5.9	0.6	4.4	4.6	12.4	0.0	0.0	7.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.3	5.4	5.4	3.2	3.1	3.1	63.5	0.0	0.0	60.5	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	E	A	A	E	A	A
Approach Vol, veh/h		827			1229			202			103	
Approach Delay, s/veh		5.4			3.1			63.5			60.5	
Approach LOS		A			A			E			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	11.9	123.8		35.3		135.7		35.3				
Change Period (Y+Rc), s	* 7.1	* 7.1		7.0		* 7.1		* 7				
Max Green Setting (Gmax), s	* 11	* 90		28.0		* 1.1E2		* 28				
Max Q Clear Time (g_c+I1), s	13.1	11.7		17.9		12.4		18.5				
Green Ext Time (p_c), s	0.1	5.5		0.3		9.0		0.8				

Intersection Summary	
HCM 6th Ctrl Delay	11.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	45	34	97	91	81	7	208	37	44	355	20
Future Volume (veh/h)	16	45	34	97	91	81	7	208	37	44	355	20
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	18	51	39	110	103	92	8	236	42	50	403	23
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	363	215	164	458	212	189	211	352	63	330	495	28
Arrive On Green	0.06	0.22	0.22	0.07	0.23	0.23	0.02	0.23	0.23	0.07	0.28	0.28
Sat Flow, veh/h	1781	983	752	1781	911	813	1781	1546	275	1781	1752	100
Grp Volume(v), veh/h	18	0	90	110	0	195	8	0	278	50	0	426
Grp Sat Flow(s),veh/h/ln	1781	0	1735	1781	0	1724	1781	0	1821	1781	0	1852
Q Serve(g_s), s	0.5	0.0	2.9	3.2	0.0	6.7	0.2	0.0	9.5	1.4	0.0	14.7
Cycle Q Clear(g_c), s	0.5	0.0	2.9	3.2	0.0	6.7	0.2	0.0	9.5	1.4	0.0	14.7
Prop In Lane	1.00		0.43	1.00		0.47	1.00		0.15	1.00		0.05
Lane Grp Cap(c), veh/h	363	0	379	458	0	401	211	0	415	330	0	523
V/C Ratio(X)	0.05	0.00	0.24	0.24	0.00	0.49	0.04	0.00	0.67	0.15	0.00	0.81
Avail Cap(c_a), veh/h	738	0	570	808	0	584	514	0	1414	535	0	1450
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	18.5	0.0	22.1	18.6	0.0	22.7	20.2	0.0	24.1	18.0	0.0	22.9
Incr Delay (d2), s/veh	0.1	0.0	0.3	0.3	0.0	0.9	0.1	0.0	1.9	0.2	0.0	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.3	0.0	2.0	2.2	0.0	4.6	0.2	0.0	7.1	1.0	0.0	10.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	18.6	0.0	22.4	18.9	0.0	23.7	20.3	0.0	26.0	18.2	0.0	26.0
LnGrp LOS	B	A	C	B	A	C	C	A	C	B	A	C
Approach Vol, veh/h		108			305			286			476	
Approach Delay, s/veh		21.7			21.9			25.8			25.2	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.1	22.4	11.5	22.5	8.4	26.1	10.6	23.4
Change Period (Y+Rc), s	* 7.2	6.8	6.8	7.5	6.8	* 6.8	6.8	* 7.5
Max Green Setting (Gmax), s	* 13	53.2	18.2	22.5	13.2	* 54	18.2	* 23
Max Q Clear Time (g_c+I1), s	13.4	11.5	5.2	4.9	2.2	16.7	2.5	8.7
Green Ext Time (p_c), s	0.0	1.7	0.2	0.3	0.0	2.7	0.0	0.8

Intersection Summary	
HCM 6th Ctrl Delay	24.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

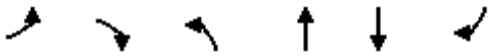
Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	110	0	3	121	4	0
Future Vol, veh/h	110	0	3	121	4	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Yield
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	115	0	3	126	4	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	115	0	247	115
Stage 1	-	-	-	-	115	-
Stage 2	-	-	-	-	132	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1474	-	741	937
Stage 1	-	-	-	-	910	-
Stage 2	-	-	-	-	894	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1474	-	740	937
Mov Cap-2 Maneuver	-	-	-	-	740	-
Stage 1	-	-	-	-	910	-
Stage 2	-	-	-	-	892	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	9.9
HCM LOS			A

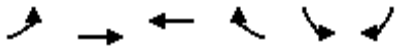
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	740	-	-	1474	-
HCM Lane V/C Ratio	0.006	-	-	0.002	-
HCM Control Delay (s)	9.9	-	-	7.4	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	211	60	43	304	198	66
Future Volume (veh/h)	211	60	43	304	198	66
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1856	1796	1796	1885	1841	1826
Adj Flow Rate, veh/h	220	62	45	317	206	69
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	3	7	7	1	4	5
Cap, veh/h	486	418	493	1034	546	183
Arrive On Green	0.27	0.27	0.04	0.55	0.41	0.41
Sat Flow, veh/h	1767	1522	1711	1885	1319	442
Grp Volume(v), veh/h	220	62	45	317	0	275
Grp Sat Flow(s),veh/h/ln	1767	1522	1711	1885	0	1761
Q Serve(g_s), s	7.5	2.2	1.0	6.6	0.0	7.9
Cycle Q Clear(g_c), s	7.5	2.2	1.0	6.6	0.0	7.9
Prop In Lane	1.00	1.00	1.00			0.25
Lane Grp Cap(c), veh/h	486	418	493	1034	0	729
V/C Ratio(X)	0.45	0.15	0.09	0.31	0.00	0.38
Avail Cap(c_a), veh/h	950	819	616	1513	0	1049
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.8	19.9	10.7	8.9	0.0	14.8
Incr Delay (d2), s/veh	0.7	0.2	0.1	0.2	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	5.4	1.4	0.6	4.3	0.0	5.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	22.4	20.0	10.8	9.0	0.0	15.1
LnGrp LOS	C	C	B	A	A	B
Approach Vol, veh/h	282			362	275	
Approach Delay, s/veh	21.9			9.3	15.1	
Approach LOS	C			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	9.8	36.8				46.6	25.9
Change Period (Y+Rc), s	6.8	6.8				6.8	6.0
Max Green Setting (Gmax), s	8.2	43.2				58.2	39.0
Max Q Clear Time (g_c+I1), s	3.0	9.9				8.6	9.5
Green Ext Time (p_c), s	0.0	1.8				2.1	0.8

Intersection Summary			
HCM 6th Ctrl Delay		14.9	
HCM 6th LOS		B	



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	90	710	897	203	154	34
Future Volume (veh/h)	90	710	897	203	154	34
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1856	1870	1870	1870	1870
Adj Flow Rate, veh/h	100	789	997	226	171	38
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	3	2	2	2	2
Cap, veh/h	358	2800	2064	467	194	173
Arrive On Green	0.06	1.00	0.72	0.72	0.11	0.11
Sat Flow, veh/h	1781	3618	2973	651	1781	1585
Grp Volume(v), veh/h	100	789	614	609	171	38
Grp Sat Flow(s),veh/h/ln	1781	1763	1777	1753	1781	1585
Q Serve(g_s), s	2.3	0.0	23.9	24.1	15.1	3.5
Cycle Q Clear(g_c), s	2.3	0.0	23.9	24.1	15.1	3.5
Prop In Lane	1.00			0.37	1.00	1.00
Lane Grp Cap(c), veh/h	358	2800	1274	1257	194	173
V/C Ratio(X)	0.28	0.28	0.48	0.48	0.88	0.22
Avail Cap(c_a), veh/h	444	2800	1274	1257	263	234
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.90	0.90	0.85	0.85	0.96	0.96
Uniform Delay (d), s/veh	7.3	0.0	9.8	9.8	70.3	65.1
Incr Delay (d2), s/veh	0.4	0.2	1.1	1.1	21.3	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.4	0.2	13.4	13.3	12.7	2.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	7.7	0.2	10.9	11.0	91.5	65.7
LnGrp LOS	A	A	B	B	F	E
Approach Vol, veh/h		889	1223		209	
Approach Delay, s/veh		1.1	10.9		86.8	
Approach LOS		A	B		F	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	12.3	121.8			134.2	25.8
Change Period (Y+Rc), s	7.4	* 7.1			* 7.1	8.4
Max Green Setting (Gmax), s	12.6	* 1E2			* 1.2E2	23.6
Max Q Clear Time (g_c+I1), s	4.3	26.1			2.0	17.1
Green Ext Time (p_c), s	0.1	10.1			5.9	0.3

Intersection Summary	
HCM 6th Ctrl Delay	14.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.1

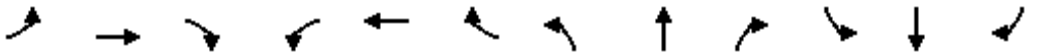
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	0	0	3	0	0	0	6	509	0	0	261	0
Future Vol, veh/h	0	0	3	0	0	0	6	509	0	0	261	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	3	0	0	0	7	553	0	0	284	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	851	851	284	853	851	553	284	0	0	553	0	0
Stage 1	284	284	-	567	567	-	-	-	-	-	-	-
Stage 2	567	567	-	286	284	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	280	297	755	279	297	533	1278	-	-	1017	-	-
Stage 1	723	676	-	508	507	-	-	-	-	-	-	-
Stage 2	508	507	-	721	676	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	278	295	755	276	295	533	1278	-	-	1017	-	-
Mov Cap-2 Maneuver	278	295	-	276	295	-	-	-	-	-	-	-
Stage 1	717	676	-	504	503	-	-	-	-	-	-	-
Stage 2	504	503	-	718	676	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	9.8	0	0.1	0
HCM LOS	A	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1278	-	-	755	-	1017	-	-
HCM Lane V/C Ratio	0.005	-	-	0.004	-	-	-	-
HCM Control Delay (s)	7.8	0	-	9.8	0	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0	-	0	-	-

HCM 6th Signalized Intersection Summary
4: SR 429 SB RAMP/SR 429 NB Ramp & SR 429 Connector Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	18	424	100	7	14	745	0	249	15	0	15
Future Volume (veh/h)	14	18	424	100	7	14	745	0	249	15	0	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1618	1693	1767	1826	1796	1870	1841	0	1870	1411	0	1500
Adj Flow Rate, veh/h	15	19	0	105	7	0	784	0	0	16	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	19	14	9	5	7	2	4	0	2	33	0	27
Cap, veh/h	56	388		226	1102		983	0		52	0	
Arrive On Green	0.04	0.23	0.00	0.13	0.32	0.00	0.29	0.00	0.00	0.04	0.00	0.00
Sat Flow, veh/h	1541	1693	2994	1739	3503	0	3401	784		1344	16	
Grp Volume(v), veh/h	15	19	0	105	7	0	784	23.0		16	33.9	
Grp Sat Flow(s),veh/h/ln	1541	1693	1497	1739	1706	0	1700	C		1344	C	
Q Serve(g_s), s	0.6	0.6	0.0	3.7	0.1	0.0	13.9			0.8		
Cycle Q Clear(g_c), s	0.6	0.6	0.0	3.7	0.1	0.0	13.9			0.8		
Prop In Lane	1.00		1.00	1.00		0.00	1.00			1.00		
Lane Grp Cap(c), veh/h	56	388		226	1102		983			52		
V/C Ratio(X)	0.27	0.05		0.46	0.01		0.80			0.31		
Avail Cap(c_a), veh/h	424	388		478	1102		1819			390		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00			1.00		
Uniform Delay (d), s/veh	30.7	19.7	0.0	26.3	15.0	0.0	21.5			30.6		
Incr Delay (d2), s/veh	2.5	0.1	0.0	1.5	0.0	0.0	1.5			3.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		
%ile BackOfQ(95%),veh/ln	0.5	0.4	0.0	2.7	0.1	0.0	9.1			0.5		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.2	19.7	0.0	27.8	15.0	0.0	23.0			33.9		
LnGrp LOS	C	B		C	B		C			C		
Approach Vol, veh/h		34	A		112	A						
Approach Delay, s/veh		25.6			27.0							
Approach LOS		C			C							

Timer - Assigned Phs	1	2	3		5	6	7					
Phs Duration (G+Y+Rc), s	9.4	31.1	8.5		15.5	25.0	24.9					
Change Period (Y+Rc), s	7.0	10.0	6.0		7.0	10.0	6.0					
Max Green Setting (Gmax), s	18.0	15.0	19.0		18.0	15.0	35.0					
Max Q Clear Time (g_c+I1), s	2.6	2.1	2.8		5.7	2.6	15.9					
Green Ext Time (p_c), s	0.0	0.0	0.0		0.2	0.0	3.0					

Intersection Summary	
HCM 6th Ctrl Delay	23.8
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
6: US 441 & SR 429 Connector Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	389	770	0	1	1078	38	2	2	2	22	2	594
Future Volume (veh/h)	389	770	0	1	1078	38	2	2	2	22	2	594
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1737	1856	1870	418	1870	1693	1159	418	1870	1870	1870	1811
Adj Flow Rate, veh/h	418	828	0	1	1159	41	2	2	2	25	0	639
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	11	3	2	100	2	14	50	100	2	2	2	6
Cap, veh/h	441	2241	1008	1	1735	700	1	1	1	543	0	890
Arrive On Green	0.28	1.00	0.00	0.00	0.98	0.98	0.01	0.01	0.01	0.15	0.00	0.15
Sat Flow, veh/h	3209	3526	1585	398	3554	1434	129	129	129	3563	0	3070
Grp Volume(v), veh/h	418	828	0	1	1159	41	6	0	0	25	0	639
Grp Sat Flow(s),veh/h/ln	1605	1763	1585	398	1777	1434	388	0	0	1781	0	1535
Q Serve(g_s), s	20.4	0.0	0.0	0.2	3.5	0.1	1.2	0.0	0.0	1.0	0.0	24.4
Cycle Q Clear(g_c), s	20.4	0.0	0.0	0.2	3.5	0.1	1.2	0.0	0.0	1.0	0.0	24.4
Prop In Lane	1.00		1.00	1.00		1.00	0.33		0.33	1.00		1.00
Lane Grp Cap(c), veh/h	441	2241	1008	1	1735	700	3	0	0	543	0	890
V/C Ratio(X)	0.95	0.37	0.00	1.85	0.67	0.06	2.11	0.00	0.00	0.05	0.00	0.72
Avail Cap(c_a), veh/h	441	2241	1008	24	1735	700	23	0	0	543	0	890
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.71	0.71	0.00	0.88	0.88	0.88	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	57.4	0.0	0.0	79.8	1.0	1.0	79.4	0.0	0.0	57.9	0.0	50.9
Incr Delay (d2), s/veh	23.8	0.3	0.0	941.3	1.8	0.1	689.5	0.0	0.0	0.0	0.0	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	12.6	0.2	0.0	0.3	1.7	0.1	1.2	0.0	0.0	0.8	0.0	17.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	81.2	0.3	0.0	1021.1	2.8	1.1	769.0	0.0	0.0	57.9	0.0	53.7
LnGrp LOS	F	A	A	F	A	A	F	A	A	E	A	D
Approach Vol, veh/h		1246			1201			6			664	
Approach Delay, s/veh		27.5			3.6			769.0			53.9	
Approach LOS		C			A			F			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.4	108.8		33.0	32.0	85.2		9.8
Change Period (Y+Rc), s	* 8.2	* 7.1		* 8.6	10.0	* 7.1		8.6
Max Green Setting (Gmax), s	* 9.8	* 84		* 24	22.0	* 70		9.4
Max Q Clear Time (g_c+I1), s	2.2	2.0		26.4	22.4	5.5		3.2
Green Ext Time (p_c), s	0.0	6.3		0.0	0.0	10.5		0.0

Intersection Summary	
HCM 6th Ctrl Delay	25.3
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	1597	15	35	2164	105	55	16	43	49	11	15
Future Volume (veh/h)	13	1597	15	35	2164	105	55	16	43	49	11	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	13	1646	15	36	2231	108	57	16	44	51	11	15
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	120	2622	24	238	2662	1187	96	25	53	108	24	23
Arrive On Green	0.01	0.73	0.73	0.02	0.75	0.75	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1781	3608	33	1781	3554	1585	701	277	589	787	274	257
Grp Volume(v), veh/h	13	810	851	36	2231	108	117	0	0	77	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1864	1781	1777	1585	1567	0	0	1318	0	0
Q Serve(g_s), s	0.3	36.6	36.7	0.8	67.7	2.9	2.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.3	36.6	36.7	0.8	67.7	2.9	11.7	0.0	0.0	9.2	0.0	0.0
Prop In Lane	1.00		0.02	1.00		1.00	0.49		0.38	0.66		0.19
Lane Grp Cap(c), veh/h	120	1291	1355	238	2662	1187	173	0	0	155	0	0
V/C Ratio(X)	0.11	0.63	0.63	0.15	0.84	0.09	0.68	0.00	0.00	0.50	0.00	0.00
Avail Cap(c_a), veh/h	341	1291	1355	420	2662	1187	461	0	0	421	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.75	0.75	0.75	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	19.5	11.0	11.0	9.8	13.5	5.4	71.6	0.0	0.0	70.4	0.0	0.0
Incr Delay (d2), s/veh	0.4	2.3	2.2	0.2	2.5	0.1	4.5	0.0	0.0	2.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	19.7	20.5	0.5	30.7	1.6	8.5	0.0	0.0	5.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	19.9	13.3	13.2	10.1	16.1	5.5	76.1	0.0	0.0	72.8	0.0	0.0
LnGrp LOS	B	B	B	B	B	A	E	A	A	E	A	A
Approach Vol, veh/h		1674			2375			117			77	
Approach Delay, s/veh		13.3			15.5			76.1			72.8	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.1	127.4		22.5	13.7	123.8		22.5
Change Period (Y+Rc), s	* 7.9	* 7.6		* 8.2	9.7	7.6		8.2
Max Green Setting (Gmax), s	* 23	* 71		* 45	20.3	70.4		43.8
Max Q Clear Time (g_c+I1), s	2.3	69.7		13.7	2.8	38.7		11.2
Green Ext Time (p_c), s	0.0	0.7		0.6	0.0	14.5		0.4

Intersection Summary	
HCM 6th Ctrl Delay	17.4
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	867	108	43	1053	0	190	0	60	0	0	0
Future Volume (veh/h)	2	867	108	43	1053	0	190	0	60	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	2	985	123	49	1197	0	216	0	68	0	0	0
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	332	2179	972	406	2440	0	267	0	72	0	385	0
Arrive On Green	1.00	1.00	1.00	0.06	1.00	0.00	0.21	0.00	0.21	0.00	0.00	0.00
Sat Flow, veh/h	468	3554	1585	1781	3647	0	1106	0	348	0	1870	0
Grp Volume(v), veh/h	2	985	123	49	1197	0	284	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	468	1777	1585	1781	1777	0	1454	0	0	0	1870	0
Q Serve(g_s), s	0.0	0.0	0.0	1.6	0.0	0.0	30.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	1.6	0.0	0.0	30.8	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.76		0.24	0.00		0.00
Lane Grp Cap(c), veh/h	332	2179	972	406	2440	0	339	0	0	0	385	0
V/C Ratio(X)	0.01	0.45	0.13	0.12	0.49	0.00	0.84	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	332	2179	972	476	2440	0	344	0	0	0	402	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.96	0.85	0.85	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	9.6	0.0	0.0	62.7	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.7	0.3	0.1	0.6	0.0	16.3	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	0.4	0.1	1.1	0.4	0.0	18.8	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.7	0.3	9.7	0.6	0.0	79.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	E	A	A	A	A	A
Approach Vol, veh/h		1110			1246			284			0	
Approach Delay, s/veh		0.6			1.0			79.0			0.0	
Approach LOS		A			A			E				

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		117.6		42.4	11.7	105.8		42.4				
Change Period (Y+Rc), s		* 7.7		9.5	7.3	* 7.7		* 9.5				
Max Green Setting (Gmax), s		* 1.1E2		33.5	10.7	* 91		* 34				
Max Q Clear Time (g_c+I1), s		2.0		32.8	3.6	2.0		0.0				
Green Ext Time (p_c), s		11.0		0.1	0.0	8.7		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			9.2									
HCM 6th LOS			A									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	750	24	69	1029	81	41	37	116	63	26	9
Future Volume (veh/h)	18	750	24	69	1029	81	41	37	116	63	26	9
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	798	26	73	1095	86	44	39	123	67	28	10
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	366	2505	82	512	2629	206	98	94	245	218	88	28
Arrive On Green	0.71	0.71	0.71	0.03	0.79	0.79	0.25	0.25	0.25	0.25	0.25	0.25
Sat Flow, veh/h	475	3512	114	1781	3338	262	282	373	971	720	348	112
Grp Volume(v), veh/h	19	404	420	73	583	598	206	0	0	105	0	0
Grp Sat Flow(s),veh/h/ln	475	1777	1850	1781	1777	1823	1627	0	0	1180	0	0
Q Serve(g_s), s	2.2	13.5	13.5	1.7	16.6	16.6	0.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	8.1	13.5	13.5	1.7	16.6	16.6	16.5	0.0	0.0	16.0	0.0	0.0
Prop In Lane	1.00		0.06	1.00		0.14	0.21		0.60	0.64		0.10
Lane Grp Cap(c), veh/h	366	1267	1319	512	1399	1436	437	0	0	334	0	0
V/C Ratio(X)	0.05	0.32	0.32	0.14	0.42	0.42	0.47	0.00	0.00	0.31	0.00	0.00
Avail Cap(c_a), veh/h	366	1267	1319	591	1399	1436	437	0	0	334	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.93	0.93	0.93	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.7	8.5	8.5	5.9	5.4	5.4	51.0	0.0	0.0	50.2	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.6	0.6	0.1	0.9	0.9	3.6	0.0	0.0	2.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	8.6	8.8	1.0	9.3	9.5	12.1	0.0	0.0	6.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.0	9.1	9.1	6.1	6.3	6.3	54.6	0.0	0.0	52.7	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	D	A	A	D	A	A
Approach Vol, veh/h		843			1254			206			105	
Approach Delay, s/veh		9.1			6.3			54.6			52.7	
Approach LOS		A			A			D			D	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	11.9	121.8		47.3		133.7		47.3				
Change Period (Y+Rc), s	* 7.1	* 7.1		7.0		* 7.1		* 7				
Max Green Setting (Gmax), s	* 13	* 87		40.0		* 1.1E2		* 40				
Max Q Clear Time (g_c+I1), s	10.7	15.5		18.0		18.6		18.5				
Green Ext Time (p_c), s	0.1	5.7		0.5		9.3		1.2				

Intersection Summary	
HCM 6th Ctrl Delay	13.4
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	17	84	29	35	89	58	35	397	84	93	296	28
Future Volume (veh/h)	17	84	29	35	89	58	35	397	84	93	296	28
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	18	89	31	37	95	62	37	422	89	99	315	30
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	289	253	88	310	174	114	435	495	104	313	586	56
Arrive On Green	0.05	0.19	0.19	0.03	0.17	0.17	0.08	0.33	0.33	0.09	0.35	0.35
Sat Flow, veh/h	1781	1326	462	1781	1057	690	1781	1498	316	1781	1681	160
Grp Volume(v), veh/h	18	0	120	37	0	157	37	0	511	99	0	345
Grp Sat Flow(s),veh/h/ln	1781	0	1787	1781	0	1746	1781	0	1814	1781	0	1842
Q Serve(g_s), s	0.6	0.0	4.6	1.3	0.0	6.5	1.0	0.0	20.6	2.7	0.0	11.8
Cycle Q Clear(g_c), s	0.6	0.0	4.6	1.3	0.0	6.5	1.0	0.0	20.6	2.7	0.0	11.8
Prop In Lane	1.00		0.26	1.00		0.39	1.00		0.17	1.00		0.09
Lane Grp Cap(c), veh/h	289	0	341	310	0	288	435	0	600	313	0	641
V/C Ratio(X)	0.06	0.00	0.35	0.12	0.00	0.54	0.09	0.00	0.85	0.32	0.00	0.54
Avail Cap(c_a), veh/h	606	0	512	673	0	516	596	0	1228	443	0	1257
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	24.5	0.0	27.6	26.1	0.0	30.1	14.8	0.0	24.5	17.0	0.0	20.5
Incr Delay (d2), s/veh	0.1	0.0	0.6	0.2	0.0	1.6	0.1	0.0	3.5	0.6	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.5	0.0	3.4	1.0	0.0	4.8	0.7	0.0	13.4	1.8	0.0	8.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.6	0.0	28.2	26.3	0.0	31.7	14.8	0.0	28.0	17.6	0.0	21.2
LnGrp LOS	C	A	C	C	A	C	B	A	C	B	A	C
Approach Vol, veh/h		138			194			548			444	
Approach Delay, s/veh		27.7			30.7			27.2			20.4	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.3	32.8	9.0	22.5	12.9	34.2	11.0	20.5
Change Period (Y+Rc), s	* 7.2	6.8	6.8	7.5	6.8	* 6.8	6.8	* 7.5
Max Green Setting (Gmax), s	* 13	53.2	18.2	22.5	13.2	* 54	18.2	* 23
Max Q Clear Time (g_c+I1), s	14.7	22.6	3.3	6.6	3.0	13.8	2.6	8.5
Green Ext Time (p_c), s	0.1	3.3	0.0	0.4	0.0	2.1	0.0	0.6

Intersection Summary	
HCM 6th Ctrl Delay	25.5
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	130	0	2	152	0	3
Future Vol, veh/h	130	0	2	152	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Yield
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	135	0	2	158	0	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	135	0	297	135
Stage 1	-	-	-	-	135	-
Stage 2	-	-	-	-	162	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1449	-	694	914
Stage 1	-	-	-	-	891	-
Stage 2	-	-	-	-	867	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1449	-	693	914
Mov Cap-2 Maneuver	-	-	-	-	693	-
Stage 1	-	-	-	-	891	-
Stage 2	-	-	-	-	865	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	9
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	914	-	-	1449	-
HCM Lane V/C Ratio	0.003	-	-	0.001	-
HCM Control Delay (s)	9	-	-	7.5	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-

CDI 1-17-20

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET

Intersection:	US 441 & Boy Scout Blvd/Lake View Dr	Int. #	20	Node	37
Equipment:	Design Timing	Date:	1/17/2020	Address:	

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction	WBL	EB		SB		WB		NB
Min Green (sec)	5	15		5		15		5
Vehicle Gap (sec)	2.0	0.5		3.0		0.5		3.0
Max Green 1 (sec)	15	50		25		50		15
Max Green 2 (sec)	15	50		25		50		25
Yellow Change Interval (sec)	4.8	4.8		3.7		4.8		3.7
Red Clearance Interval (sec)	2.3	2.3		3.3		2.0		3.0
Walk (sec)		7		7		7		7
Flash Don't Walk (sec)		15		26		13		27
Min Split (sec)	13	28		45		30		12
Recall/Memory	NL	SF/LK		NL		SF/LK		NL
Detector Delay (sec)	CD5			CD5				CD5
Detector Switching								
Dual Entry		Y		Y		Y		Y
Overlap								
Flash		Y		R		Y		R
Speed (mph)	45	45		30		45		30
Approach Grades (%)	2.2%	-3.5%		0.4%		2.2%		-3.6%
Veh Traversed Distance (ft)	98	113		147		135		148
Ped Crossing Distance (ft)		35		92		45		88
Ped Clearance (sec)		10		26		13		25
Ped-button to curb (ft)								
Ped-button to far curb (ft)								
Ped Clearance to far curb (sec								

COORDINATION PLANS

Coordination Pattern	1/2/2	2/2/2	3/2/2		
Cycle	150	140	160		
Split 1	18	23	19		
Split 2	97	82	94		
Split 3	0	0	0		
Split 4	35	35	47		
Split 5	0	0	0		
Split 6	115	105	113		
Split 7	0	0	0		
Split 8	35	35	47		
Offset	88	87	113		
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0		
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:01	FREE
1	9:45	2/2/2
1	19:00	FREE
2	0:01	FREE
2	6:30	1/2/2
2	9:30	2/2/2
2	14:00	3/2/2
2	18:30	2/2/2
2	20:00	FREE
7	0:01	FREE
7	9:30	2/2/2
7	19:30	FREE

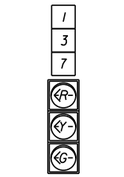
Notes:
1. Offset referenced to start of mainstreet green
2. Use Plan Force-offs
3. Use Max Inhibit during coordination

All Patterns

1	2		4
	6		8

$MODELNAME$
17x11 (in.)
1:38.8235
MODEL:
SHEET SIZE:
PLOT SCALE:

SIGNAL HEAD DETAILS



3-SECT., 1-WAY
7 AS
650-1-311



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
653-191
4 AS



4 EA
FTP-68B-06
9" X 18"

CONTROLLER TIMINGS

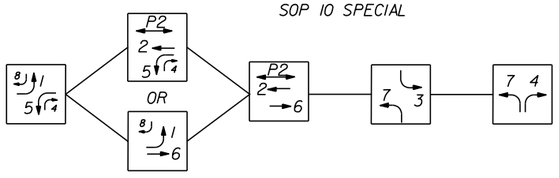
TIMING FUNCTION									
TIMING FUNCTION	MOVEMENT NUMBER	1	2*	3	4*	5*	6*	7*	8
	MINIMUM GREEN	10	15	10	15	10	15	10	--
	EXTENSION	4.0	5.0	4.0	5.0	4.0	5.0	4.0	--
	MAXIMUM GREEN 1	25	20	25	15	25	20	35	--
	MAXIMUM GREEN 2	30	20	30	15	30	20	35	--
	YELLOW CLEARANCE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	--
	ALL RED	3.0	6.0	2.0	2.0	3.0	6.0	2.0	--
	PEDESTRIAN WALK	--	7	--	--	--	--	--	--
	PED. CLEARANCE	--	43	--	--	--	--	--	--
	RECALL	OFF	MIN	OFF	OFF	OFF	MIN	OFF	--
	DET. FUNCTION	NL	L	NL	NL	NL	L	NL	--

CONTROLLER AND OPERATION NOTES:
* PER DRMP 429-201 AND ADJUSTED FIELD TIMINGS
TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE PROJECT ENGINEER.
CONTROLLER ASSEMBLY - NEMA, FULLY ACTUATED EAGLE EPAC300 M52 TS-2 TYPE 2, INITIALLY OPERATED AS SOP 10 WITH FLASHER AND WIRED FOR SOP 10 CAPABILITY. THE MAJOR STREET IS CONNECTOR RD., NEMA MOVEMENTS 1, 2, 5 AND 6. THE MINOR STREET IS THE SR 429 RAMPS., NEMA MOVEMENTS 3, 4, AND 7. FLASHING OPERATION SHALL BE YELLOW FOR MOVEMENTS 2 AND 6 AND RED FOR MOVEMENTS 1, 3, 4, 5, AND 7.
SPEED LIMIT ON SR 429 CONNECTOR RD. IS 35 MPH. SPEED LIMIT ON RAMPS C AND D IS 45 MPH.
EXISTING SIGNAL TIMINGS TO REMAIN UNLESS NOTED OTHERWISE IN THE PLANS.

UPDATED 11/06/17

SIGNAL OPERATING PLAN

SOP 10 SPECIAL



Color_FDOTPDF.pltcfg
Concepts_Color.tbl
PRINT DRIVER:
PEN TABLE:

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB
HNTB CORPORATION
610 CRESCENT EXECUTIVE CT
SUITE 400
LAKE MARY, FL 32746
(407) 805-0355
CERT. OF AUTH. NO. 6500
ENGINEER OF RECORD: STEVEN D. MIKESELL, P.E
FL REGISTRATION NO. 58703

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-202

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SIGNALIZATION PLAN
CONNECTOR RD AND SR 429 RAMPS

SHEET NO. T-5

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ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET.

Intersection:	**US 441 & Orange Ave /T. L. Smith Rd**	**Int. #**	**22**	**Node**	**247**
Equipment:	**Design Timing**	**Date:**	**1/22/2020**	**Address:**	

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction		WB		NB	WBL	EB		SB
Min Green (sec)		20		5	5	15		5
Vehicle Gap (sec)		0.5		3.0	3.0	0.5		3.0
Max Green 1 (sec)		67		18	14	45		18
Max Green 2 (sec)		67		18	14	45		18
Yellow Change Interval (sec)		4.8		4.4	4.8	4.8		3.3
Red Clearance Interval (sec)		2.9		5.1	2.5	2.9		5.3
Walk (sec)		7		7		7		
Flash Don't Walk (sec)		13		28		17		
Min Split (sec)		27		12	13	22		13
Recall/Memory		SF/LK		NL	NL	SF/LK		NL
Detector Delay (sec)								
Detector Switching								
Dual Entry		Y		Y		Y		Y
Overlap								
Flash		Y		R	Y	Y		R
Speed (mph)		45		40	45	45		25
Approach Grades (%)		-1.0%		-0.4%	-1.0%	-0.6%		-2.3%
Veh Traversed Distance (ft)		168		160	125	162		167
Ped Crossing Distance (ft)		41		100		50		
Ped Clearance (sec)		12		29		14		
Ped-button to curb (ft)								
Ped-button to far curb (ft)								
Ped Clearance to far curb (sec								

COORDINATION PLANS.

Coordination Pattern	1/2/2	2/2/2	3/2/2		
Cycle	150	140	160		
Split 1	0	0	0		
Split 2	130	120	117		
Split 3	0	0	0		
Split 4	20	20	43		
Split 5	20	18	18		
Split 6	110	102	99		
Split 7	0	0	0		
Split 8	20	20	43		
Offset	64	66	44		
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0		
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:01	FREE
1	9:45	2/2/2
1	19:00	FREE
2	0:01	FREE
2	6:30	1/2/2
2	9:30	2/2/2
2	14:00	3/2/2
2	18:30	2/2/2
2	20:00	FREE
7	0:01	FREE
7	9:30	2/2/2
7	19:30	FREE

Notes:
1. Offset referenced to start of mainstreet green
2. Use Cycle Force-offs
3. Use Max Inhibit during coordination

All Patterns

	2	4
5	6	8

CDI 2-20-20

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET.

Intersection: US 441 & Plymouth Sorrento Rd | Int. # 21 | Node 202
Equipment: Eagle ACTnx Design Timing | Date: 3/11/2020 | Address:

BASIC TIMING.

Phase	1	2	3	4	5	6	7	8
Direction	EBL	WB				EB		SB
Min Green (sec)	5	15				15		5
Vehicle Gap (sec)	1.8	0.5				0.5		4.0
Max Green 1 (sec)	25	50				50		30
Max Green 2 (sec)	25	50				50		30
Yellow Change Interval (sec)	4.8	4.8				4.8		4.8
Red Clearance Interval (sec)	2.6	2.2				2.3		3.6
Walk (sec)		7						7
Flash Don't Walk (sec)		22						25
Min Split (sec)	13	22				22		12
Recall/Memory	NL	SF/LK				SF/LK		NL
Detector Delay (sec)								VD 5
Detector Switching	1>6							
Dual Entry		Y				Y		
Overlap								
Flash		Y				Y		R
Speed (mph)	45	45				45		45
Approach Grades (%)	-1.0%	0.1%				-1.0%		0.2%
Veh Traversed Distance (ft)	122	136				141		119
Ped Crossing Distance (ft)								
Ped Clearance (sec)								
Ped-button to curb (ft)								
Ped-button to far curb (ft)								
Ped Clearance to far curb (sec								

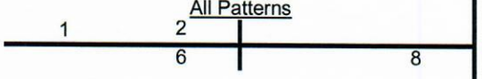
COORDINATION PLANS.

Coordination Pattern	1/2/2	2/2/2	3/2/2		
Cycle	150	140	160		
Split 1	18	18	20		
Split 2	99	87	108		
Split 3	0	0	0		
Split 4	0	0	0		
Split 5	0	0	0		
Split 6	117	105	128		
Split 7	0	0	0		
Split 8	33	35	32		
Offset	66	69	20		
Lagging Phases	0/0/0/0	0/0/0/0	0/0/0/0		
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:01	FREE
1	9:45	2/2/2
1	19:00	FREE
2	0:01	FREE
2	6:30	1/2/2
2	9:30	2/2/2
2	14:00	3/2/2
2	18:30	2/2/2
2	20:00	FREE
7	0:01	FREE
7	9:30	2/2/2
7	19:30	FREE

Notes:
1. Offset referenced to start of mainstreet green
2. Use Cycle Force-offs
3. Use Max Inhibit during coordination
4. Ped 4 hardwired to Ped 8

All Patterns



Consultant Timing

CDI 5-17-18

ORANGE COUNTY TRAFFIC SIGNAL TIMING SHEET.

Intersection:	**US 441 & SR 429 Connector Rd**	**Int. #**	**23**	**Node**	**624**
Equipment:	**Siemens m50**	**Date:**	**7/13/2018**	**Address:**	

BASIC TIMING.

Phase	1	2	3	4	5	6	7	8
Direction	EBL	WB	SB	NB	WBL	EB		
Min Green (sec)	5	20	20	5	5	20		
Vehicle Gap (sec)	3.0	3.0	3.0	3.0	3.0	3.0		
Max Green 1 (sec)	30	77	40	17	21	77		
Max Green 2 (sec)	45	55	50	17	30	60		
Yellow Change Interval (sec)	4.8	4.8	4.2	3.4	4.8	4.8		
Red Clearance Interval (sec)	5.2	2.3	4.4	4.3	3.4	2.3		
Walk (sec)		7		7		7		
Flash Don't Walk (sec)		35		34		17		
Min Split (sec)	15	50	29	49	14	32		
Recall/Memory	NL	MIN/LK	NL	NL	NL	MIN/LK		
Detector Delay (sec)			CDR 5	CD 5	CD 5			
Detector Switching								
Dual Entry		Y				Y		
Overlap								
Flash	R	Y	R	R	R	Y		
Speed (mph)	45	45	35	25	45	45		
Approach Grades (%)	0.4%	0.1%	-2.1%	0.4%	0.1%	0.4%		
Veh Traversed Distance (ft)	207	191	175	172	139	192		
Ped Crossing Distance (ft)		121		119		58		
Ped Clearance (sec)		35		34		17		
Ped-button to curb (ft)		8		13		13		
Ped-button to far curb (ft)		129		132		71		
Ped Clearance to far curb (sec		43		44		24		

COORDINATION PLANS.

Coordination Pattern	1/2/2	2/2/2	3/2/2		
Cycle	150	140	160		
Split 1	56	30	32		
Split 2	47	63	77		
Split 3	29	29	33		
Split 4	18	18	18		
Split 5	18	18	18		
Split 6	85	75	91		
Split 7	0	0	0		
Split 8	0	0	0		
Offset	16	29	48		
Lagging Phases	1/0/0/0	1/0/0/0	0/0/0/0		
Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
(Sunday) 1					
(Monday) 2	3	4	5	6	
(Saturday) 7					

Day	Time	Pattern
1	0:01	FREE
1	9:45	2/2/2
1	19:00	FREE
2	0:01	FREE
2	6:30	1/2/2
2	9:30	2/2/2
2	14:00	3/2/2
2	18:30	2/2/2
2	20:00	FREE
7	0:01	FREE
7	9:30	2/2/2
7	19:30	FREE

Notes:
1. Offset referenced to start of mainstreet green
2. Use Cycle Force-offs
3. Use Max II during coordination
4. Min recall on phase 1 during coordination

Pattern 3/2/2

1	2	3	4
5	6		

Patterns 1/2/2 & 2/2/2

2	1	3	4
5	6		

ORANGE COUNTY TRAFFIC SIGNAL TIMING

Intersection: O.B.T & Hermit Smith Rd. **Node: 672**
Equipment: Eagle **CDI: 03/15/17** **CDO:** **Date: 02/27/17**

BASIC TIMING

Phase	1	2	3	4	5	6	7	8
Direction	EBL	WB		NB	WBL	EB		SB
Min Green (sec)	5	17		5	5	17		5
Vehicle Gap (sec)	3.0	3.0		3.0	4.0	3.0		3.0
Max Green 1 (sec)	25	77		25	25	77		25
Max Green 2 (sec)	30	50		50	30	50		50
Yellow (sec)	5.6	5.5		4.0	5.5	5.6		4.1
All-Red (sec)	2.3	2.0		3.2	4.2	2.0		4.1
Walk (sec)		7		7		7		7
Flash Don't Walk (sec)		14		36		19		36
Recall/Memory	NL	MIN/LK		NL	NL	MIN/LK		NL
Delay (sec)				CD 5				CD 5
Detector Switching								
Dual Entry		Y		Y		Y		Y
Overlap								
Flash	4-SECTION	Y		R	4-SECTION	Y		R

Speed (mph)
Veh Distance (ft)
Grade (%)
Ped Distance (ft)
Ped Clearence (sec)

COORDINATION PLANS

Coordination Pattern	1/2/2	2/2/2	3/2/2	4/2/2	
Cycle	140	140	140	110	
Split 1	20	20	20	18	
Split 2	68	68	68	57	
Split 3					
Split 4	52	52	52	35	
Split 5	20	20	20	18	
Split 6	68	68	68	57	
Split 7					
Split 8	52	52	52	35	
Offset	10	128	125	25	
Lagging Phases					

Source Day	Equate 1	Equate 2	Equate 3	Equate 4	Equate 5
1	7				
2	3	4	5	6	

Day	Time	Pattern
1	0:01	FREE
2	0:01	FREE
2	6:00	1/2/2
2	9:30	2/2/2
2	14:30	3/2/2
2	19:00	4/2/2
2	22:00	FREE

Notes:
1. Coordination reference point beginning of phase 2 & 6 green.
2. Inhibit Max
3. Plan force mode
4. 4-section heads for PH1 & PH 5 shall operate in protected /permissive mode
5. Rail Road Preemption
6. Timing per FDOT

R1	1 2	4
R2	5 6	8

ORANGE COUNTY TRAFFIC SIGNAL TIMING

Hazem El-Assar, P.E.

Location: Plymouth-Sorrento & S.R.429 Connector **Node:** 629
Equipment: Eagle **CDI:** 3/19/15 DR **CDO:** **Date:** 04/22/15

BASIC TIMING

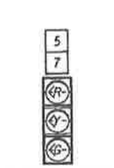
Phase	1	2	3	4	5	6	7	8
Direction	NBL	SB		DUMMY		NB		EB
Min Green (sec)	5	30		20		30		20
Vehicle Gap (sec)	1.8	3.0		3.0		3.0		3.0
Max Green 1 (sec)	15	50		35		50		45
Max Green 2 (sec)	15	50		35		50		45
Yellow (sec)	4.8	4.8		4.0		4.8		4.0
All-Red (sec)	2.0	2.0		2.0		2.0		2.0
Walk (sec)		7						7
Flash Don't Walk (sec)		27						12
Recall/Memory	NL	MIN/LK		NL		MIN/LK		NL
Delay (sec)								CDR 5
Detector Switching	1>6							
Dual Entry		Y				Y		
Overlap								
Flash	5-SECTION	Y				Y		R
Speed (mph)	45	45		35		45		35
Veh Distance (ft)	71	110		73		71		73
Ped Distance (ft)		95						43
Ped Clearence (sec)		27						12

COORDINATION PLANS

Coordination Pattern						Day	Time	Pattern
Cycle						1	0:01	FREE
Split 1						2	0:01	FREE
Split 2								
Split 3								
Split 4								
Split 5								
Split 6								
Split 7								
Split 8								
Offset								
Lagging Phases								
Source Day	**Equate 1**	**Equate 2**	**Equate 3**	**Equate 4**	**Equate 5**			
1	7							
2	3	4	5	6				

Notes:
Phase 4 Dummy Phase is used to maintain a normal ring structure.

SIGNAL HEAD DETAILS



CONTROLLER TIMINGS

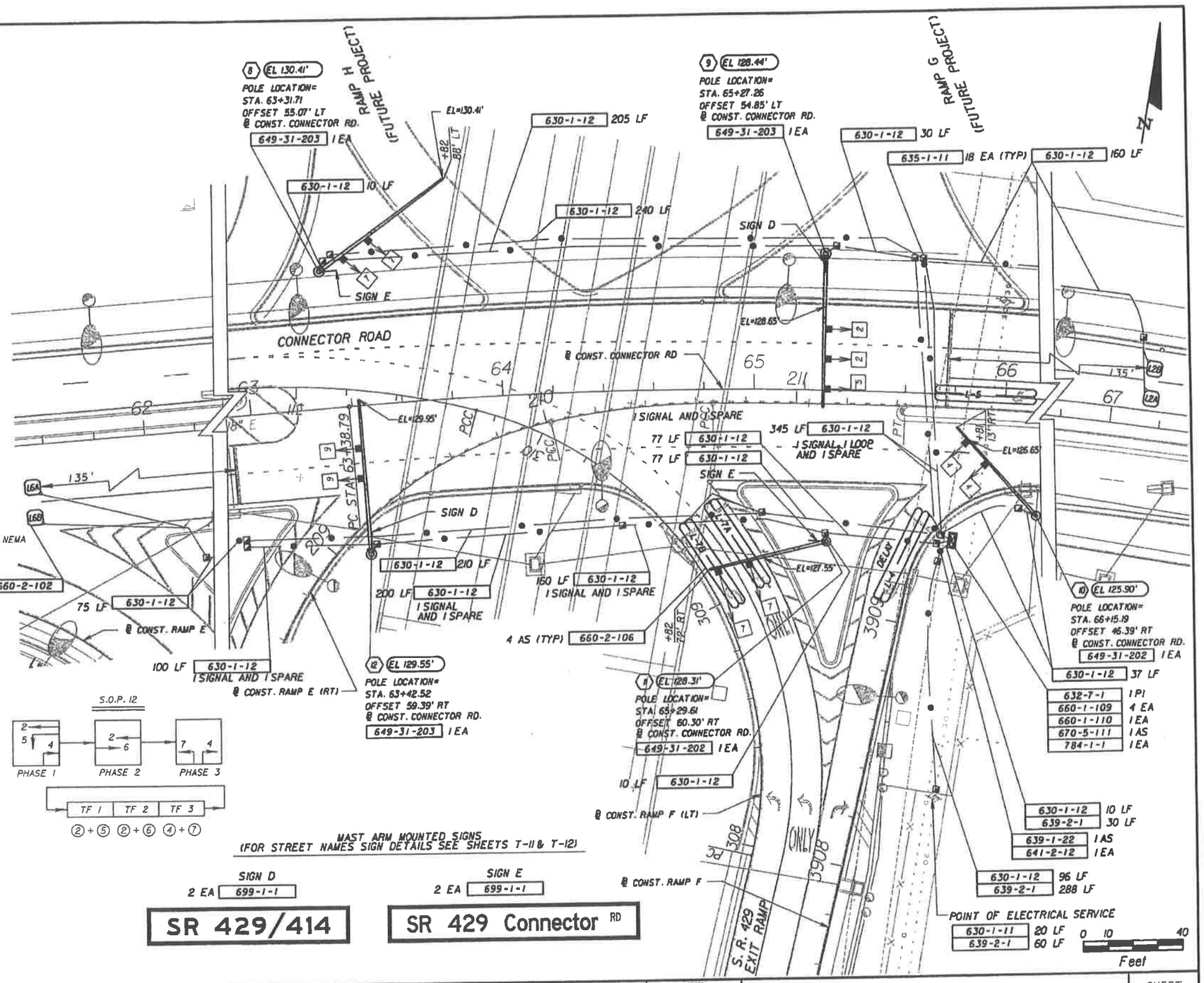
TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	--	15	--	15	5	15	15	--
	EXTENSION	--	3.0	--	3.0	3.0	3.0	3.0	--
	MAXIMUM GREEN 1	--	30	--	33	7	16	19	--
	MAXIMUM GREEN 2	--	--	--	--	--	--	--	--
	YELLOW CLEARANCE	--	4.0	--	4.0	4.0	4.0	4.0	--
	ALL RED	--	6.0	--	2.0	3.0	6.0	2.0	--
	PEDESTRIAN WALK	--	--	--	--	--	--	--	--
	PED. CLEARANCE	--	--	--	--	--	--	--	--
	RECALL	--	MIN	--	OFF	OFF	MIN	OFF	--
	DET. FUNCTION	--	L	--	NL	NL	L	NL	--

CONTROLLER AND OPERATION NOTES:
TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE PROJECT ENGINEER.
CONTROLLER ASSEMBLY - NEMA, FULLY ACTUATED EAGLE EPAC300 M52 TS-2 TYPE 2, INITIALLY OPERATED AS SOP 12 WITH FLASHER AND WIRED FOR SOP 10 CAPABILITY. THE MAJOR STREET IS CONNECTOR RD., NEMA MOVEMENTS 2, 5 AND 6. THE MINOR STREET IS THE SR 429 RAMPS., NEMA MOVEMENTS 4 AND 7. FLASHING OPERATION SHALL BE YELLOW FOR MOVEMENTS 2 AND 6 AND RED FOR MOVEMENTS 4, 5 AND 7.
SPEED LIMIT ON SR 429 CONNECTOR RD. IS 35 MPH.
SPEED LIMIT ON RAMPS E AND F IS 45 MPH.

DETECTORS FOR LOOPS

LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	DELAY TIME (SEC)
L-2A	1	1	1	--
L-2B	1		2	--
L-4	1	1	1	5
L-	--		2	--
L-5	1	1	1	--
L-	--		2	--
L-6A	1	1	1	--
L-6B	1		2	--
L-7A	1	1	1	--
L-7B	1		2	--

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.



REVISIONS					
DATE		DESCRIPTION	DATE		DESCRIPTION

DRMP
DYER, RIDDLE, MILLS & PRECOURT, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2548
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

OOCEA PROJ. NO.
429-201

EXPRESSWAY AUTHORITY

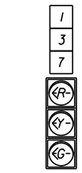
SIGNALIZATION PLAN
CONNECTOR RD AND SR 429 RAMPS

SHEET NO. T-6

Plotted By: wross 4/27/2011 6:58:43 PM q:_sr429_201\signals\PLANS\G02.DGN

Default
17x11 (in.)
1:40
MODEL:
SHEET SIZE:
PLOT SCALE:

SIGNAL HEAD DETAILS



3-SECT., 1-WAY
7 AS
650-1-311



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY

653-191
4 AS



4 EA
FTP-68B-06
9" X 18"

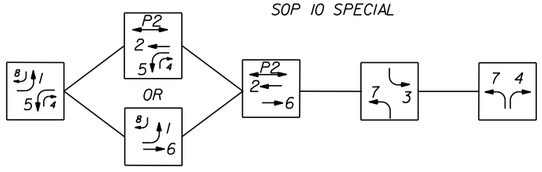
CONTROLLER TIMINGS

TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	5	--	15	--	--	--	--	--
	EXTENSION	3.0	--	3.0	--	--	--	--	--
	MAXIMUM GREEN 1	20	--	25	--	--	--	--	--
	MAXIMUM GREEN 2	--	--	--	--	--	--	--	--
	YELLOW CLEARANCE	4.0	--	4.0	--	--	--	--	--
	ALL RED	3.0	--	2.0	--	--	--	--	--
	PEDESTRIAN WALK	--	7	--	--	--	--	--	--
	PED. CLEARANCE	--	43	--	--	--	--	--	--
	RECALL	OFF	--	OFF	--	--	--	--	--
	DET. FUNCTION	NL	--	NL	--	--	--	--	--

CONTROLLER AND OPERATION NOTES:
TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE PROJECT ENGINEER.
CONTROLLER ASSEMBLY - NEMA, FULLY ACTUATED EAGLE EPAC300 M52 TS-2 TYPE 2, INITIALLY OPERATED AS SOP 10 WITH FLASHER AND WIRED FOR SOP 10 CAPABILITY. THE MAJOR STREET IS CONNECTOR RD., NEMA MOVEMENTS 1, 2, 5 AND 6. THE MINOR STREET IS THE SR 429 RAMPS., NEMA MOVEMENTS 3, 4, AND 7. FLASHING OPERATION SHALL BE YELLOW FOR MOVEMENTS 2 AND 6 AND RED FOR MOVEMENTS 1, 3, 4, 5, AND 7.
SPEED LIMIT ON SR 429 CONNECTOR RD. IS 35 MPH. SPEED LIMIT ON RAMPS C AND D IS 45 MPH.
EXISTING SIGNAL TIMINGS TO REMAIN UNLESS NOTED OTHERWISE IN THE PLANS.

SIGNAL OPERATING PLAN

SOP 10 SPECIAL



FDOTPDF.pltcfg
FDOT_Grayscale.ctb
PRINT DRIVER:
PEN TABLE:

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB
HNTB CORPORATION
610 CRESCENT EXECUTIVE CT
SUITE 400
LAKE MARY, FL 32746
(407) 805-0355
CERT. OF AUTH. NO. 6500
ENGINEER OF RECORD: STEVEN D. MIKESELL, P.E
FL REGISTRATION NO. 58703

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
SR 429	429-202

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SIGNALIZATION PLAN
CONNECTOR RD AND SR 429 RAMPS

SHEET NO.
T-5

smanian 10/16/2014 3:44:48 PM \\LKMW00\pm\Jobs\56462-WekivaDesign00CEA\123456789\signals\PLANSG01.DGN

Appendix F
Trip Generation Sheets

Multifamily Housing (Mid-Rise)
(221)

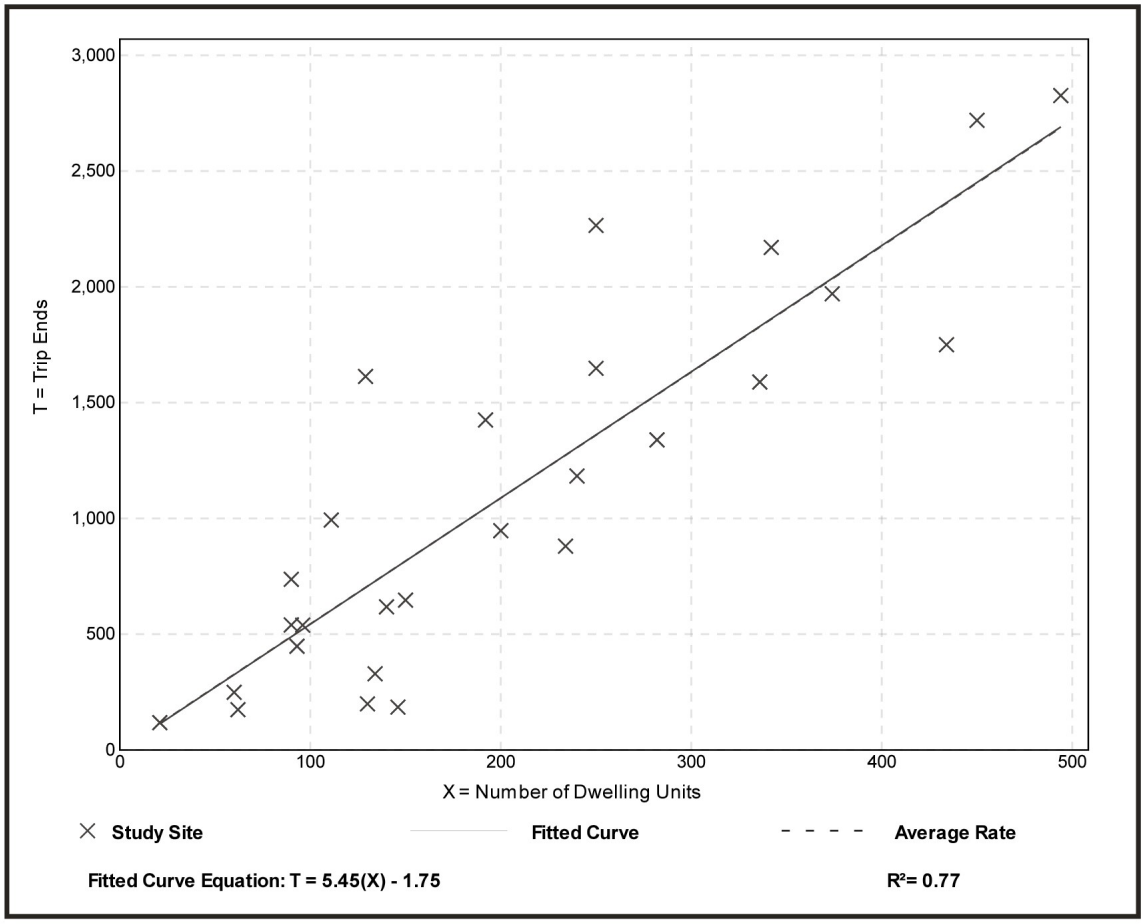
Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday**

Setting/Location: **General Urban/Suburban**
Number of Studies: 27
Avg. Num. of Dwelling Units: 205
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
5.44	1.27 - 12.50	2.03

Data Plot and Equation



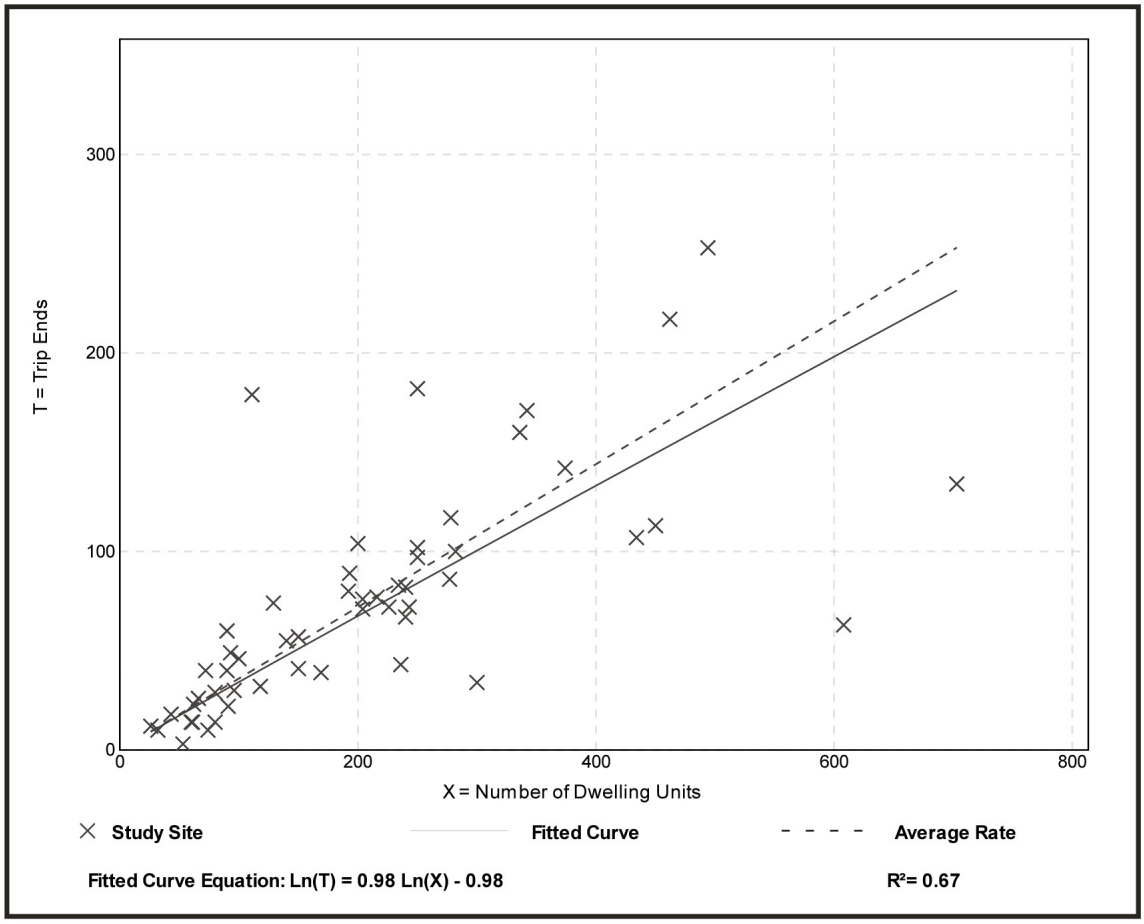
Multifamily Housing (Mid-Rise)
(221)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 53
Avg. Num. of Dwelling Units: 207
Directional Distribution: 26% entering, 74% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.36	0.06 - 1.61	0.19

Data Plot and Equation



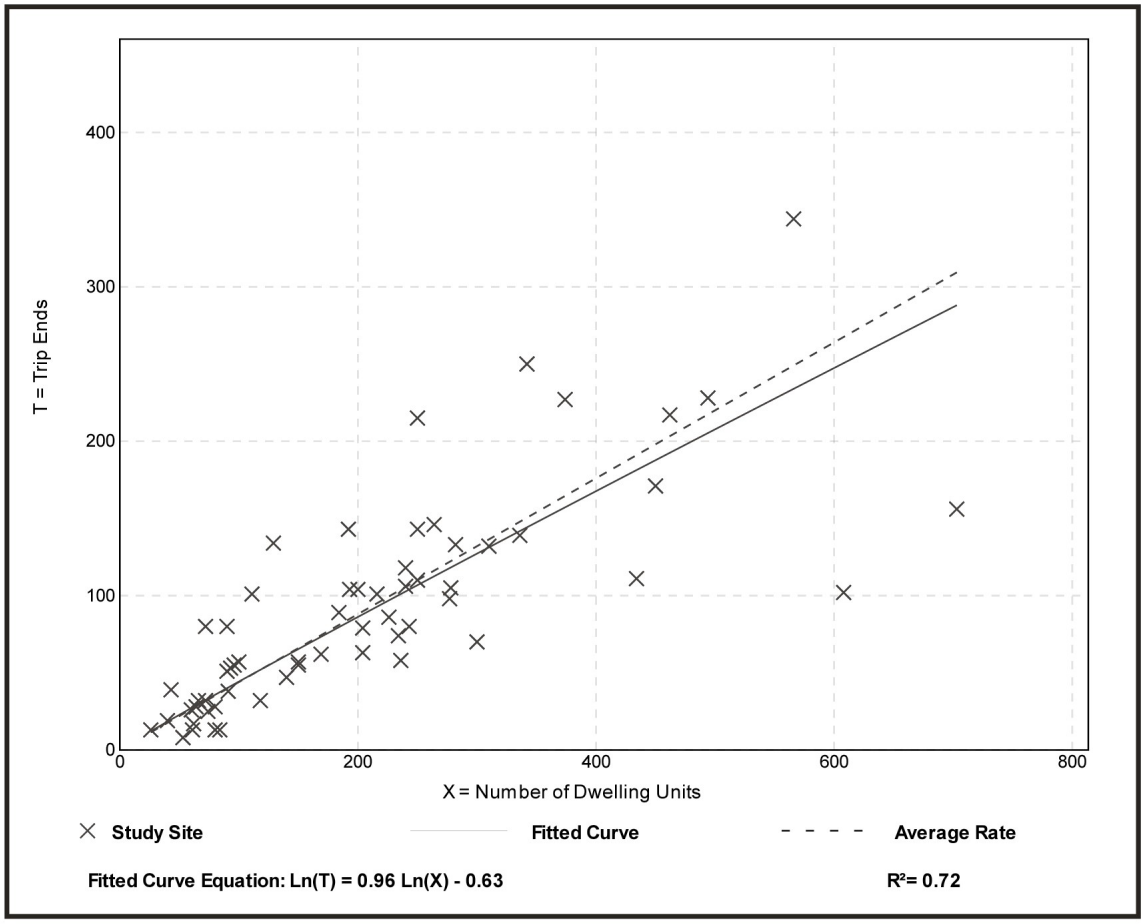
Multifamily Housing (Mid-Rise)
(221)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 60
Avg. Num. of Dwelling Units: 208
Directional Distribution: 61% entering, 39% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.44	0.15 - 1.11	0.19

Data Plot and Equation



Assisted Living
(254)

Vehicle Trip Ends vs: **Beds**
On a: **Weekday**

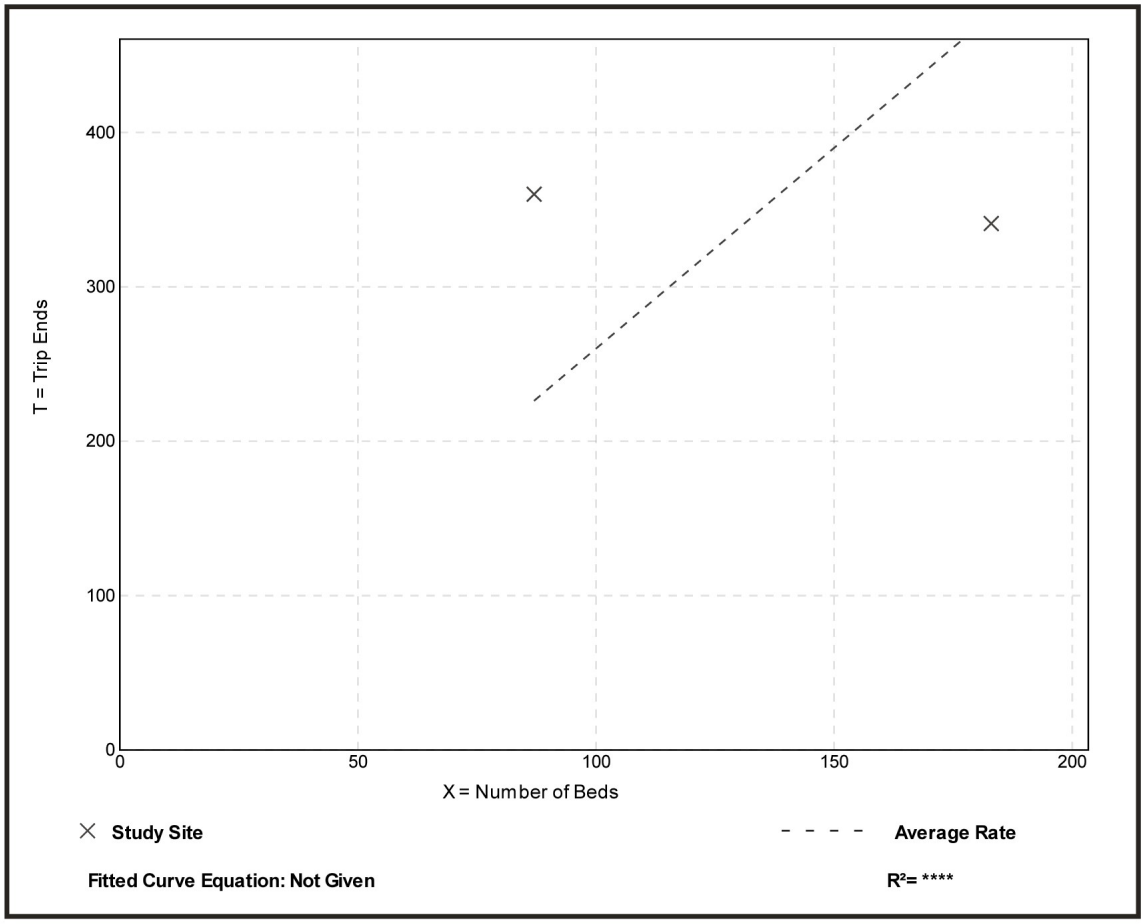
Setting/Location: **General Urban/Suburban**
Number of Studies: 2
Avg. Num. of Beds: 135
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Bed

Average Rate	Range of Rates	Standard Deviation
2.60	1.86 - 4.14	*

Data Plot and Equation

Caution – Small Sample Size



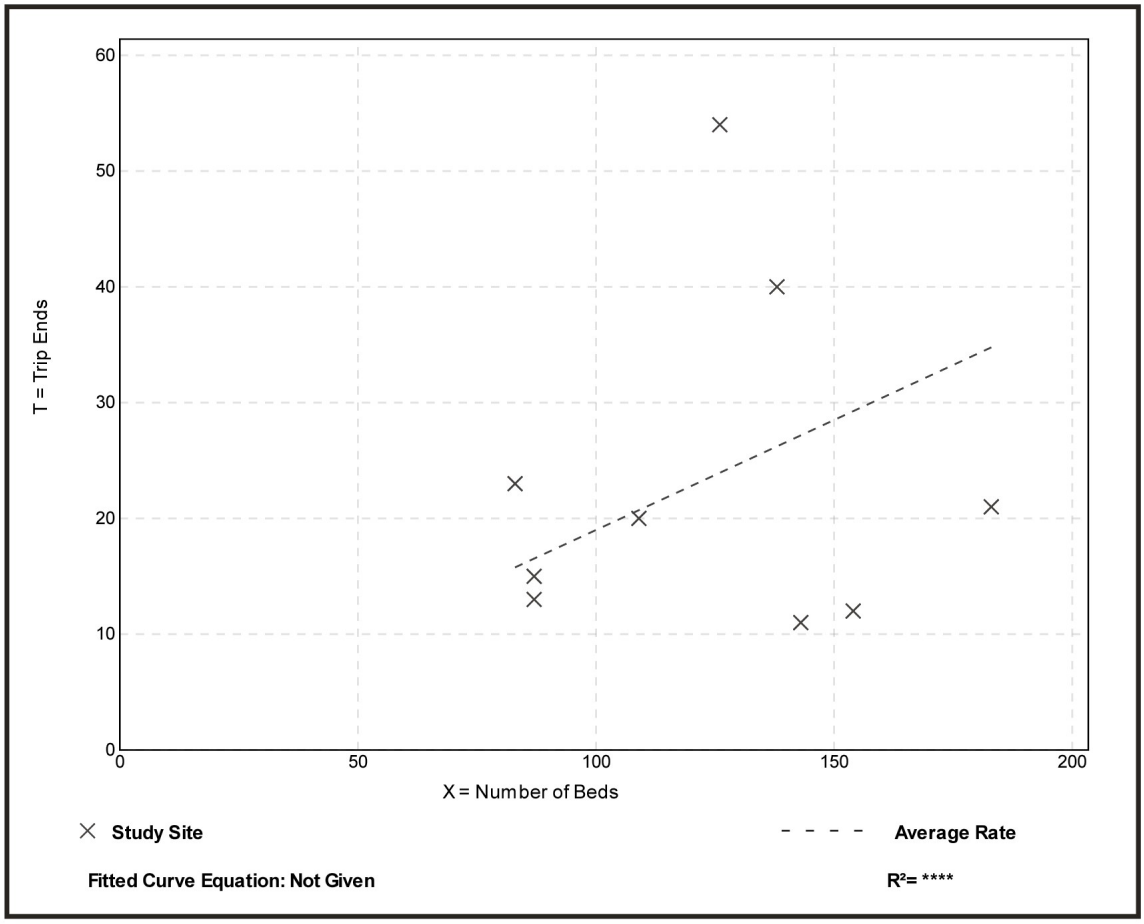
Assisted Living
(254)

Vehicle Trip Ends vs: **Beds**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 9
Avg. Num. of Beds: 123
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Bed

Average Rate	Range of Rates	Standard Deviation
0.19	0.08 - 0.43	0.12

Data Plot and Equation



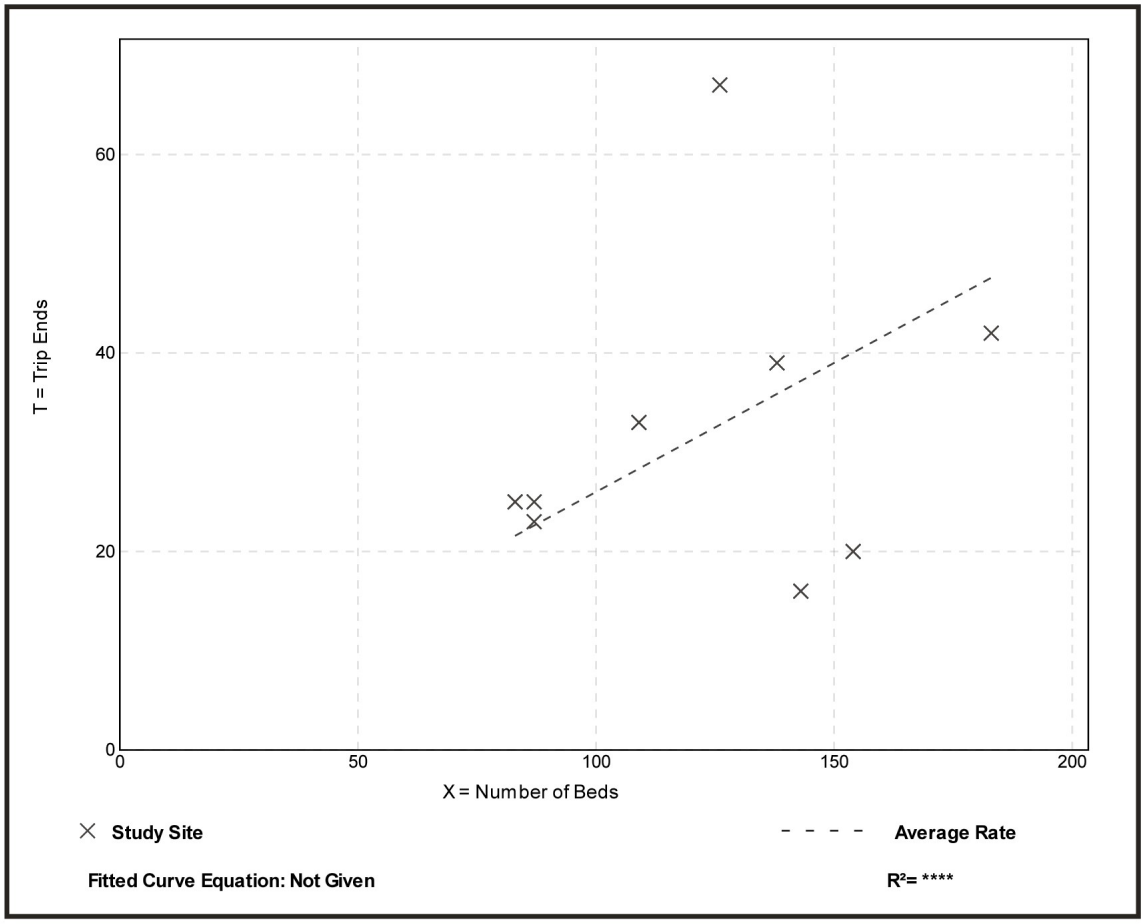
Assisted Living
(254)

Vehicle Trip Ends vs: **Beds**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 9
Avg. Num. of Beds: 123
Directional Distribution: 38% entering, 62% exiting

Vehicle Trip Generation per Bed

Average Rate	Range of Rates	Standard Deviation
0.26	0.11 - 0.53	0.13

Data Plot and Equation



Hotel
(310)

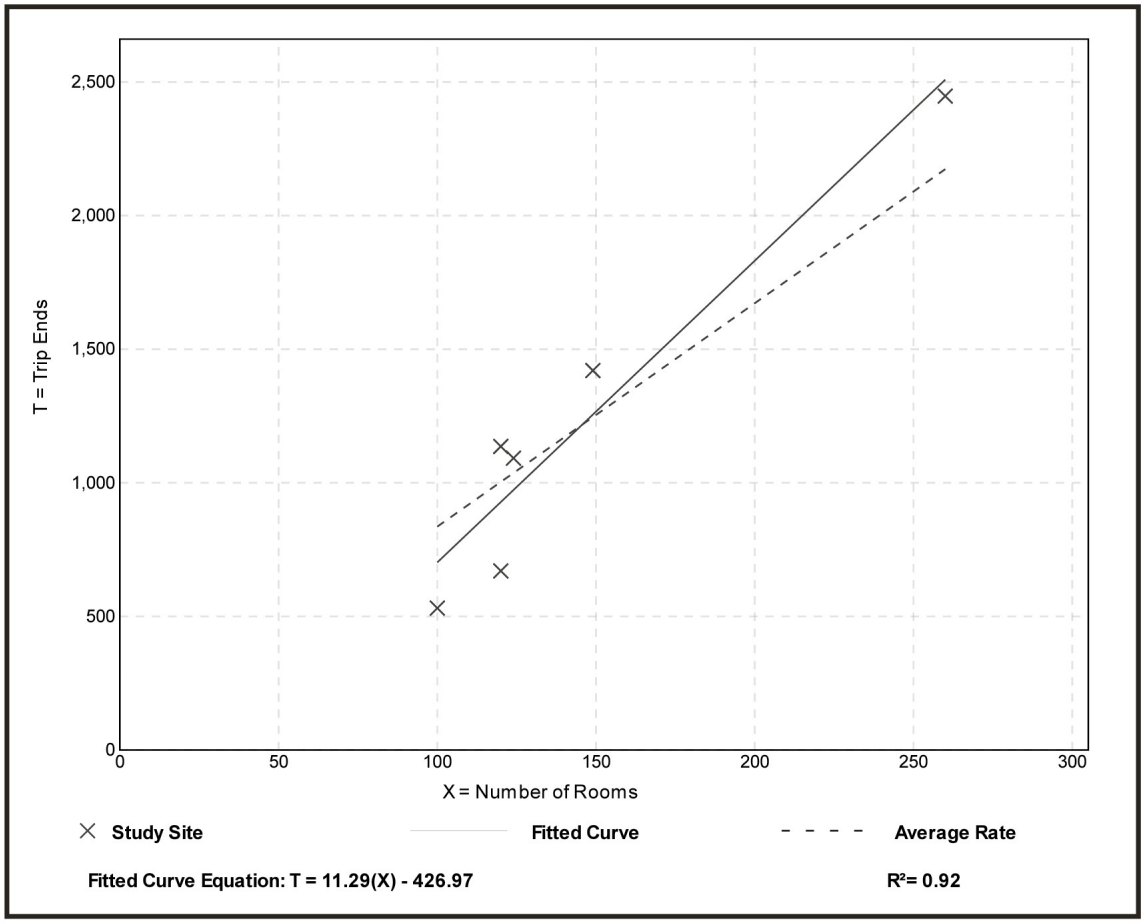
Vehicle Trip Ends vs: **Rooms**
On a: **Weekday**

Setting/Location: **General Urban/Suburban**
Number of Studies: 6
Avg. Num. of Rooms: 146
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Room

Average Rate	Range of Rates	Standard Deviation
8.36	5.31 - 9.53	1.86

Data Plot and Equation



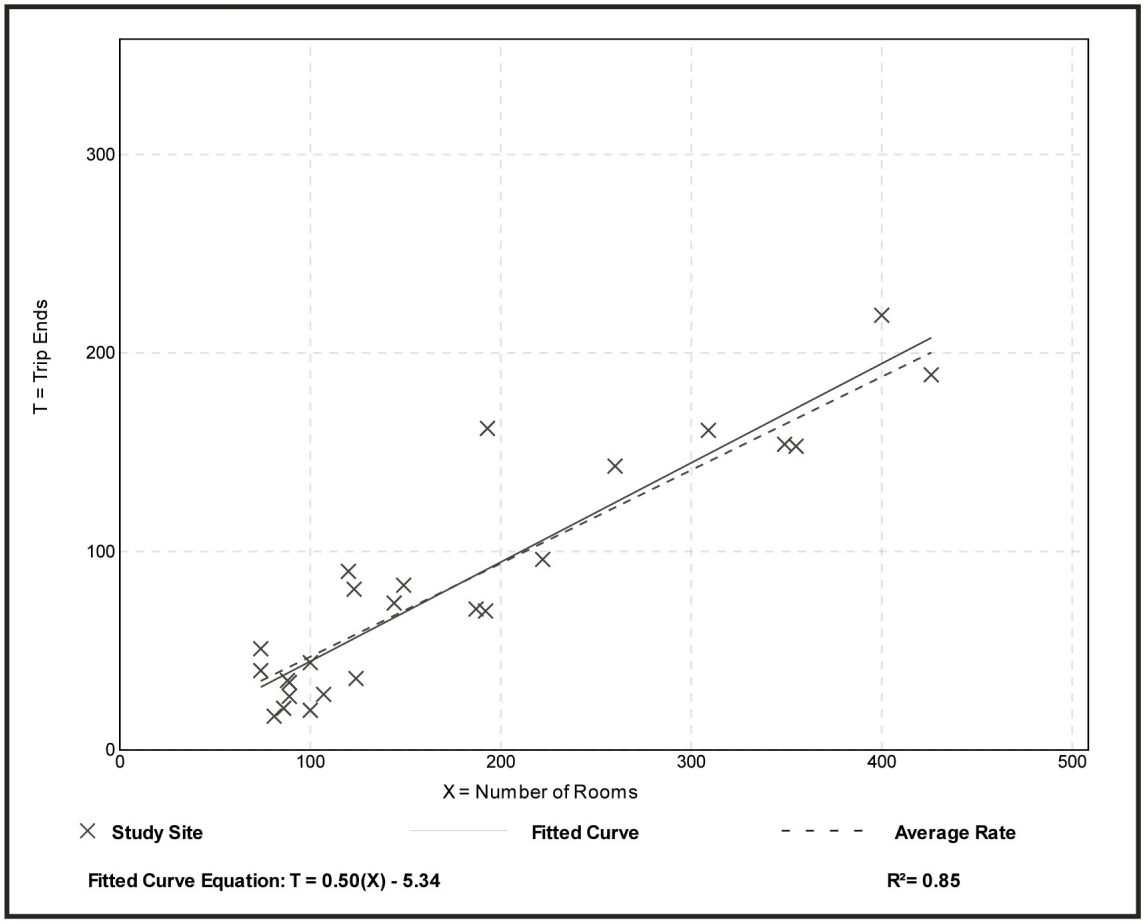
Hotel
(310)

Vehicle Trip Ends vs: **Rooms**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 25
Avg. Num. of Rooms: 178
Directional Distribution: 59% entering, 41% exiting

Vehicle Trip Generation per Room

Average Rate	Range of Rates	Standard Deviation
0.47	0.20 - 0.84	0.14

Data Plot and Equation



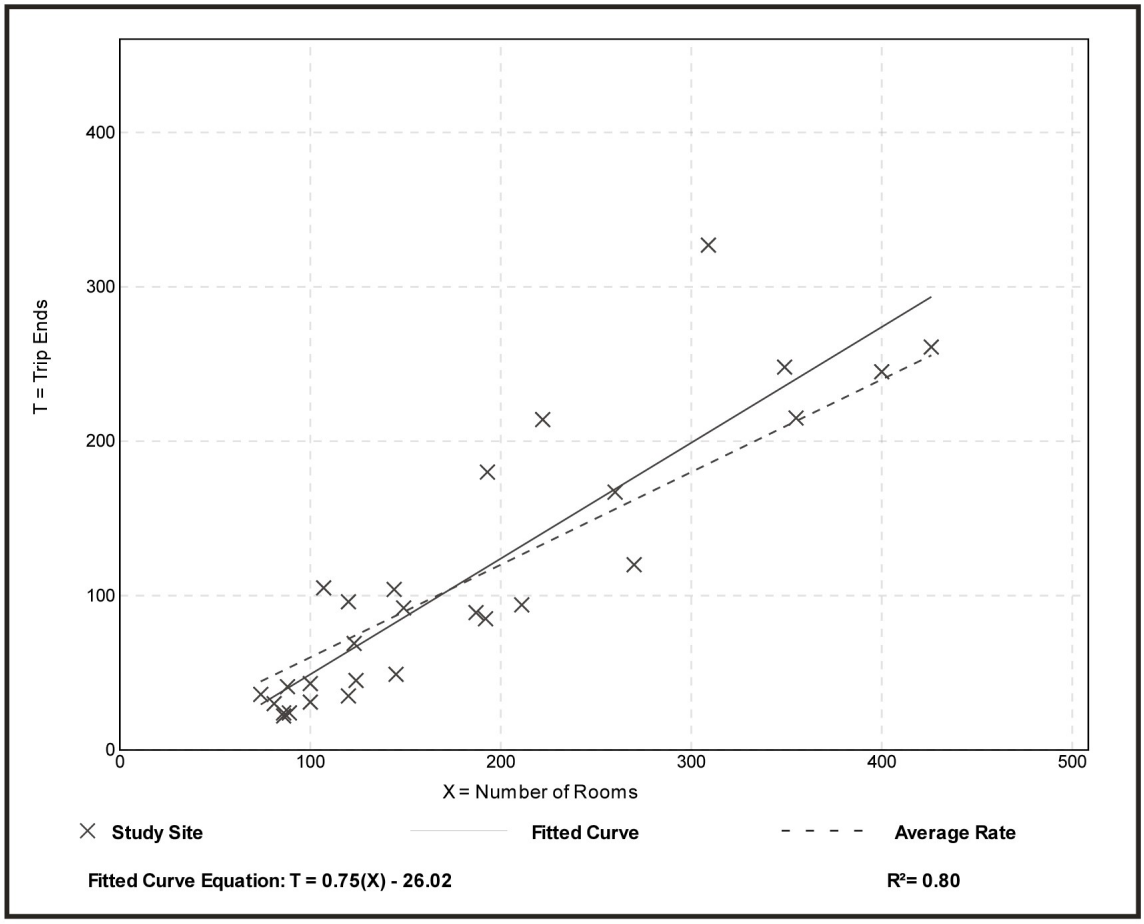
Hotel
(310)

Vehicle Trip Ends vs: **Rooms**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 28
Avg. Num. of Rooms: 183
Directional Distribution: 51% entering, 49% exiting

Vehicle Trip Generation per Room

Average Rate	Range of Rates	Standard Deviation
0.60	0.26 - 1.06	0.22

Data Plot and Equation



Recreational Community Center
(495)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday**

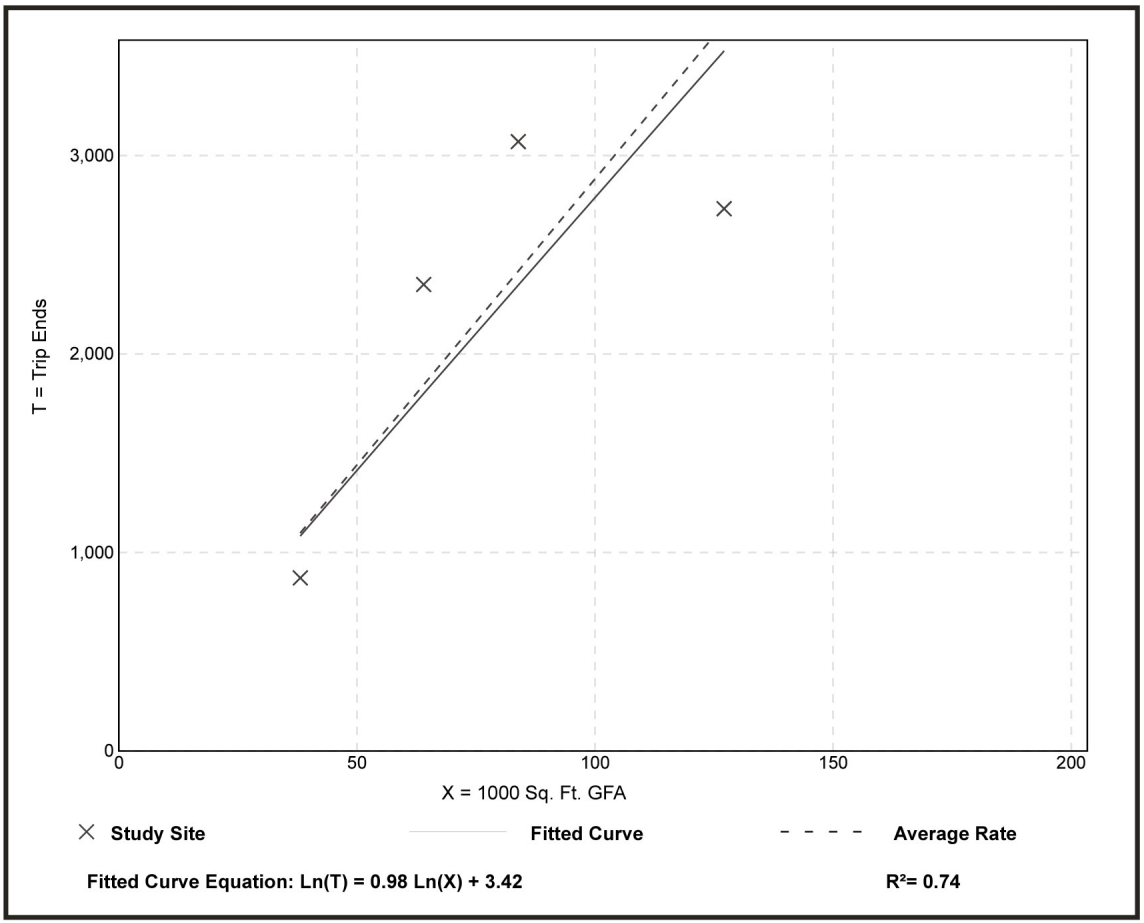
Setting/Location: **General Urban/Suburban**
Number of Studies: 4
1000 Sq. Ft. GFA: 78
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
28.82	21.49 - 36.71	8.56

Data Plot and Equation

Caution – Small Sample Size



Fitted Curve Equation: Ln(T) = 0.98 Ln(X) + 3.42

R^2= 0.74

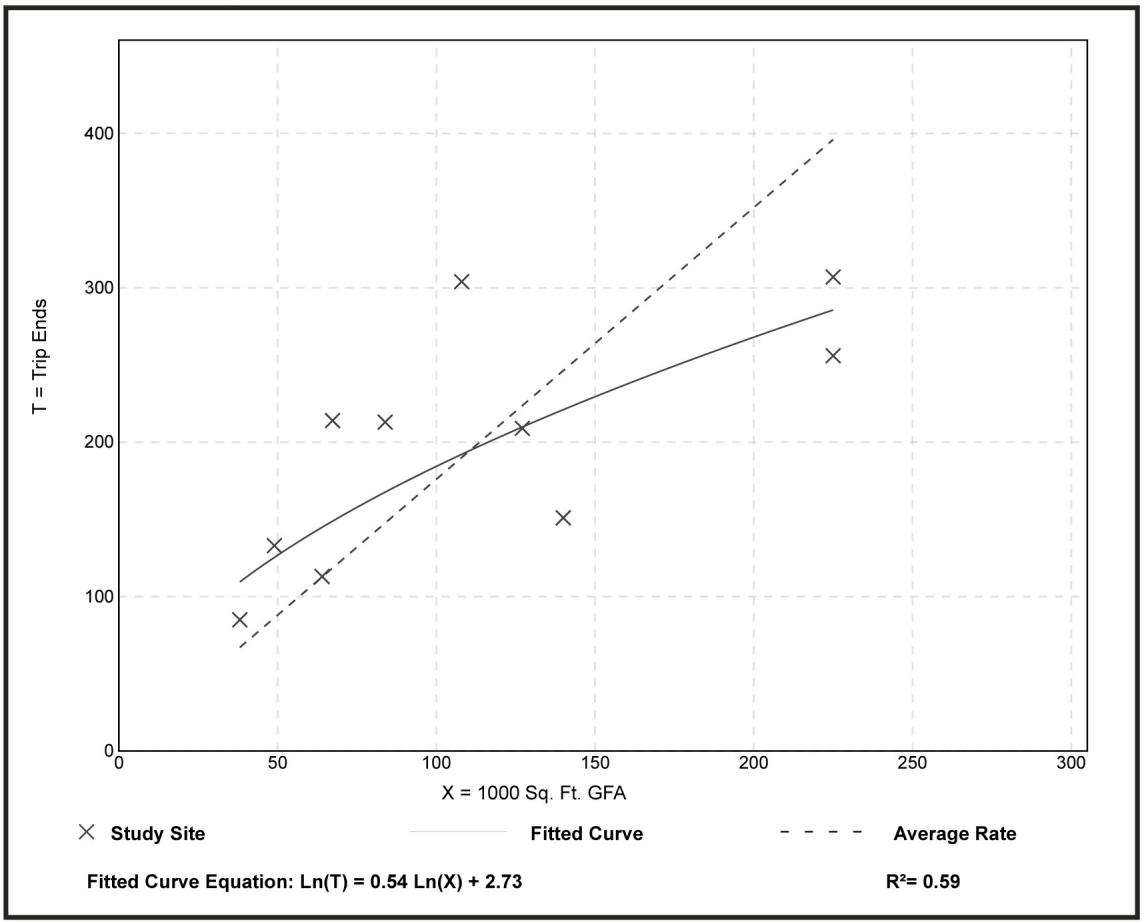
Recreational Community Center
(495)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 10
1000 Sq. Ft. GFA: 113
Directional Distribution: 66% entering, 34% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
1.76	1.08 - 3.18	0.74

Data Plot and Equation



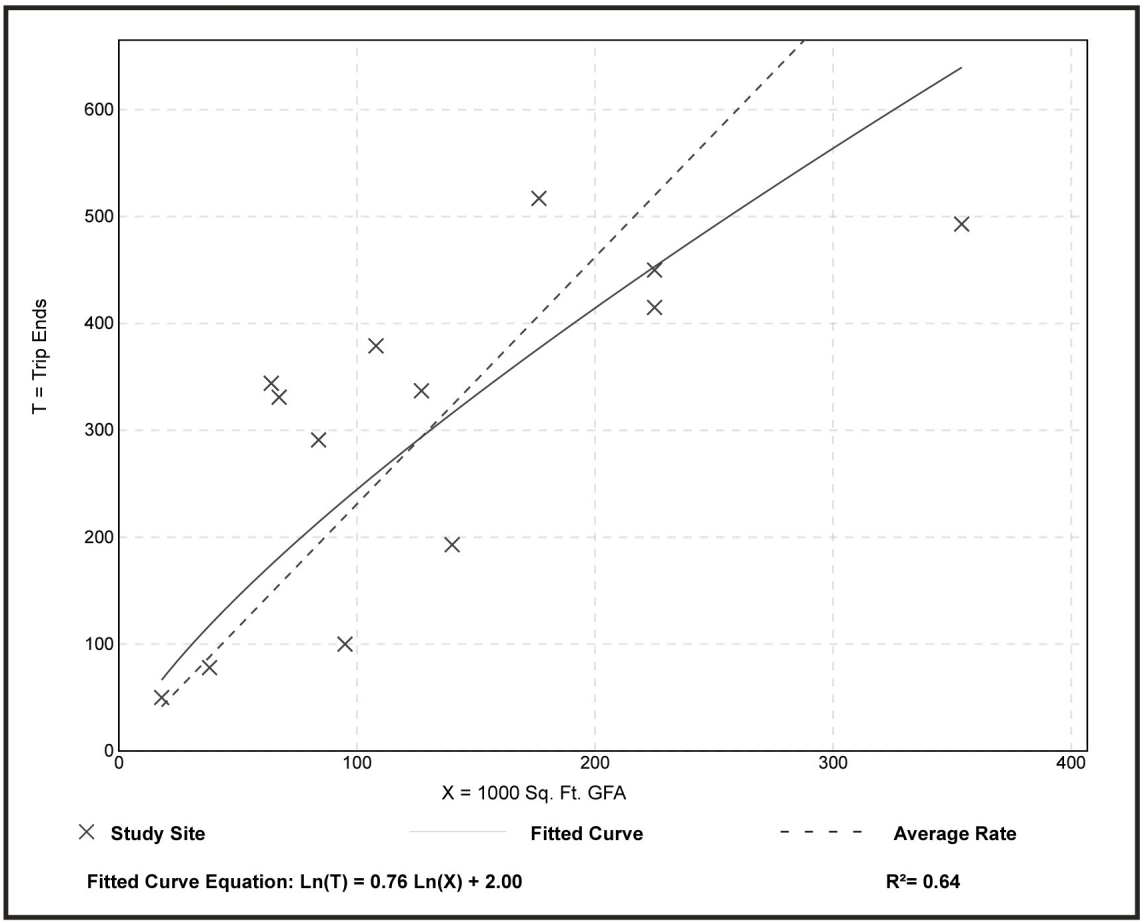
Recreational Community Center
(495)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 13
1000 Sq. Ft. GFA: 132
Directional Distribution: 47% entering, 53% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.31	1.05 - 5.37	1.14

Data Plot and Equation



Medical-Dental Office Building
(720)

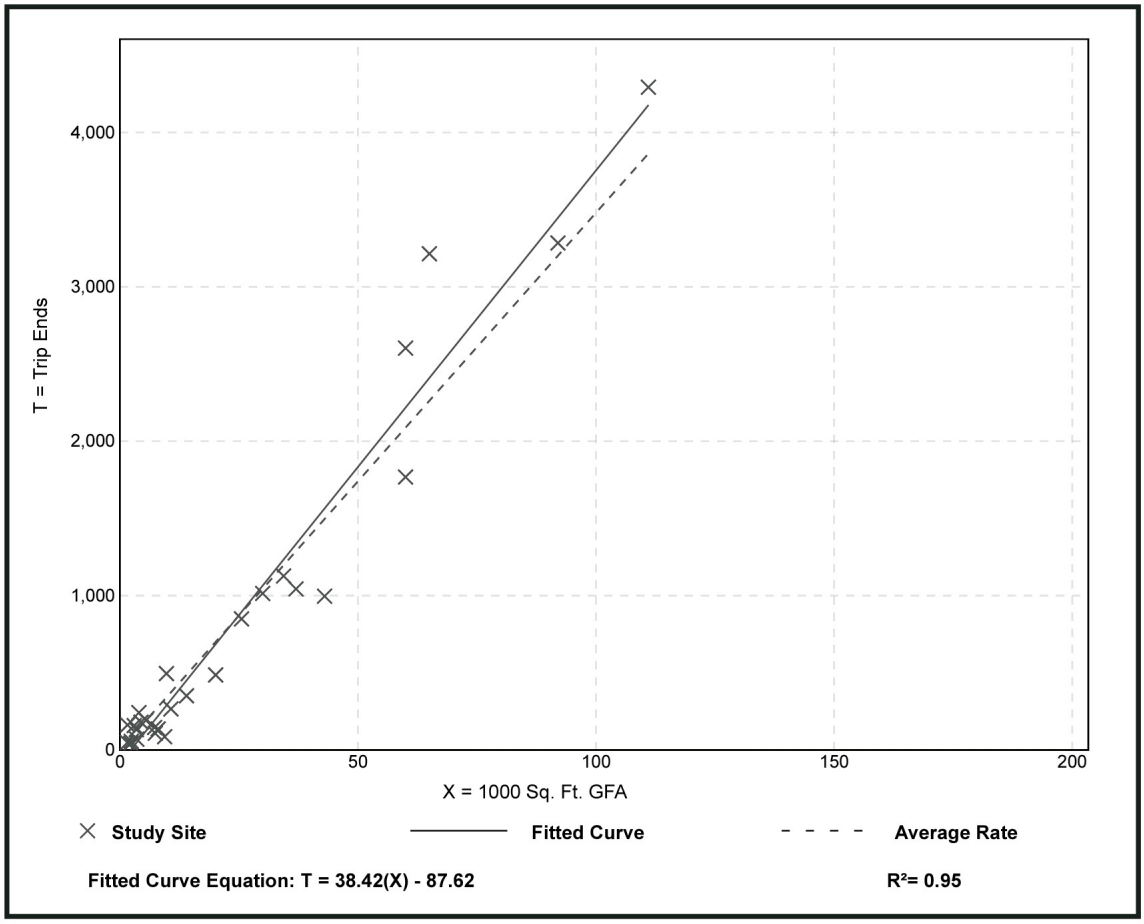
Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday**

Setting/Location: **General Urban/Suburban**
Number of Studies: 28
1000 Sq. Ft. GFA: 24
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
34.80	9.14 - 100.75	9.79

Data Plot and Equation



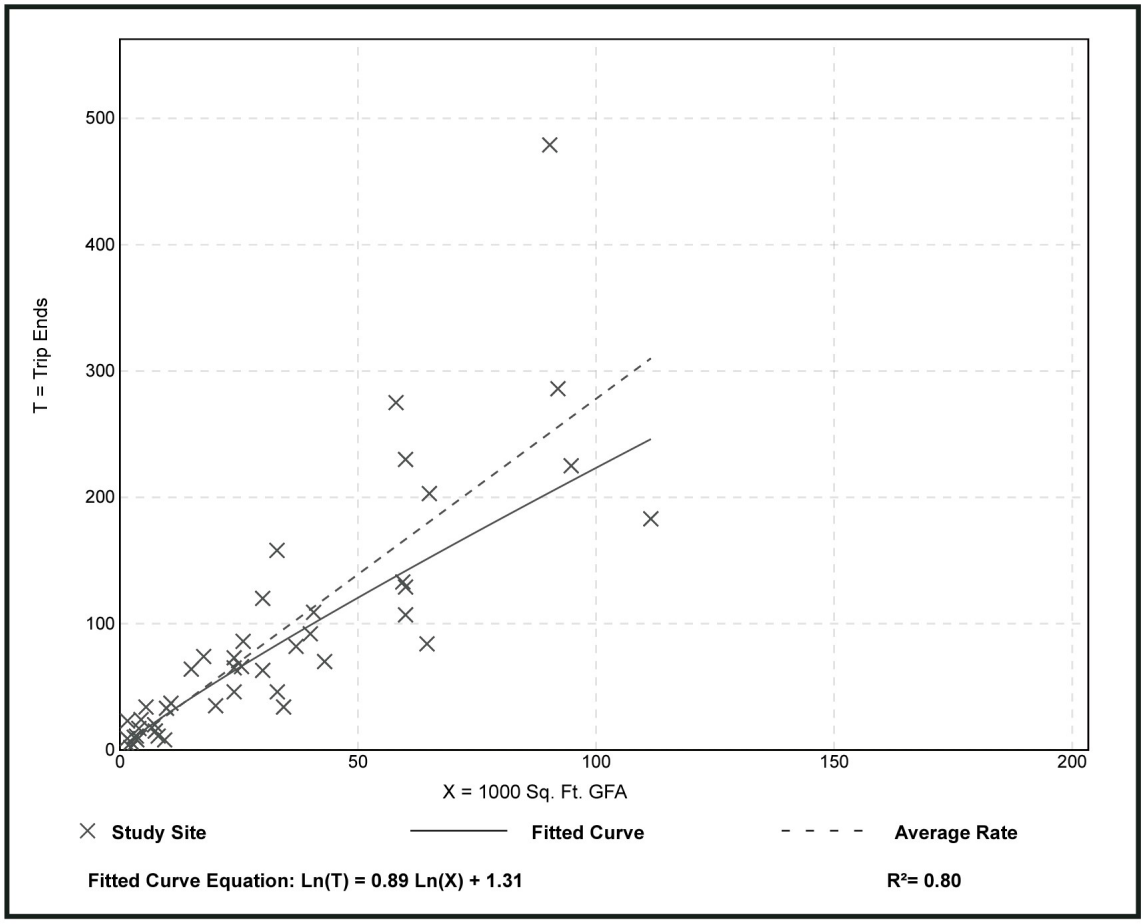
Medical-Dental Office Building
(720)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 44
1000 Sq. Ft. GFA: 32
Directional Distribution: 78% entering, 22% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.78	0.85 - 14.30	1.28

Data Plot and Equation



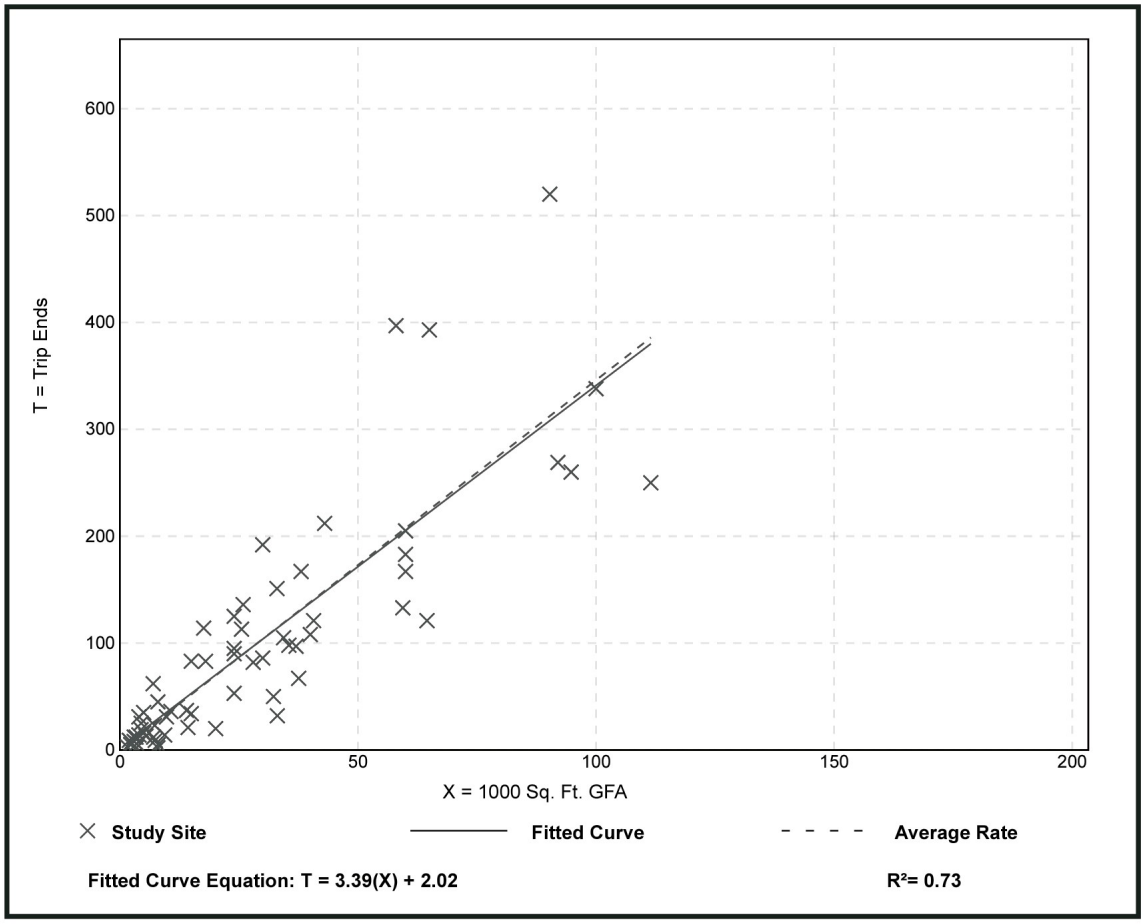
Medical-Dental Office Building
(720)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 65
1000 Sq. Ft. GFA: 28
Directional Distribution: 28% entering, 72% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
3.46	0.25 - 8.86	1.58

Data Plot and Equation



Shopping Center
(820)

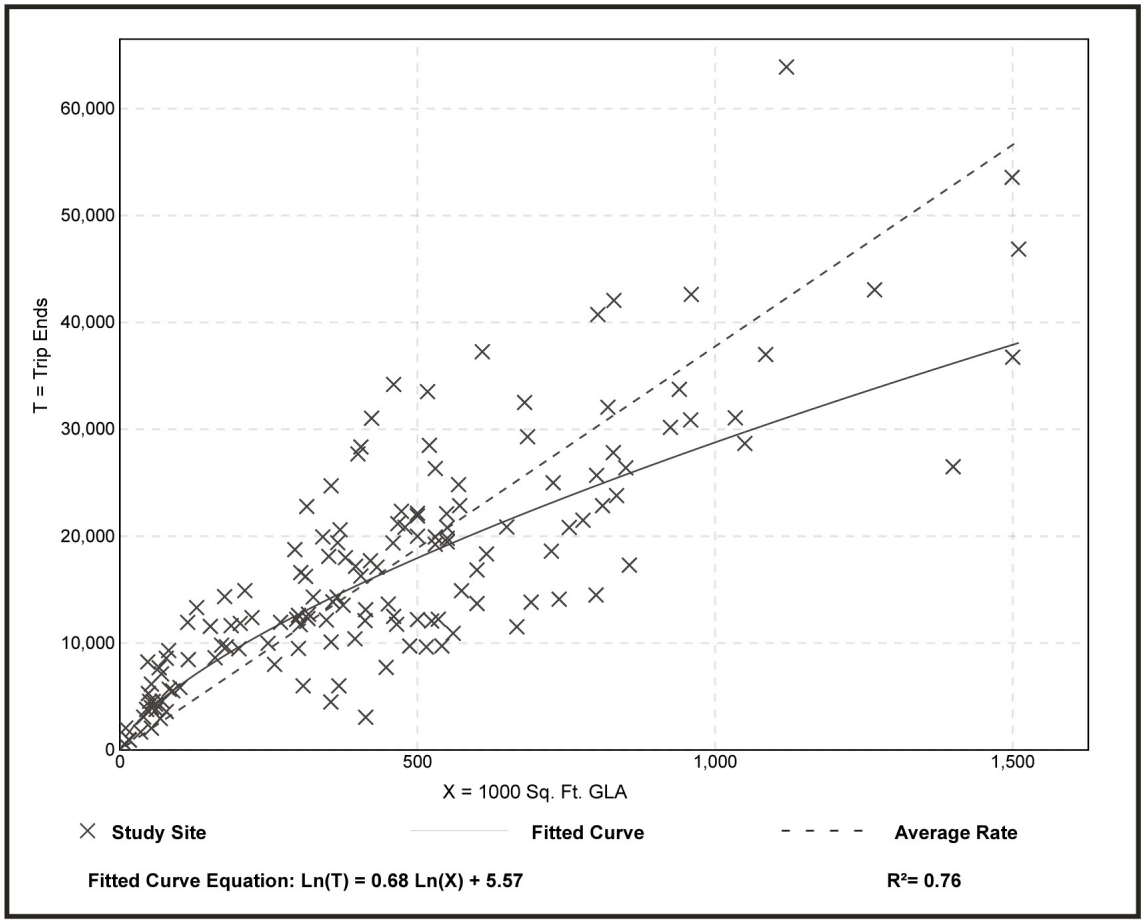
Vehicle Trip Ends vs: **1000 Sq. Ft. GLA**
On a: **Weekday**

Setting/Location: **General Urban/Suburban**
Number of Studies: 147
1000 Sq. Ft. GLA: 453
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
37.75	7.42 - 207.98	16.41

Data Plot and Equation



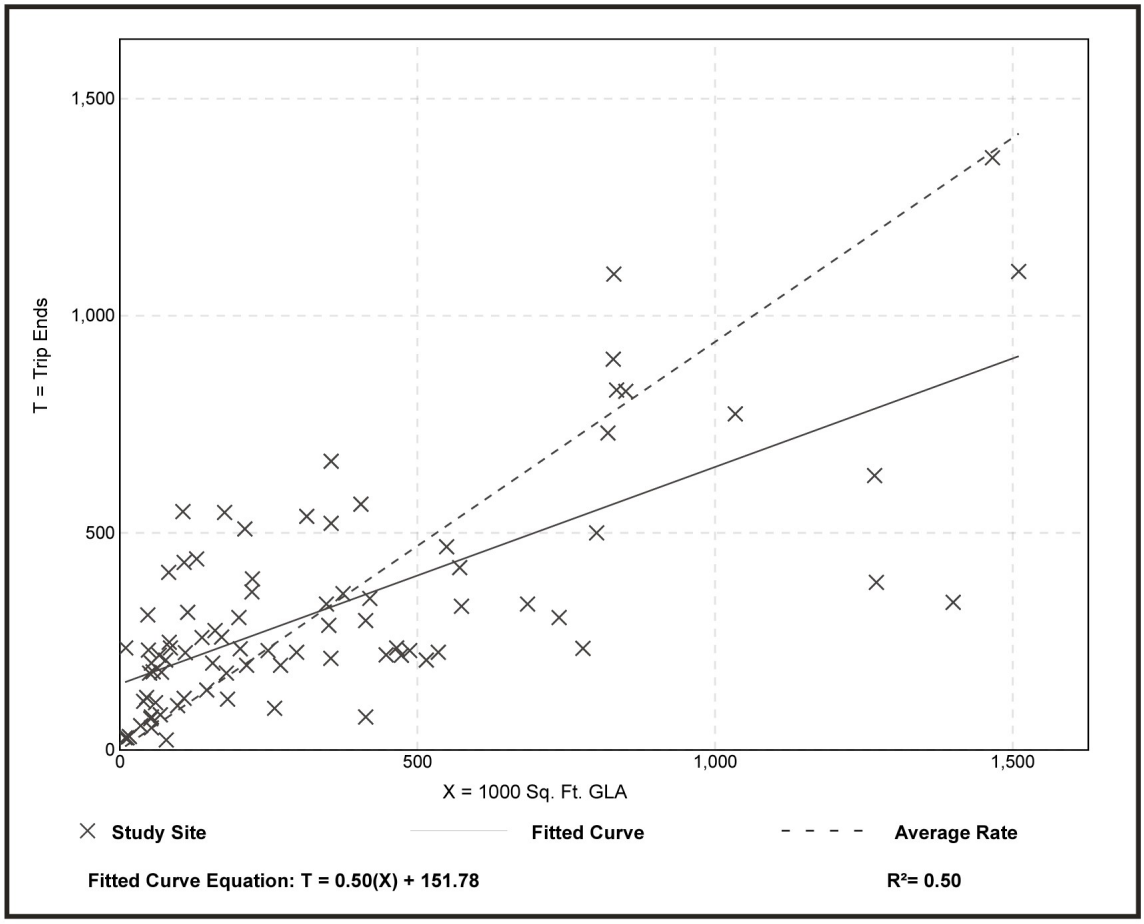
Shopping Center
(820)

Vehicle Trip Ends vs: **1000 Sq. Ft. GLA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 84
1000 Sq. Ft. GLA: 351
Directional Distribution: 62% entering, 38% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
0.94	0.18 - 23.74	0.87

Data Plot and Equation



Shopping Center
(820)

Vehicle Trip Ends vs: **1000 Sq. Ft. GLA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 261
1000 Sq. Ft. GLA: 327
Directional Distribution: 48% entering, 52% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
3.81	0.74 - 18.69	2.04

Data Plot and Equation

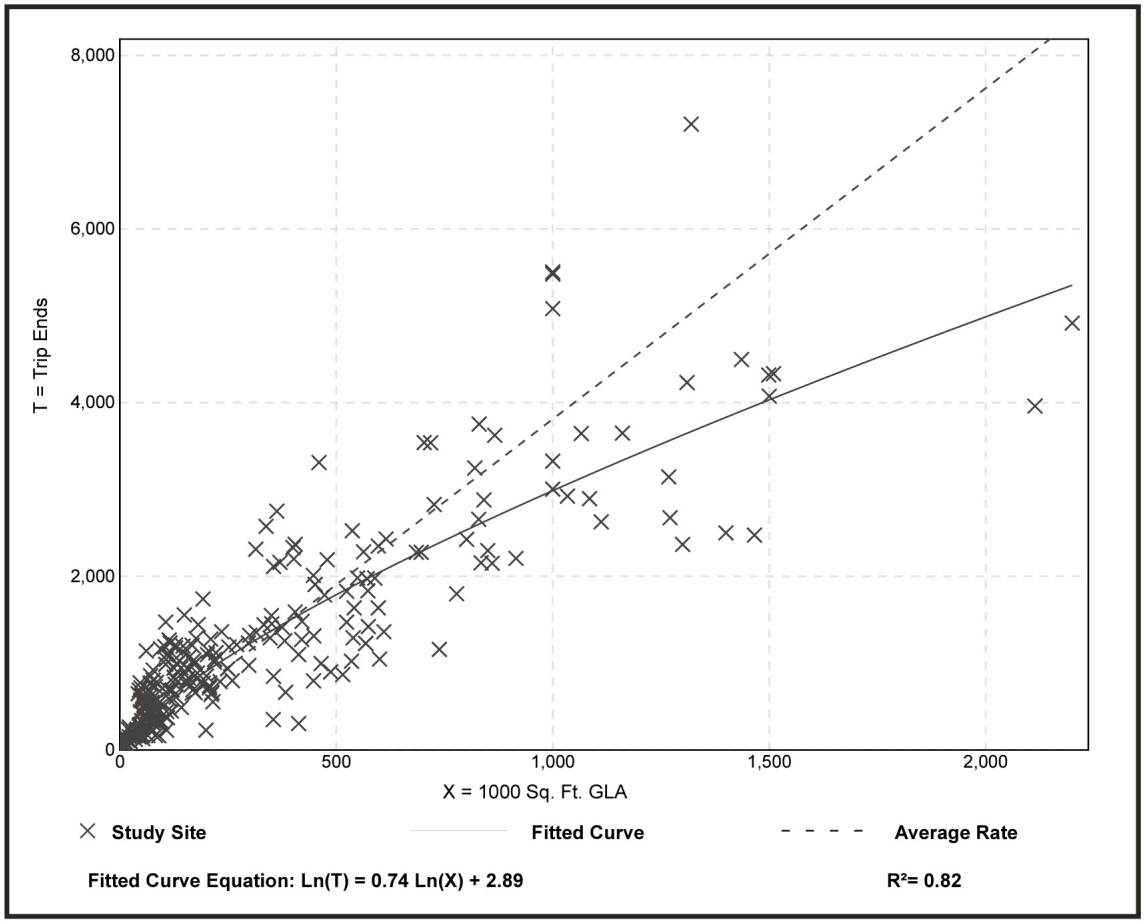


Table E.9 (Cont'd) Pass-By and Non-Pass-By Trips Weekday, PM Peak Period Land Use Code 820—Shopping Center

SIZE (1,000 SQ. FT. GLA)	LOCATION	WEEKDAY SURVEY DATE	NO. OF INTERVIEWS	TIME PERIOD	PASS-BY TRIP (%)	NON-PASS-BY TRIP (%)			ADJ. STREET PEAK HOUR VOLUME	AVERAGE 24-HOUR TRAFFIC	SOURCE
						PRIMARY	DIVERTED	TOTAL			
921	Albany, NY	July & Aug. 1985	196	4:00–6:00 p.m.	23	42	35	77	—	60,950	Raymond Keyes Assoc.
108	Overland Park, KS	July 1988	111	4:30–5:30 p.m.	26	61	13	74	—	34,000	—
118	Overland Park, KS	Aug. 1988	123	4:30–5:30 p.m.	25	55	20	75	—	—	—
256	Greece, NY	June 1988	120	4:00–6:00 p.m.	38	62	—	62	—	23,410	Sear Brown
160	Greece, NY	June 1988	78	4:00–6:00 p.m.	29	71	—	71	—	57,306	Sear Brown
550	Greece, NY	June 1988	117	4:00–6:00 p.m.	48	52	—	52	—	40,763	Sear Brown
51	Boca Raton, FL	Dec. 1987	110	4:00–6:00 p.m.	33	34	33	67	—	42,225	Kimley-Horn and Assoc. Inc.
1,090	Ross Twp, PA	July 1988	411	2:00–8:00 p.m.	34	56	10	66	—	51,500	Wilbur Smith and Assoc.
97	Upper Dublin Twp, PA	Winter 1988/89	—	4:00–6:00 p.m.	41	—	—	59	—	34,000	McMahon Associates
118	Tredyffrin Twp, PA	Winter 1988/89	—	4:00–6:00 p.m.	24	—	—	76	—	10,000	Booz Allen & Hamilton
122	Lawnside, NJ	Winter 1988/89	—	4:00–6:00 p.m.	37	—	—	63	—	20,000	Pennoni Associates
126	Boca Raton, FL	Winter 1988/89	—	4:00–6:00 p.m.	43	—	—	57	—	40,000	McMahon Associates
150	Willow Grove, PA	Winter 1988/89	—	4:00–6:00 p.m.	39	—	—	61	—	26,000	Booz Allen & Hamilton
153	Broward Cnty., FL	Winter 1988/89	—	4:00–6:00 p.m.	50	—	—	50	—	85,000	McMahon Associates
153	Arden, DE	Winter 1988/89	—	4:00–6:00 p.m.	30	—	—	70	—	26,000	Orth-Rodgers & Assoc. Inc.
154	Doylestown, PA	Winter 1988/89	—	4:00–6:00 p.m.	32	—	—	68	—	29,000	Orth-Rodgers & Assoc. Inc.
164	Middletown Twp, PA	Winter 1988/89	—	4:00–6:00 p.m.	33	—	—	67	—	25,000	Booz Allen & Hamilton
166	Haddon Twp, NJ	Winter 1988/89	—	4:00–6:00 p.m.	20	—	—	80	—	6,000	Pennoni Associates
205	Broward Cnty., FL	Winter 1988/89	—	4:00–6:00 p.m.	55	—	—	45	—	62,000	McMahon Associates

Table E.9 (Cont'd) Pass-By and Non-Pass-By Trips Weekday, PM Peak Period Land Use Code 820—Shopping Center

SIZE (1,000 SQ. FT. GLA)	LOCATION	WEEKDAY SURVEY DATE	NO. OF INTERVIEWS	TIME PERIOD	PASS-BY TRIP (%)	NON-PASS-BY TRIP (%)			ADJ. STREET PEAK HOUR VOLUME	AVERAGE 24-HOUR TRAFFIC	SOURCE
						PRIMARY	DIVERTED	TOTAL			
237	W. Windsor Twp, NJ	Winter 1988/89	—	4:00–6:00 p.m.	48	—	—	52	—	46,000	Booz Allen & Hamilton
242	Willow Grove, PA	Winter 1988/89	—	4:00–6:00 p.m.	37	—	—	63	—	26,000	McMahon Associates
297	Whitehall, PA	Winter 1988/89	—	4:00–6:00 p.m.	33	—	—	67	—	26,000	Orth-Rodgers & Assoc. Inc.
360	Broward Cnty., FL	Winter 1988/89	—	4:00–6:00 p.m.	44	—	—	56	—	73,000	McMahon Associates
370	Pittsburgh, PA	Winter 1988/89	—	4:00–6:00 p.m.	19	—	—	81	—	33,000	Wilbur Smith
150	Portland, OR	—	519	4:00–6:00 p.m.	68	6	26	32	—	25,000	Kittelson and Associates
150	Portland, OR	—	655	4:00–6:00 p.m.	65	7	28	35	—	30,000	Kittelson and Associates
760	Calgary, Alberta	Oct.-Dec. 1987	15,436	4:00–6:00 p.m.	20	39	41	80	—	—	City of Calgary DOT
178	Bordentown, NJ	Apr. 1989	154	2:00–6:00 p.m.	35	—	—	65	—	37,980	Raymond Keyes Assoc.
144	Manalapan, NJ	July 1990	176	3:30–6:15 p.m.	32	44	24	68	—	69,347	Raymond Keyes Assoc.
549	Natick, MA	Feb. 1989	—	4:45–5:45 p.m.	33	26	41	67	—	48,782	Raymond Keyes Assoc.

Average Pass-By Trip Percentage: 34

"—" means no data were provided

Supermarket
(850)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday**

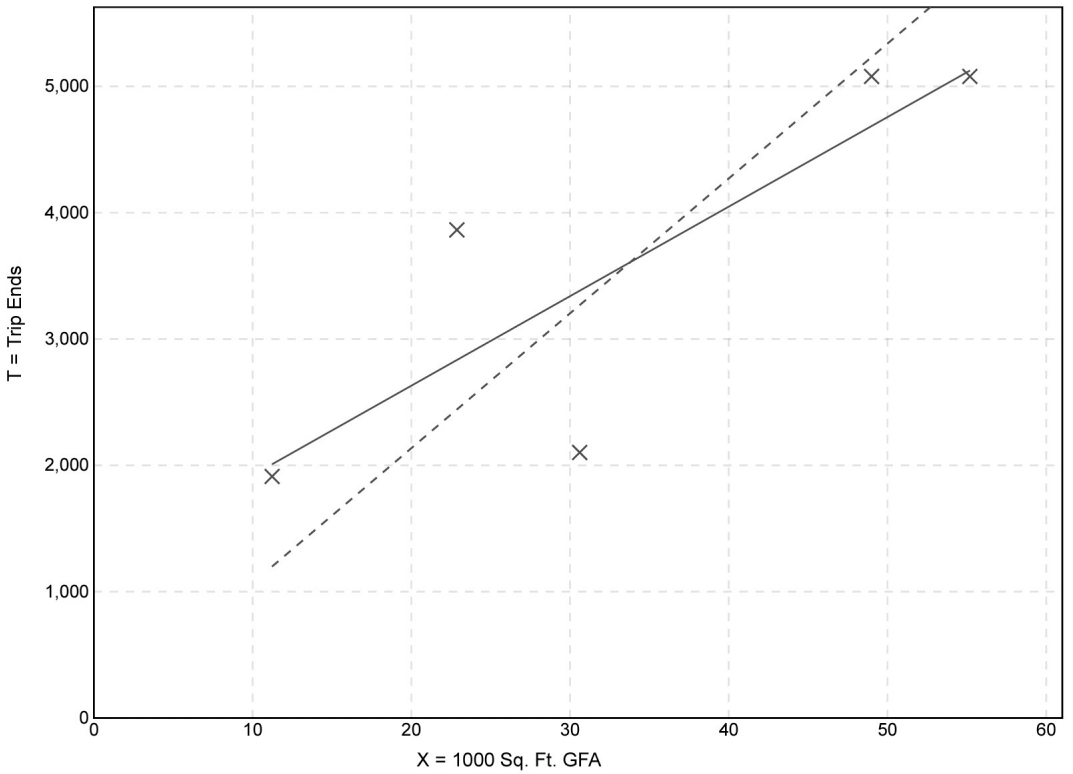
Setting/Location: **General Urban/Suburban**
Number of Studies: 5
1000 Sq. Ft. GFA: 34
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
106.78	68.67 - 170.24	37.56

Data Plot and Equation

Caution – Small Sample Size



Fitted Curve Equation: T = 70.89(X) + 1212.64

R^2= 0.70

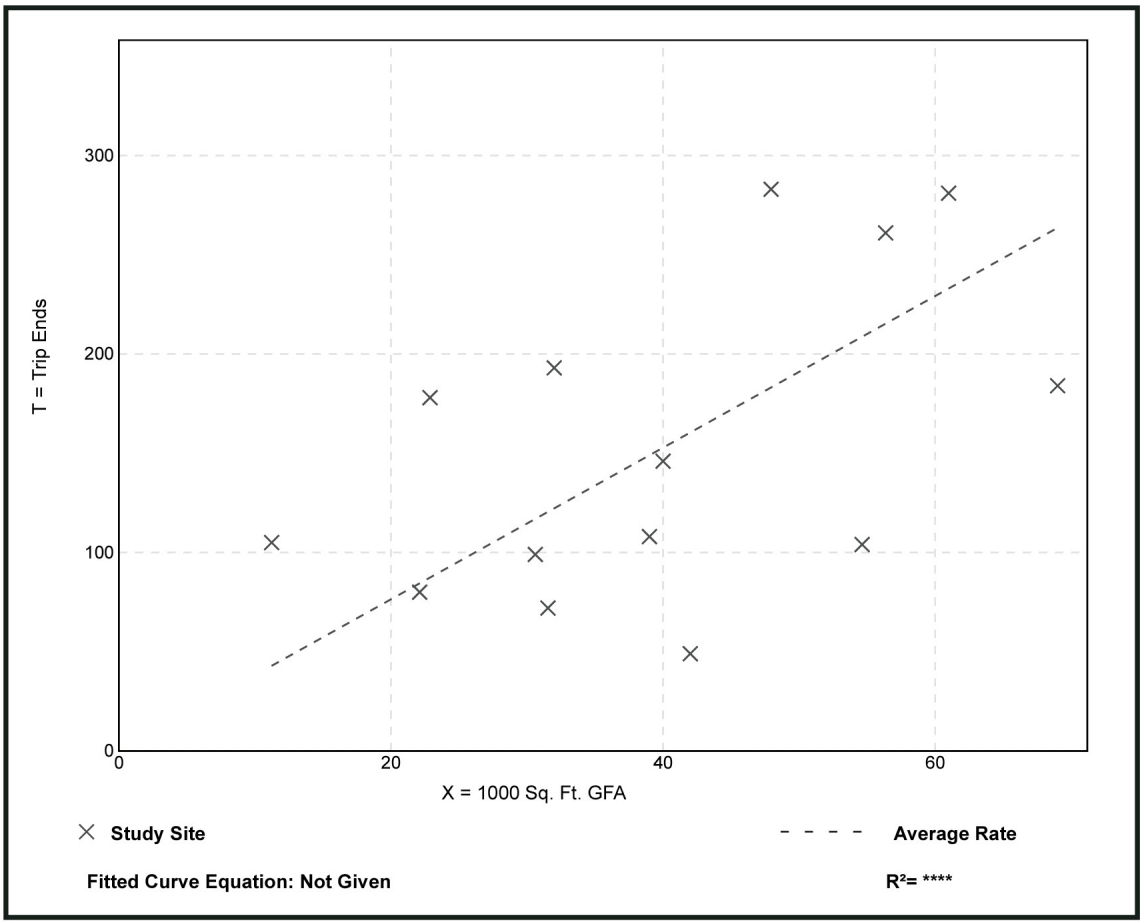
Supermarket
(850)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 14
1000 Sq. Ft. GFA: 40
Directional Distribution: 60% entering, 40% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
3.82	1.17 - 9.35	1.89

Data Plot and Equation



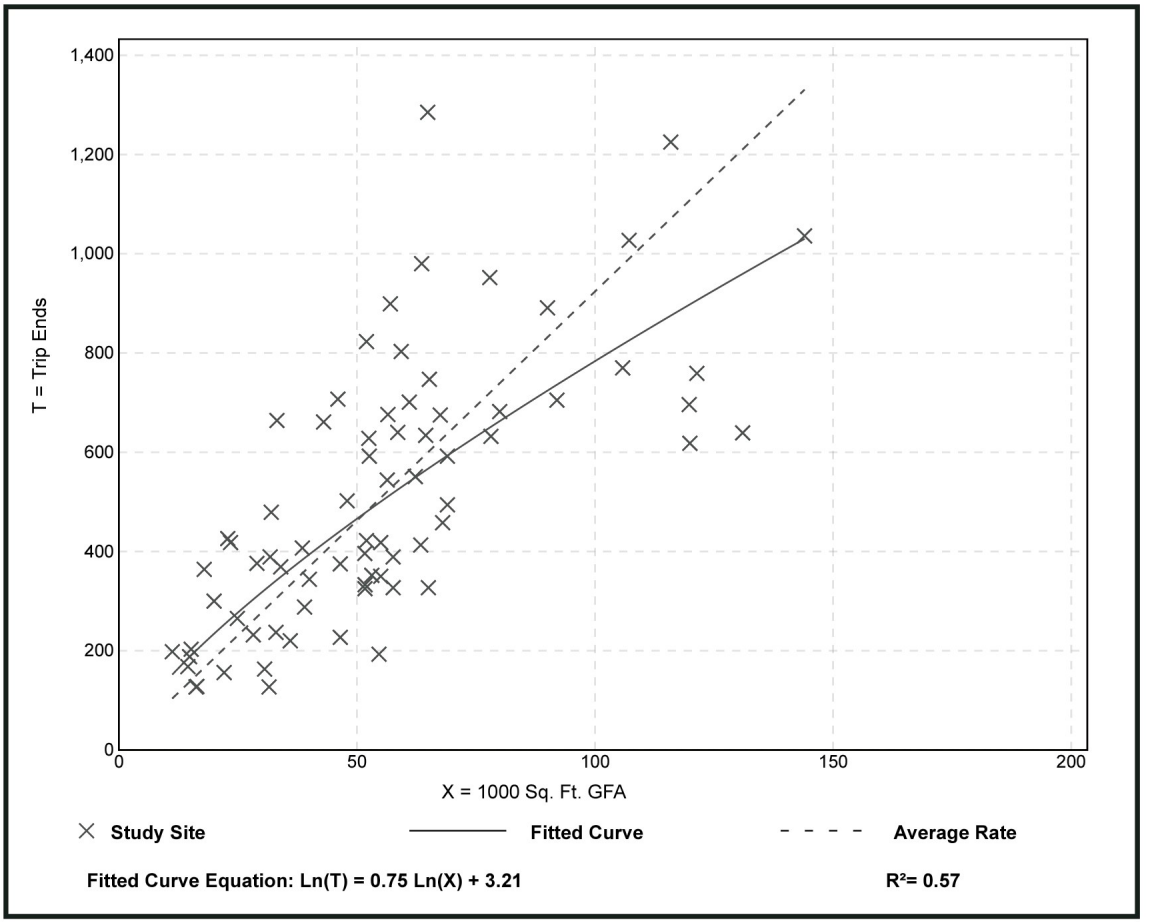
Supermarket
(850)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 73
1000 Sq. Ft. GFA: 55
Directional Distribution: 51% entering, 49% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
9.24	3.53 - 20.30	3.69

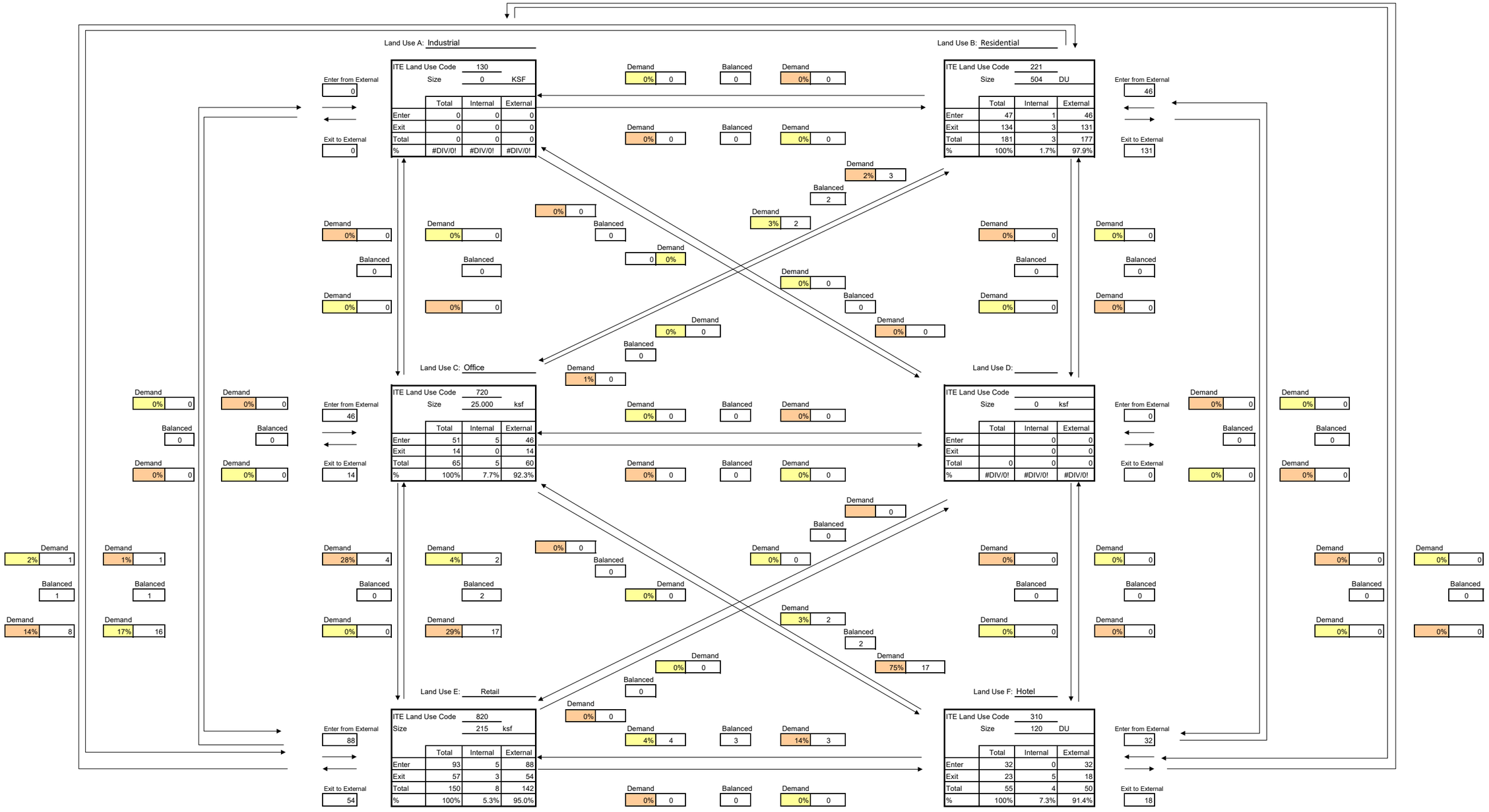
Data Plot and Equation



Analyst A. Saidi
Date 10/9/2020

Multi-Use Development
Internal Capture Summary

Name of Devlopment: Floridian Toen Center
Time Period AM Peak Hour



Net External Trips for Multi-Use Development

	Land Use A Industrial	Land Use B Residential	Land Use C Office	Land Use D 0	Land Use E Retail	Land Use F Hotel	**Total**	Passer By	**Net Trips**
Enter	0	46	46	0	88	32	213	30	182
Exit	0	131	14	0	54	18	217	19	199
Sub-Total	0	177	60	0	142	50	**430**	49	381
Passer By Trips					49		49		
Total	**0**	**177**	**60**	**0**	**93**	**50**	**381**		**381**
Single-Use Trip Gen Estimate	0	181	65	0	150	55	451		

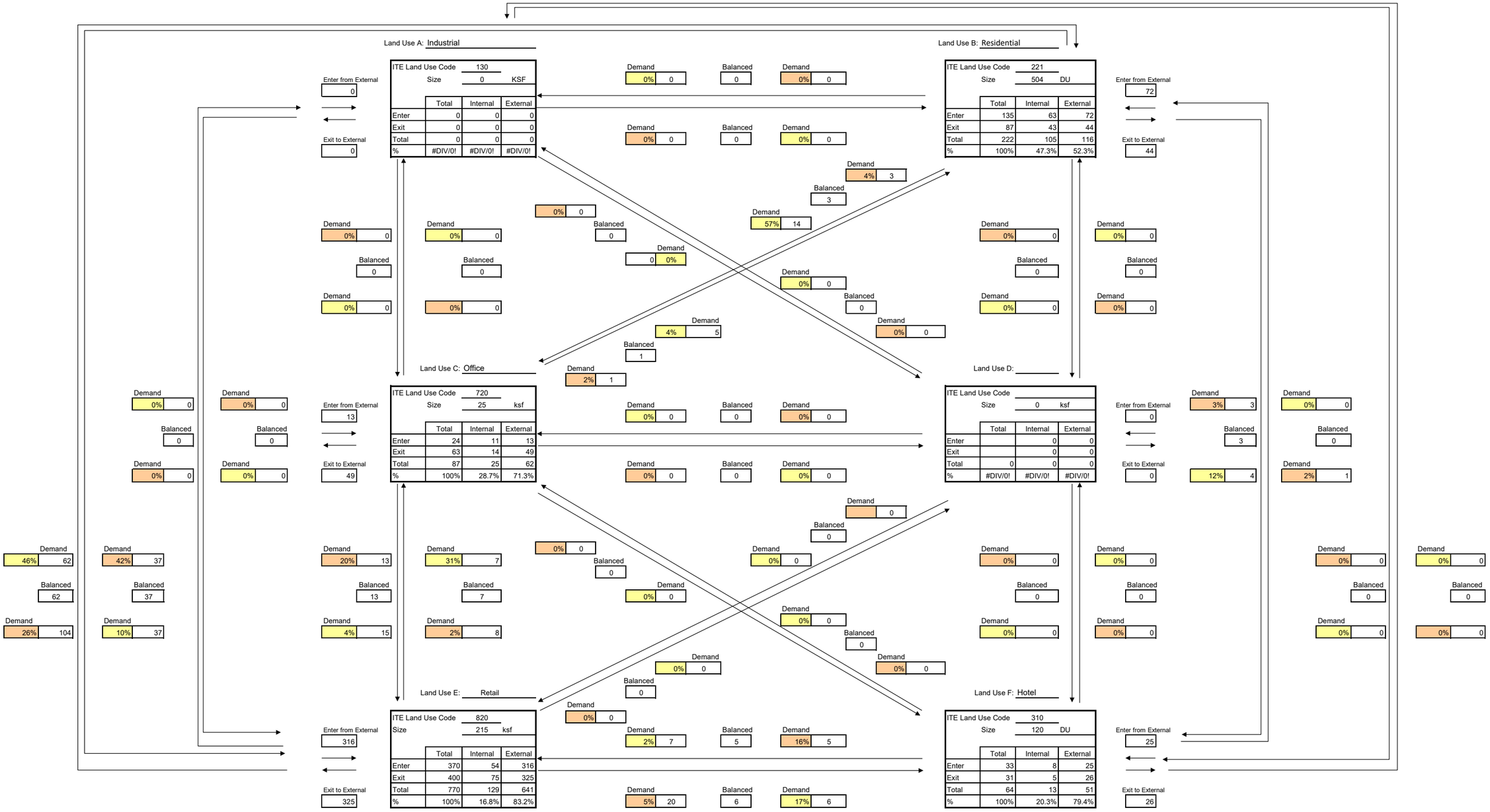
Internal Capture
21
4.7%

Source: Traffic Mobility Consultants,LLC, based on procedures from the ITE Trip Generation Handbook, 3rd Edition

Analyst A. Saidi
Date 10/9/2020

Multi-Use Development
Internal Capture Summary

Name of Devlopment: Floridian Toen Center
Time Period PM Peak Hour



Net External Trips for Multi-Use Development

	Land Use A Industrial	Land Use B Residential	Land Use C Office	Land Use D 0	Land Use E Retail	Land Use F Hotel	**Total**	Passer By	**Net Trips**
Enter	0	72	13	0	316	25	425	96	330
Exit	0	44	49	0	325	26	444	103	341
Sub-Total	0	116	62	0	641	51	**870**	199	671
Passer By Trips					199		199		
Total	**0**	**116**	**62**	**0**	**442**	**51**	**671**		**671**
Single-Use Trip Gen Estimate	0	222	87	0	770	64	1,143		

Internal Capture
273
23.9%

Source: Traffic Mobility Consultants,LLC, based on procedures from the ITE Trip Generation Handbook, 3rd Edition

Table E.13 Pass-By and Non-Pass-By Trips Weekday, PM Peak Period
Land Use Code 850—Supermarket

SIZE (1,000 SQ. FT. GFA)	LOCATION	WEEKDAY SURVEY DATE	NO. OF INTERVIEWS	TIME PERIOD	PASS-BY TRIP (%)	NON-PASS-BY TRIPS (%)			AVERAGE DAILY TRAFFIC	SOURCE
						PRIMARY	DIVERTED	TOTAL		
30	Overland Park, KS	1987	40	4:30–5:30 p.m.	32	48	20	68	—	—
<25	Chicago suburbs, IL	1987	155	3:00–6:00 p.m.	56	—	—	44	—	Kenig, O'Hara, Humes, Flock
<25	Chicago suburbs, IL	1987	191	3:00–6:00 p.m.	57	—	—	43	—	Kenig, O'Hara, Humes, Flock
<25	Chicago suburbs, IL	1987	113	3:00–6:00 p.m.	56	—	—	44	—	Kenig, O'Hara, Humes, Flock
34	Omaha, NE	—	—	4:00–6:00 p.m.	44	29	27	56	15,200	University of Nebraska–Lincoln
66	Omaha, NE	—	—	4:00–6:00 p.m.	23	30	47	77	63,000	University of Nebraska–Lincoln
70	Omaha, NE	—	—	4:00–6:00 p.m.	26	30	44	74	34,300	University of Nebraska–Lincoln
31	Omaha, NE	—	—	4:00–6:00 p.m.	19	36	45	81	48,700	University of Nebraska–Lincoln
31	Omaha, NE	—	—	4:00–6:00 p.m.	28	40	32	72	23,500	University of Nebraska–Lincoln
55	Omaha, NE	—	—	4:00–6:00 p.m.	27	35	38	73	27,200	University of Nebraska–Lincoln
65	Omaha, NE	—	—	4:00–6:00 p.m.	25	25	50	75	44,700	University of Nebraska–Lincoln
31	Orlando, FL	1993	440	2:00–6:00 p.m.	35	—	—	65	—	TPD Inc.

Average Pass-By Trip Percentage: 36
"—" means no data were provided

Table 6.1 Unconstrained Internal Person Trip Capture Rates for Trip Origins within a Mixed-Use Development

		WEEKDAY	
		AM Peak Hour	PM Peak Hour
From OFFICE	To Retail	28%	20%
	To Restaurant	63%	4%
	To Cinema/Entertainment	0%	0%
	To Residential	1%	2%
	To Hotel	0%	0%
From RETAIL	To Office	29%	2%
	To Restaurant	13%	29%
	To Cinema/Entertainment	0%	4%
	To Residential	14%	26%
	To Hotel	0%	5%
From RESTAURANT	To Office	31%	3%
	To Retail	14%	41%
	To Cinema/Entertainment	0%	8%
	To Residential	4%	18%
	To Hotel	3%	7%
From CINEMA/ENTERTAINMENT	To Office	0%	2%
	To Retail	0%	21%
	To Restaurant	0%	31%
	To Residential	0%	8%
	To Hotel	0%	2%
From RESIDENTIAL	To Office	2%	4%
	To Retail	1%	42%
	To Restaurant	20%	21%
	To Cinema/Entertainment	0%	0%
	To Hotel	0%	3%
From HOTEL	To Office	75%	0%
	To Retail	14%	16%
	To Restaurant	9%	68%
	To Cinema/Entertainment	0%	0%
	To Residential	0%	2%

Source: Bochner, B., K. Hooper, B. Sperry, and R. Dunphy. NCHRP Report 684: *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments.* Washington, DC: Transportation Research Board, Tables 99 and 100, 2011.

Table 6.2 Unconstrained Internal Person Trip Capture Rates for Trip Destinations within a Mixed-Use Development

		Weekday	
		AM Peak Hour	PM Peak Hour
To OFFICE	From Retail	4%	31%
	From Restaurant	14%	30%
	From Cinema/Entertainment	0%	6%
	From Residential	3%	57%
	From Hotel	3%	0%
To RETAIL	From Office	32%	8%
	From Restaurant	8%	50%
	From Cinema/Entertainment	0%	4%
	From Residential	17%	10%
	From Hotel	4%	2%
To RESTAURANT	From Office	23%	2%
	From Retail	50%	29%
	From Cinema/Entertainment	0%	3%
	From Residential	20%	14%
	From Hotel	6%	5%
To CINEMA/ENTERTAINMENT	From Office	0%	1%
	From Retail	0%	26%
	From Restaurant	0%	32%
	From Residential	0%	0%
	From Hotel	0%	0%
To RESIDENTIAL	From Office	0%	4%
	From Retail	2%	46%
	From Restaurant	5%	16%
	From Cinema/Entertainment	0%	4%
	From Hotel	0%	0%
To HOTEL	From Office	0%	0%
	From Retail	0%	17%
	From Restaurant	4%	71%
	From Cinema/Entertainment	0%	1%
	From Residential	0%	12%

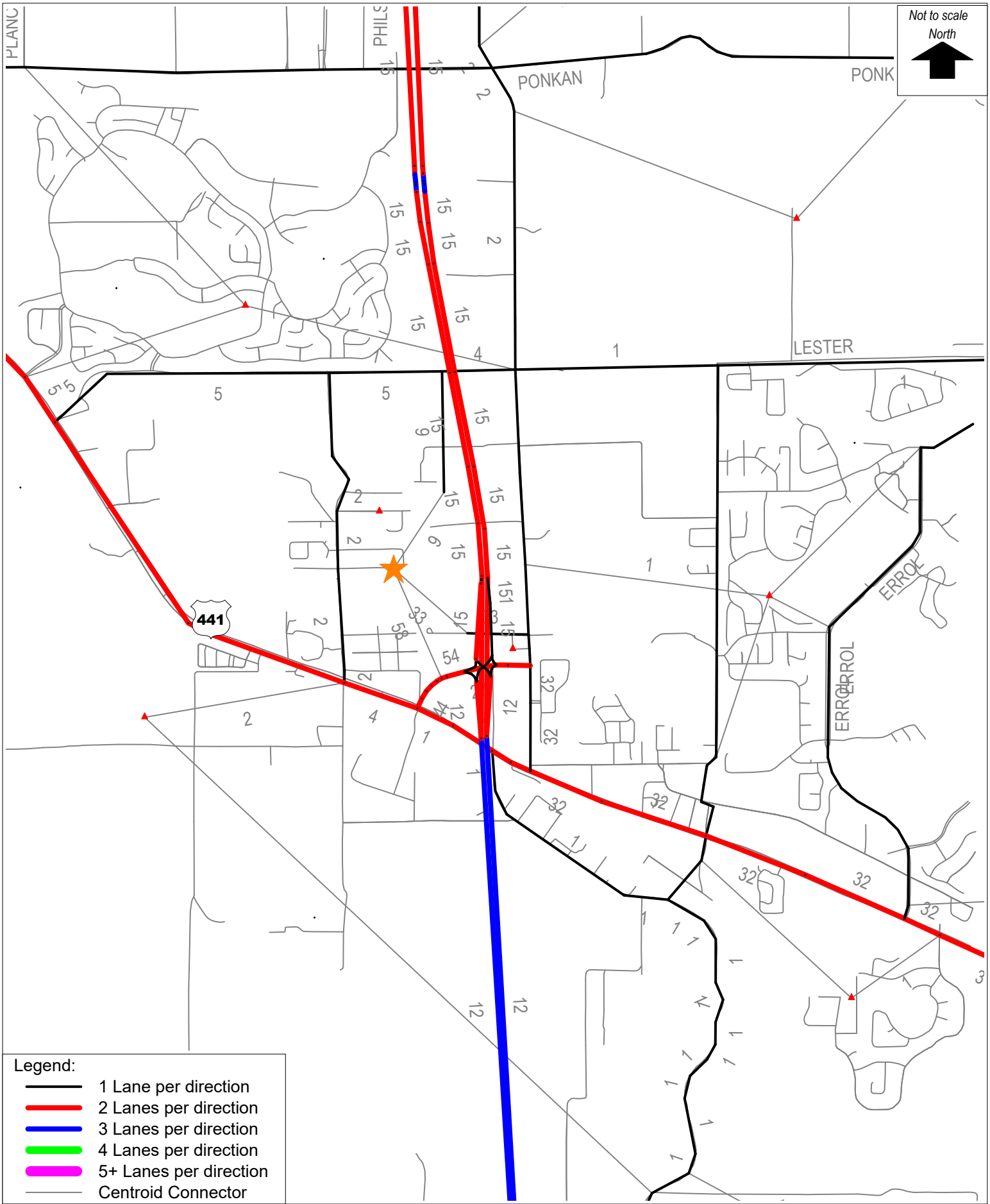
Source: Bochner, B., K. Hooper, B. Sperry, and R. Dunphy. NCHRP Report 684: *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments.* Washington, DC: Transportation Research Board, Tables 101 and 102, 2011.

Table 6.2 Unconstrained Internal Person Trip Capture Rates for Trip Destinations within a Mixed-Use Development

		Weekday	
		AM Peak Hour	PM Peak Hour
To OFFICE	From Retail	4%	31%
	From Restaurant	14%	30%
	From Cinema/Entertainment	0%	6%
	From Residential	3%	57%
	From Hotel	3%	0%
To RETAIL	From Office	32%	8%
	From Restaurant	8%	50%
	From Cinema/Entertainment	0%	4%
	From Residential	17%	10%
	From Hotel	4%	2%
To RESTAURANT	From Office	23%	2%
	From Retail	50%	29%
	From Cinema/Entertainment	0%	3%
	From Residential	20%	14%
	From Hotel	6%	5%
To CINEMA/ENTERTAINMENT	From Office	0%	1%
	From Retail	0%	26%
	From Restaurant	0%	32%
	From Residential	0%	0%
	From Hotel	0%	0%
To RESIDENTIAL	From Office	0%	4%
	From Retail	2%	46%
	From Restaurant	5%	16%
	From Cinema/Entertainment	0%	4%
	From Hotel	0%	0%
To HOTEL	From Office	0%	0%
	From Retail	0%	17%
	From Restaurant	4%	71%
	From Cinema/Entertainment	0%	1%
	From Residential	0%	12%

Source: Bochner, B., K. Hooper, B. Sperry, and R. Dunphy. NCHRP Report 684: *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments.* Washington, DC: Transportation Research Board, Tables 101 and 102, 2011.

Appendix G
OUATS Model Distribution Plot



MetroPlan Orlando 2040 LRTP Model - Floridian Town Center - Project Distribution - P18131.2 - Apopka
Project Distribution - CF2030 OUATS Model
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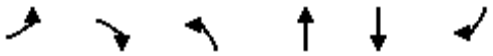
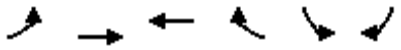
Appendix H
Projected Conditions Analysis Worksheets



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	123	64	42	153	217	255
Future Volume (veh/h)	123	64	42	153	217	255
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1856	1796	1796	1885	1841	1826
Adj Flow Rate, veh/h	128	67	44	159	226	266
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	3	7	7	1	4	5
Cap, veh/h	480	414	320	1038	320	377
Arrive On Green	0.27	0.27	0.04	0.55	0.42	0.42
Sat Flow, veh/h	1767	1522	1711	1885	771	907
Grp Volume(v), veh/h	128	67	44	159	0	492
Grp Sat Flow(s),veh/h/ln	1767	1522	1711	1885	0	1677
Q Serve(g_s), s	4.1	2.4	1.0	3.0	0.0	17.5
Cycle Q Clear(g_c), s	4.1	2.4	1.0	3.0	0.0	17.5
Prop In Lane	1.00	1.00	1.00			0.54
Lane Grp Cap(c), veh/h	480	414	320	1038	0	698
V/C Ratio(X)	0.27	0.16	0.14	0.15	0.00	0.71
Avail Cap(c_a), veh/h	956	823	445	1521	0	1005
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	20.6	20.0	12.6	7.9	0.0	17.4
Incr Delay (d2), s/veh	0.3	0.2	0.2	0.1	0.0	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.9	1.5	0.6	1.9	0.0	10.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	20.9	20.2	12.8	8.0	0.0	18.7
LnGrp LOS	C	C	B	A	A	B
Approach Vol, veh/h	195			203	492	
Approach Delay, s/veh	20.7			9.1	18.7	
Approach LOS	C			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	9.7	36.8				46.5	25.6
Change Period (Y+Rc), s	6.8	6.8				6.8	6.0
Max Green Setting (Gmax), s	8.2	43.2				58.2	39.0
Max Q Clear Time (g_c+I1), s	3.0	19.5				5.0	6.1
Green Ext Time (p_c), s	0.0	3.5				1.0	0.6

Intersection Summary		
HCM 6th Ctrl Delay		16.9
HCM 6th LOS		B



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	52	837	746	103	140	53
Future Volume (veh/h)	52	837	746	103	140	53
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1856	1870	1870	1870	1870
Adj Flow Rate, veh/h	55	881	785	108	147	56
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	3	2	2	2	2
Cap, veh/h	492	2818	2260	311	173	154
Arrive On Green	0.06	1.00	0.72	0.72	0.10	0.10
Sat Flow, veh/h	1781	3618	3231	432	1781	1585
Grp Volume(v), veh/h	55	881	444	449	147	56
Grp Sat Flow(s),veh/h/ln	1781	1763	1777	1793	1781	1585
Q Serve(g_s), s	1.1	0.0	14.0	14.0	12.2	5.0
Cycle Q Clear(g_c), s	1.1	0.0	14.0	14.0	12.2	5.0
Prop In Lane	1.00			0.24	1.00	1.00
Lane Grp Cap(c), veh/h	492	2818	1280	1291	173	154
V/C Ratio(X)	0.11	0.31	0.35	0.35	0.85	0.36
Avail Cap(c_a), veh/h	564	2818	1280	1291	292	260
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.86	0.86	0.81	0.81
Uniform Delay (d), s/veh	5.1	0.0	7.8	7.8	66.6	63.4
Incr Delay (d2), s/veh	0.1	0.3	0.6	0.6	9.2	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.6	0.2	8.4	8.5	9.6	3.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	5.2	0.3	8.5	8.5	75.8	64.5
LnGrp LOS	A	A	A	A	E	E
Approach Vol, veh/h		936	893		203	
Approach Delay, s/veh		0.6	8.5		72.7	
Approach LOS		A	A		E	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	11.9	115.1			127.0	23.0
Change Period (Y+Rc), s	7.4	* 7.1			* 7.1	8.4
Max Green Setting (Gmax), s	10.6	* 92			* 1.1E2	24.6
Max Q Clear Time (g_c+I1), s	3.1	16.0			2.0	14.2
Green Ext Time (p_c), s	0.0	6.1			6.8	0.4

Intersection Summary	
HCM 6th Ctrl Delay	11.2
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	2.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	47	0	50	0	0	0	62	218	1	0	414	56
Future Vol, veh/h	47	0	50	0	0	0	62	218	1	0	414	56
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	-	-	-	300	-	-	-	-	200
Veh in Median Storage, #	-	1	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	51	0	54	0	0	0	67	237	1	0	450	61

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	822	822	450	880	883	238	511	0	0	238	0	0
Stage 1	450	450	-	372	372	-	-	-	-	-	-	-
Stage 2	372	372	-	508	511	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	293	309	609	268	285	801	1054	-	-	1329	-	-
Stage 1	589	572	-	648	619	-	-	-	-	-	-	-
Stage 2	648	619	-	547	537	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	279	289	609	232	267	801	1054	-	-	1329	-	-
Mov Cap-2 Maneuver	390	395	-	330	356	-	-	-	-	-	-	-
Stage 1	551	572	-	607	579	-	-	-	-	-	-	-
Stage 2	607	579	-	498	537	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	13.5	0	1.9	0
HCM LOS	B	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1054	-	-	390	609	-	1329	-	-
HCM Lane V/C Ratio	0.064	-	-	0.131	0.089	-	-	-	-
HCM Control Delay (s)	8.6	-	-	15.6	11.5	0	0	-	-
HCM Lane LOS	A	-	-	C	B	A	A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	0.4	0.3	-	0	-	-

HCM 6th Signalized Intersection Summary
4: SR 429 SB RAMP/SR 429 NB Ramp & SR 429 Connector Road

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	12	623	222	41	37	450	0	145	33	0	28
Future Volume (veh/h)	10	12	623	222	41	37	450	0	145	33	0	28
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1618	1693	1767	1826	1796	1870	1841	0	1870	1411	0	1500
Adj Flow Rate, veh/h	10	12	0	231	43	0	469	0	0	34	0	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	19	14	9	5	7	2	4	0	2	33	0	27
Cap, veh/h	39	429		287	1342		654	0		97	0	
Arrive On Green	0.03	0.25	0.00	0.17	0.39	0.00	0.19	0.00	0.00	0.07	0.00	0.00
Sat Flow, veh/h	1541	1693	2994	1739	3503	0	3401	469		1344	34	
Grp Volume(v), veh/h	10	12	0	231	43	0	469	23.9		34	28.2	
Grp Sat Flow(s),veh/h/ln	1541	1693	1497	1739	1706	0	1700	C		1344	C	
Q Serve(g_s), s	0.4	0.3	0.0	7.6	0.5	0.0	7.6			1.4		
Cycle Q Clear(g_c), s	0.4	0.3	0.0	7.6	0.5	0.0	7.6			1.4		
Prop In Lane	1.00		1.00	1.00		0.00	1.00			1.00		
Lane Grp Cap(c), veh/h	39	429		287	1342		654			97		
V/C Ratio(X)	0.25	0.03		0.80	0.03		0.72			0.35		
Avail Cap(c_a), veh/h	469	429		529	1342		2013			432		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00			1.00		
Uniform Delay (d), s/veh	28.3	16.6	0.0	23.8	11.0	0.0	22.4			26.1		
Incr Delay (d2), s/veh	3.3	0.0	0.0	5.2	0.0	0.0	1.5			2.1		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		
%ile BackOfQ(95%),veh/ln	0.3	0.2	0.0	5.8	0.3	0.0	5.3			0.9		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	31.6	16.6	0.0	29.0	11.0	0.0	23.9			28.2		
LnGrp LOS	C	B		C	B		C			C		
Approach Vol, veh/h		22	A		274	A						
Approach Delay, s/veh		23.4			26.2							
Approach LOS		C			C							

Timer - Assigned Phs	1	2	3		5	6	7					
Phs Duration (G+Y+Rc), s	8.5	33.3	10.3		16.8	25.0	17.4					
Change Period (Y+Rc), s	7.0	10.0	6.0		7.0	10.0	6.0					
Max Green Setting (Gmax), s	18.0	15.0	19.0		18.0	15.0	35.0					
Max Q Clear Time (g_c+I1), s	2.4	2.5	3.4		9.6	2.3	9.6					
Green Ext Time (p_c), s	0.0	0.1	0.0		0.4	0.0	1.7					

Intersection Summary	
HCM 6th Ctrl Delay	24.8
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	897	799	0	5	724	125	1	3	1	150	3	640
Future Volume (veh/h)	897	799	0	5	724	125	1	3	1	150	3	640
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1737	1856	1870	418	1870	1693	1159	418	1870	1870	1870	1811
Adj Flow Rate, veh/h	965	859	0	5	778	134	1	3	1	163	0	688
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	11	3	2	100	2	14	50	100	2	2	2	6
Cap, veh/h	984	2238	1006	2	1146	462	1	2	1	485	0	1359
Arrive On Green	0.51	1.00	0.00	0.01	0.32	0.32	0.01	0.01	0.01	0.14	0.00	0.14
Sat Flow, veh/h	3209	3526	1585	398	3554	1434	80	240	80	3563	0	3070
Grp Volume(v), veh/h	965	859	0	5	778	134	5	0	0	163	0	688
Grp Sat Flow(s),veh/h/ln	1605	1763	1585	398	1777	1434	400	0	0	1781	0	1535
Q Serve(g_s), s	44.2	0.0	0.0	0.9	28.5	10.5	0.9	0.0	0.0	6.2	0.0	20.4
Cycle Q Clear(g_c), s	44.2	0.0	0.0	0.9	28.5	10.5	0.9	0.0	0.0	6.2	0.0	20.4
Prop In Lane	1.00		1.00	1.00		1.00	0.20		0.20	1.00		1.00
Lane Grp Cap(c), veh/h	984	2238	1006	2	1146	462	3	0	0	485	0	1359
V/C Ratio(X)	0.98	0.38	0.00	2.00	0.68	0.29	2.00	0.00	0.00	0.34	0.00	0.51
Avail Cap(c_a), veh/h	984	2238	1006	26	1146	462	25	0	0	485	0	1359
HCM Platoon Ratio	1.67	1.67	1.67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.70	0.70	0.00	0.98	0.98	0.98	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	36.2	0.0	0.0	74.5	44.1	38.0	74.5	0.0	0.0	58.7	0.0	30.0
Incr Delay (d2), s/veh	19.4	0.4	0.0	660.1	3.2	1.5	659.5	0.0	0.0	0.4	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	22.2	0.2	0.0	1.0	18.6	6.9	1.0	0.0	0.0	5.1	0.0	14.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	55.6	0.4	0.0	734.7	47.3	39.5	734.1	0.0	0.0	59.1	0.0	30.3
LnGrp LOS	E	A	A	F	D	D	F	A	A	E	A	C
Approach Vol, veh/h		1824			917			5			851	
Approach Delay, s/veh		29.6			49.9			734.1			35.8	
Approach LOS		C			D			F			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.1	102.3		29.0	56.0	55.5		9.5
Change Period (Y+Rc), s	* 8.2	* 7.1		* 8.6	10.0	* 7.1		8.6
Max Green Setting (Gmax), s	* 9.8	* 78		* 20	46.0	* 40		9.4
Max Q Clear Time (g_c+I1), s	2.9	2.0		22.4	46.2	30.5		2.9
Green Ext Time (p_c), s	0.0	6.6		0.0	0.0	3.6		0.0

Intersection Summary	
HCM 6th Ctrl Delay	37.2
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	3

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	0	194	181	854	596	52
Future Vol, veh/h	0	194	181	854	596	52
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	250	-	-	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	211	197	928	648	57

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	-	324	705	0	-	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	5.34	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	0	573	542	-	-	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	-	573	542	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	14.9	2.7	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	542	-	573	-	-
HCM Lane V/C Ratio	0.363	-	0.368	-	-
HCM Control Delay (s)	15.4	-	14.9	-	-
HCM Lane LOS	C	-	B	-	-
HCM 95th %tile Q(veh)	1.6	-	1.7	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	1534	10	22	1261	69	17	3	22	123	9	15
Future Volume (veh/h)	46	1534	10	22	1261	69	17	3	22	123	9	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	47	1581	10	23	1300	71	18	3	23	127	9	15
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	355	2512	16	231	2480	1106	101	27	103	190	10	17
Arrive On Green	0.03	0.69	0.69	0.03	0.93	0.93	0.12	0.12	0.12	0.12	0.12	0.12
Sat Flow, veh/h	1781	3620	23	1781	3554	1585	580	231	888	1261	89	149
Grp Volume(v), veh/h	47	776	815	23	1300	71	44	0	0	151	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1866	1781	1777	1585	1699	0	0	1499	0	0
Q Serve(g_s), s	1.1	35.6	35.6	0.6	7.7	0.5	0.0	0.0	0.0	11.2	0.0	0.0
Cycle Q Clear(g_c), s	1.1	35.6	35.6	0.6	7.7	0.5	3.5	0.0	0.0	14.7	0.0	0.0
Prop In Lane	1.00		0.01	1.00		1.00	0.41		0.52	0.84		0.10
Lane Grp Cap(c), veh/h	355	1233	1295	231	2480	1106	230	0	0	217	0	0
V/C Ratio(X)	0.13	0.63	0.63	0.10	0.52	0.06	0.19	0.00	0.00	0.69	0.00	0.00
Avail Cap(c_a), veh/h	566	1233	1295	435	2480	1106	406	0	0	374	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.80	0.80	0.80	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	6.1	12.5	12.5	10.7	1.9	1.6	60.2	0.0	0.0	64.8	0.0	0.0
Incr Delay (d2), s/veh	0.2	2.4	2.3	0.1	0.6	0.1	0.4	0.0	0.0	3.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.7	19.6	20.4	0.4	3.2	0.3	2.8	0.0	0.0	9.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.3	14.9	14.8	10.8	2.5	1.7	60.6	0.0	0.0	68.8	0.0	0.0
LnGrp LOS	A	B	B	B	A	A	E	A	A	E	A	A
Approach Vol, veh/h		1638			1394			44			151	
Approach Delay, s/veh		14.6			2.6			60.6			68.8	
Approach LOS		B			A			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.2	112.3		25.5	12.8	111.7		25.5
Change Period (Y+Rc), s	* 7.9	* 7.6		* 8.2	9.7	7.6		8.2
Max Green Setting (Gmax), s	* 23	* 71		* 35	20.3	70.4		33.8
Max Q Clear Time (g_c+I1), s	3.1	9.7		5.5	2.6	37.6		16.7
Green Ext Time (p_c), s	0.1	12.9		0.2	0.0	13.7		0.6

Intersection Summary		
HCM 6th Ctrl Delay		12.6
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	779	202	70	678	0	102	0	28	1	0	2
Future Volume (veh/h)	1	779	202	70	678	0	102	0	28	1	0	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	1	811	210	73	706	0	106	0	29	1	0	2
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	565	2477	1105	490	2763	0	166	0	34	78	14	121
Arrive On Green	1.00	1.00	1.00	0.06	1.00	0.00	0.11	0.00	0.11	0.11	0.00	0.11
Sat Flow, veh/h	742	3554	1585	1781	3647	0	1141	0	312	427	133	1119
Grp Volume(v), veh/h	1	811	210	73	706	0	135	0	0	3	0	0
Grp Sat Flow(s),veh/h/ln	742	1777	1585	1781	1777	0	1454	0	0	1679	0	0
Q Serve(g_s), s	0.0	0.0	0.0	1.7	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	1.7	0.0	0.0	13.7	0.0	0.0	0.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.79		0.21	0.33		0.67
Lane Grp Cap(c), veh/h	565	2477	1105	490	2763	0	200	0	0	213	0	0
V/C Ratio(X)	0.00	0.33	0.19	0.15	0.26	0.00	0.68	0.00	0.00	0.01	0.00	0.00
Avail Cap(c_a), veh/h	565	2477	1105	584	2763	0	338	0	0	366	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.95	0.95	0.95	0.94	0.94	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	5.0	0.0	0.0	65.8	0.0	0.0	59.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.3	0.4	0.1	0.2	0.0	4.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	0.2	0.2	1.0	0.1	0.0	9.1	0.0	0.0	0.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.3	0.4	5.2	0.2	0.0	69.8	0.0	0.0	59.8	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	E	A	A	E	A	A
Approach Vol, veh/h		1022			779			135			3	
Approach Delay, s/veh		0.3			0.7			69.8			59.8	
Approach LOS		A			A			E			E	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		124.3		25.7	12.1	112.3		25.7				
Change Period (Y+Rc), s		* 7.7		9.5	7.3	* 7.7		* 9.5				
Max Green Setting (Gmax), s		* 1E2		30.5	12.7	* 82		* 31				
Max Q Clear Time (g_c+I1), s		2.0		15.7	3.7	2.0		2.2				
Green Ext Time (p_c), s		5.1		0.5	0.1	7.0		0.0				

Intersection Summary		
HCM 6th Ctrl Delay		5.4
HCM 6th LOS		A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th Signalized Intersection Summary
10: Boy Scout Blvd & US 441



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	802	29	68	1088	80	46	36	114	62	25	9
Future Volume (veh/h)	18	802	29	68	1088	80	46	36	114	62	25	9
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	853	31	72	1157	85	49	38	121	66	27	10
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	392	2708	98	541	2864	210	88	71	179	162	62	20
Arrive On Green	0.77	0.77	0.77	0.03	0.85	0.85	0.19	0.19	0.19	0.19	0.19	0.19
Sat Flow, veh/h	448	3497	127	1781	3357	246	310	374	951	648	331	105
Grp Volume(v), veh/h	19	433	451	72	612	630	208	0	0	103	0	0
Grp Sat Flow(s),veh/h/ln	448	1777	1847	1781	1777	1826	1634	0	0	1083	0	0
Q Serve(g_s), s	1.5	10.9	10.9	1.1	11.6	11.6	1.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.5	10.9	10.9	1.1	11.6	11.6	17.3	0.0	0.0	15.8	0.0	0.0
Prop In Lane	1.00		0.07	1.00		0.13	0.24		0.58	0.64		0.10
Lane Grp Cap(c), veh/h	392	1376	1431	541	1516	1558	338	0	0	244	0	0
V/C Ratio(X)	0.05	0.31	0.32	0.13	0.40	0.40	0.62	0.00	0.00	0.42	0.00	0.00
Avail Cap(c_a), veh/h	392	1376	1431	614	1516	1558	338	0	0	244	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.93	0.93	0.93	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	4.2	5.1	5.1	3.3	2.5	2.5	56.3	0.0	0.0	55.2	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.6	0.5	0.1	0.8	0.8	8.1	0.0	0.0	5.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.3	6.4	6.7	0.6	4.9	5.1	12.8	0.0	0.0	7.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.4	5.6	5.6	3.4	3.3	3.2	64.5	0.0	0.0	60.5	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	E	A	A	E	A	A
Approach Vol, veh/h		903			1314			208			103	
Approach Delay, s/veh		5.6			3.3			64.5			60.5	
Approach LOS		A			A			E			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	11.9	123.8		35.3		135.7		35.3				
Change Period (Y+Rc), s	* 7.1	* 7.1		7.0		* 7.1		* 7				
Max Green Setting (Gmax), s	* 11	* 90		28.0		* 1.1E2		* 28				
Max Q Clear Time (g_c+I1), s	13.6	12.9		17.8		13.6		19.3				
Green Ext Time (p_c), s	0.1	6.3		0.3		10.2		0.8				

Intersection Summary	
HCM 6th Ctrl Delay	11.5
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	58	40	166	102	116	9	242	78	90	421	40
Future Volume (veh/h)	31	58	40	166	102	116	9	242	78	90	421	40
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	35	66	45	189	116	132	10	275	89	102	478	45
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	329	192	131	453	166	189	196	359	116	327	558	53
Arrive On Green	0.09	0.19	0.19	0.11	0.21	0.21	0.03	0.27	0.27	0.09	0.33	0.33
Sat Flow, veh/h	1781	1036	707	1781	798	908	1781	1353	438	1781	1683	158
Grp Volume(v), veh/h	35	0	111	189	0	248	10	0	364	102	0	523
Grp Sat Flow(s),veh/h/ln	1781	0	1743	1781	0	1707	1781	0	1792	1781	0	1842
Q Serve(g_s), s	1.2	0.0	4.5	6.8	0.0	10.9	0.3	0.0	15.2	3.2	0.0	21.4
Cycle Q Clear(g_c), s	1.2	0.0	4.5	6.8	0.0	10.9	0.3	0.0	15.2	3.2	0.0	21.4
Prop In Lane	1.00		0.41	1.00		0.53	1.00		0.24	1.00		0.09
Lane Grp Cap(c), veh/h	329	0	323	453	0	356	196	0	475	327	0	611
V/C Ratio(X)	0.11	0.00	0.34	0.42	0.00	0.70	0.05	0.00	0.77	0.31	0.00	0.86
Avail Cap(c_a), veh/h	573	0	485	656	0	489	438	0	1178	450	0	1220
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	22.3	0.0	28.7	22.6	0.0	29.6	22.0	0.0	27.4	19.4	0.0	25.2
Incr Delay (d2), s/veh	0.1	0.0	0.6	0.6	0.0	2.6	0.1	0.0	2.6	0.5	0.0	3.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.8	0.0	3.2	4.8	0.0	7.8	0.2	0.0	10.5	2.3	0.0	14.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.5	0.0	29.3	23.2	0.0	32.2	22.1	0.0	30.0	19.9	0.0	28.8
LnGrp LOS	C	A	C	C	A	C	C	A	C	B	A	C
Approach Vol, veh/h		146			437			374			625	
Approach Delay, s/veh		27.7			28.3			29.8			27.4	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.4	28.3	15.8	22.5	9.0	33.6	13.9	24.4
Change Period (Y+Rc), s	* 7.2	6.8	6.8	7.5	6.8	* 6.8	6.8	* 7.5
Max Green Setting (Gmax), s	* 13	53.2	18.2	22.5	13.2	* 54	18.2	* 23
Max Q Clear Time (g_c+I1), s	15.2	17.2	8.8	6.5	2.3	23.4	3.2	12.9
Green Ext Time (p_c), s	0.1	2.3	0.3	0.4	0.0	3.4	0.0	0.9

Intersection Summary	
HCM 6th Ctrl Delay	28.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

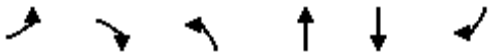
Intersection	
Int Delay, s/veh	1.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	131	15	18	139	13	17
Future Vol, veh/h	131	15	18	139	13	17
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Yield
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	136	16	19	145	14	18

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	152	0	327	144
Stage 1	-	-	-	-	144	-
Stage 2	-	-	-	-	183	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1429	-	667	903
Stage 1	-	-	-	-	883	-
Stage 2	-	-	-	-	848	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1429	-	658	903
Mov Cap-2 Maneuver	-	-	-	-	658	-
Stage 1	-	-	-	-	883	-
Stage 2	-	-	-	-	836	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	9.8
HCM LOS			A

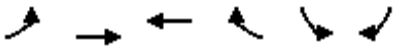
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	778	-	-	1429	-
HCM Lane V/C Ratio	0.04	-	-	0.013	-
HCM Control Delay (s)	9.8	-	-	7.6	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0.1	-	-	0	-



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	282	60	43	377	263	116
Future Volume (veh/h)	282	60	43	377	263	116
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1856	1796	1796	1885	1841	1826
Adj Flow Rate, veh/h	294	62	45	393	274	121
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	3	7	7	1	4	5
Cap, veh/h	487	419	399	1033	500	221
Arrive On Green	0.28	0.28	0.04	0.55	0.41	0.41
Sat Flow, veh/h	1767	1522	1711	1885	1210	534
Grp Volume(v), veh/h	294	62	45	393	0	395
Grp Sat Flow(s),veh/h/ln	1767	1522	1711	1885	0	1745
Q Serve(g_s), s	10.5	2.2	1.0	8.6	0.0	12.5
Cycle Q Clear(g_c), s	10.5	2.2	1.0	8.6	0.0	12.5
Prop In Lane	1.00	1.00	1.00			0.31
Lane Grp Cap(c), veh/h	487	419	399	1033	0	721
V/C Ratio(X)	0.60	0.15	0.11	0.38	0.00	0.55
Avail Cap(c_a), veh/h	950	818	522	1512	0	1039
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	22.9	19.9	11.5	9.4	0.0	16.1
Incr Delay (d2), s/veh	1.2	0.2	0.1	0.2	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	7.6	1.4	0.6	5.7	0.0	8.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	24.1	20.0	11.6	9.6	0.0	16.8
LnGrp LOS	C	C	B	A	A	B
Approach Vol, veh/h	356			438	395	
Approach Delay, s/veh	23.4			9.8	16.8	
Approach LOS	C			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	9.8	36.8				46.6	26.0
Change Period (Y+Rc), s	6.8	6.8				6.8	6.0
Max Green Setting (Gmax), s	8.2	43.2				58.2	39.0
Max Q Clear Time (g_c+I1), s	3.0	14.5				10.6	12.5
Green Ext Time (p_c), s	0.0	2.7				2.7	1.1

Intersection Summary			
HCM 6th Ctrl Delay		16.2	
HCM 6th LOS		B	



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	93	830	1009	217	169	45
Future Volume (veh/h)	93	830	1009	217	169	45
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1870	1856	1870	1870	1870	1870
Adj Flow Rate, veh/h	103	922	1121	241	188	50
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	3	2	2	2	2
Cap, veh/h	309	2767	2061	440	211	188
Arrive On Green	0.06	1.00	0.71	0.71	0.12	0.12
Sat Flow, veh/h	1781	3618	3006	623	1781	1585
Grp Volume(v), veh/h	103	922	681	681	188	50
Grp Sat Flow(s),veh/h/ln	1781	1763	1777	1758	1781	1585
Q Serve(g_s), s	2.5	0.0	29.1	29.6	16.6	4.6
Cycle Q Clear(g_c), s	2.5	0.0	29.1	29.6	16.6	4.6
Prop In Lane	1.00			0.35	1.00	1.00
Lane Grp Cap(c), veh/h	309	2767	1257	1244	211	188
V/C Ratio(X)	0.33	0.33	0.54	0.55	0.89	0.27
Avail Cap(c_a), veh/h	394	2767	1257	1244	263	234
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.85	0.85	0.81	0.81	0.88	0.88
Uniform Delay (d), s/veh	9.1	0.0	11.1	11.2	69.5	64.2
Incr Delay (d2), s/veh	0.5	0.3	1.4	1.4	23.2	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.5	0.2	15.8	15.8	13.6	3.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	9.7	0.3	12.5	12.6	92.7	64.9
LnGrp LOS	A	A	B	B	F	E
Approach Vol, veh/h		1025	1362		238	
Approach Delay, s/veh		1.2	12.5		86.8	
Approach LOS		A	B		F	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	12.3	120.3			132.7	27.3
Change Period (Y+Rc), s	7.4	* 7.1			* 7.1	8.4
Max Green Setting (Gmax), s	12.6	* 1E2			* 1.2E2	23.6
Max Q Clear Time (g_c+I1), s	4.5	31.6			2.0	18.6
Green Ext Time (p_c), s	0.1	12.3			7.3	0.3

Intersection Summary	
HCM 6th Ctrl Delay	14.8
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	3.9

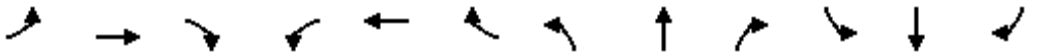
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	102	0	105	0	0	0	103	556	1	0	276	97
Future Vol, veh/h	102	0	105	0	0	0	103	556	1	0	276	97
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	200	-	-	-	-	-	300	-	-	-	-	185
Veh in Median Storage, #	-	1	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	111	0	114	0	0	0	112	604	1	0	300	105

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1129	1129	300	1239	1234	605	405	0	0	605	0	0
Stage 1	300	300	-	829	829	-	-	-	-	-	-	-
Stage 2	829	829	-	410	405	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	181	204	740	152	177	498	1154	-	-	973	-	-
Stage 1	709	666	-	365	385	-	-	-	-	-	-	-
Stage 2	365	385	-	619	598	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	168	184	740	119	160	498	1154	-	-	973	-	-
Mov Cap-2 Maneuver	263	280	-	221	255	-	-	-	-	-	-	-
Stage 1	640	666	-	330	348	-	-	-	-	-	-	-
Stage 2	330	348	-	524	598	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	19.4	0	1.3	0
HCM LOS	C	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1154	-	-	263	740	-	973	-	-
HCM Lane V/C Ratio	0.097	-	-	0.422	0.154	-	-	-	-
HCM Control Delay (s)	8.5	-	-	28.3	10.8	0	0	-	-
HCM Lane LOS	A	-	-	D	B	A	A	-	-
HCM 95th %tile Q(veh)	0.3	-	-	2	0.5	-	0	-	-

HCM 6th Signalized Intersection Summary
4: SR 429 SB RAMP/SR 429 NB Ramp & SR 429 Connector Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	23	449	131	17	29	769	0	289	41	0	25
Future Volume (veh/h)	24	23	449	131	17	29	769	0	289	41	0	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1618	1693	1767	1826	1796	1870	1841	0	1870	1411	0	1500
Adj Flow Rate, veh/h	25	24	0	138	18	0	809	0	0	43	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	19	14	9	5	7	2	4	0	2	33	0	27
Cap, veh/h	86	379		240	1044		1005	0		110	0	
Arrive On Green	0.06	0.22	0.00	0.14	0.31	0.00	0.30	0.00	0.00	0.08	0.00	0.00
Sat Flow, veh/h	1541	1693	2994	1739	3503	0	3401	809		1344	43	
Grp Volume(v), veh/h	25	24	0	138	18	0	809	23.4		43	31.4	
Grp Sat Flow(s),veh/h/ln	1541	1693	1497	1739	1706	0	1700	C		1344	C	
Q Serve(g_s), s	1.0	0.7	0.0	5.0	0.2	0.0	14.7			2.0		
Cycle Q Clear(g_c), s	1.0	0.7	0.0	5.0	0.2	0.0	14.7			2.0		
Prop In Lane	1.00		1.00	1.00		0.00	1.00			1.00		
Lane Grp Cap(c), veh/h	86	379		240	1044		1005			110		
V/C Ratio(X)	0.29	0.06		0.58	0.02		0.81			0.39		
Avail Cap(c_a), veh/h	414	379		467	1044		1775			381		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00			1.00		
Uniform Delay (d), s/veh	30.4	20.5	0.0	27.1	16.2	0.0	21.8			29.2		
Incr Delay (d2), s/veh	1.9	0.1	0.0	2.2	0.0	0.0	1.6			2.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		
%ile BackOfQ(95%),veh/ln	0.7	0.5	0.0	3.8	0.2	0.0	9.6			1.3		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.3	20.6	0.0	29.3	16.2	0.0	23.4			31.4		
LnGrp LOS	C	C		C	B		C			C		
Approach Vol, veh/h		49	A		156	A						
Approach Delay, s/veh		26.5			27.8							
Approach LOS		C			C							

Timer - Assigned Phs	1	2	3		5	6	7					
Phs Duration (G+Y+Rc), s	10.7	30.5	11.5		16.2	25.0	25.8					
Change Period (Y+Rc), s	7.0	10.0	6.0		7.0	10.0	6.0					
Max Green Setting (Gmax), s	18.0	15.0	19.0		18.0	15.0	35.0					
Max Q Clear Time (g_c+I1), s	3.0	2.2	4.0		7.0	2.7	16.7					
Green Ext Time (p_c), s	0.0	0.0	0.1		0.2	0.0	3.1					

Intersection Summary	
HCM 6th Ctrl Delay	24.5
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	499	777	0	1	1088	189	2	2	2	214	2	710
Future Volume (veh/h)	499	777	0	1	1088	189	2	2	2	214	2	710
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1737	1856	1870	418	1870	1693	1159	418	1870	1870	1870	1811
Adj Flow Rate, veh/h	537	835	0	1	1170	203	2	2	2	231	0	763
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	11	3	2	100	2	14	50	100	2	2	2	6
Cap, veh/h	562	2241	1008	1	1602	647	1	1	1	543	0	1005
Arrive On Green	0.35	1.00	0.00	0.00	0.90	0.90	0.01	0.01	0.01	0.15	0.00	0.15
Sat Flow, veh/h	3209	3526	1585	398	3554	1434	129	129	129	3563	0	3070
Grp Volume(v), veh/h	537	835	0	1	1170	203	6	0	0	231	0	763
Grp Sat Flow(s),veh/h/ln	1605	1763	1585	398	1777	1434	388	0	0	1781	0	1535
Q Serve(g_s), s	26.2	0.0	0.0	0.2	15.2	3.1	1.2	0.0	0.0	9.4	0.0	24.4
Cycle Q Clear(g_c), s	26.2	0.0	0.0	0.2	15.2	3.1	1.2	0.0	0.0	9.4	0.0	24.4
Prop In Lane	1.00		1.00	1.00		1.00	0.33		0.33	1.00		1.00
Lane Grp Cap(c), veh/h	562	2241	1008	1	1602	647	3	0	0	543	0	1005
V/C Ratio(X)	0.96	0.37	0.00	1.85	0.73	0.31	2.11	0.00	0.00	0.43	0.00	0.76
Avail Cap(c_a), veh/h	562	2241	1008	24	1602	647	23	0	0	543	0	1005
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.66	0.66	0.00	0.82	0.82	0.82	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	51.4	0.0	0.0	79.8	5.1	4.5	79.4	0.0	0.0	61.4	0.0	48.1
Incr Delay (d2), s/veh	20.9	0.3	0.0	917.0	2.4	1.0	689.5	0.0	0.0	0.5	0.0	3.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	14.7	0.2	0.0	0.3	5.2	1.7	1.2	0.0	0.0	7.7	0.0	20.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.3	0.3	0.0	996.7	7.5	5.5	769.0	0.0	0.0	62.0	0.0	51.5
LnGrp LOS	E	A	A	F	A	A	F	A	A	E	A	D
Approach Vol, veh/h		1372			1374			6			994	
Approach Delay, s/veh		28.5			7.9			769.0			54.0	
Approach LOS		C			A			F			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.4	108.8		33.0	38.0	79.2		9.8
Change Period (Y+Rc), s	* 8.2	* 7.1		* 8.6	10.0	* 7.1		8.6
Max Green Setting (Gmax), s	* 9.8	* 84		* 24	28.0	* 64		9.4
Max Q Clear Time (g_c+I1), s	2.2	2.0		26.4	28.2	17.2		3.2
Green Ext Time (p_c), s	0.0	6.3		0.0	0.0	11.3		0.0

Intersection Summary	
HCM 6th Ctrl Delay	28.9
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	9.8

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	0	424	301	389	502	104
Future Vol, veh/h	0	424	301	389	502	104
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	250	-	-	250
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	461	327	423	546	113

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	-	273	659	0	-	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	5.34	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	0	618	570	-	-	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	-	618	570	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	25.9	8.5	0
HCM LOS	D		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	570	-	618	-	-
HCM Lane V/C Ratio	0.574	-	0.746	-	-
HCM Control Delay (s)	19.5	-	25.9	-	-
HCM Lane LOS	C	-	D	-	-
HCM 95th %tile Q(veh)	3.6	-	6.6	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	1710	15	35	2285	110	55	16	43	54	11	15
Future Volume (veh/h)	13	1710	15	35	2285	110	55	16	43	54	11	15
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	13	1763	15	36	2356	113	57	16	44	56	11	15
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	104	2624	22	214	2663	1188	96	25	53	110	23	21
Arrive On Green	0.01	0.73	0.73	0.02	0.75	0.75	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1781	3611	31	1781	3554	1585	703	277	591	809	255	238
Grp Volume(v), veh/h	13	867	911	36	2356	113	117	0	0	82	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1865	1781	1777	1585	1571	0	0	1302	0	0
Q Serve(g_s), s	0.3	41.6	41.8	0.8	78.9	3.1	1.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.3	41.6	41.8	0.8	78.9	3.1	11.6	0.0	0.0	10.0	0.0	0.0
Prop In Lane	1.00		0.02	1.00		1.00	0.49		0.38	0.68		0.18
Lane Grp Cap(c), veh/h	104	1291	1355	214	2663	1188	173	0	0	154	0	0
V/C Ratio(X)	0.12	0.67	0.67	0.17	0.88	0.10	0.68	0.00	0.00	0.53	0.00	0.00
Avail Cap(c_a), veh/h	326	1291	1355	396	2663	1188	462	0	0	419	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.68	0.68	0.68	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	25.0	11.7	11.7	11.3	14.9	5.4	71.6	0.0	0.0	70.8	0.0	0.0
Incr Delay (d2), s/veh	0.5	2.8	2.7	0.2	3.3	0.1	4.5	0.0	0.0	2.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.5	22.0	23.0	0.6	35.0	1.7	8.5	0.0	0.0	6.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.6	14.5	14.4	11.6	18.2	5.5	76.2	0.0	0.0	73.6	0.0	0.0
LnGrp LOS	C	B	B	B	B	A	E	A	A	E	A	A
Approach Vol, veh/h		1791			2505			117			82	
Approach Delay, s/veh		14.5			17.6			76.2			73.6	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.1	127.5		22.4	13.7	123.9		22.4
Change Period (Y+Rc), s	* 7.9	* 7.6		* 8.2	9.7	7.6		8.2
Max Green Setting (Gmax), s	* 23	* 71		* 45	20.3	70.4		43.8
Max Q Clear Time (g_c+I1), s	2.3	80.9		13.6	2.8	43.8		12.0
Green Ext Time (p_c), s	0.0	0.0		0.6	0.0	14.8		0.4

Intersection Summary	
HCM 6th Ctrl Delay	18.9
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	990	148	43	1176	0	228	0	60	0	0	0
Future Volume (veh/h)	2	990	148	43	1176	0	228	0	60	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	2	1125	168	49	1336	0	259	0	68	0	0	0
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	247	2167	967	355	2428	0	281	0	63	0	392	0
Arrive On Green	1.00	1.00	1.00	0.03	0.68	0.00	0.21	0.00	0.21	0.00	0.00	0.00
Sat Flow, veh/h	410	3554	1585	1781	3647	0	1148	0	301	0	1870	0
Grp Volume(v), veh/h	2	1125	168	49	1336	0	327	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	410	1777	1585	1781	1777	0	1449	0	0	0	1870	0
Q Serve(g_s), s	0.2	0.0	0.0	1.6	30.5	0.0	33.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	19.0	0.0	0.0	1.6	30.5	0.0	33.5	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.79		0.21	0.00		0.00
Lane Grp Cap(c), veh/h	247	2167	967	355	2428	0	344	0	0	0	392	0
V/C Ratio(X)	0.01	0.52	0.17	0.14	0.55	0.00	0.95	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	247	2167	967	424	2428	0	344	0	0	0	402	0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.95	0.95	0.95	0.80	0.80	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	1.8	0.0	0.0	10.1	12.9	0.0	64.5	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.8	0.4	0.1	0.7	0.0	35.8	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.0	0.5	0.2	1.1	16.5	0.0	23.7	0.0	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1.9	0.8	0.4	10.2	13.6	0.0	100.3	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	A	A	A	B	B	A	F	A	A	A	A	A
Approach Vol, veh/h		1295			1385			327			0	
Approach Delay, s/veh		0.8			13.5			100.3			0.0	
Approach LOS		A			B			F				

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		117.0		43.0	11.7	105.3		43.0				
Change Period (Y+Rc), s		* 7.7		9.5	7.3	* 7.7		* 9.5				
Max Green Setting (Gmax), s		* 1.1E2		33.5	10.7	* 91		* 34				
Max Q Clear Time (g_c+I1), s		32.5		35.5	3.6	21.0		0.0				
Green Ext Time (p_c), s		13.3		0.0	0.0	10.8		0.0				

Intersection Summary		
HCM 6th Ctrl Delay		17.5
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	18	875	34	69	1145	81	51	37	116	63	26	9
Future Volume (veh/h)	18	875	34	69	1145	81	51	37	116	63	26	9
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	931	36	73	1218	86	54	39	123	67	28	10
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	323	2487	96	448	2652	187	114	89	231	216	87	28
Arrive On Green	0.71	0.71	0.71	0.03	0.79	0.79	0.25	0.25	0.25	0.25	0.25	0.25
Sat Flow, veh/h	422	3488	135	1781	3367	237	340	354	918	713	345	111
Grp Volume(v), veh/h	19	474	493	73	642	662	216	0	0	105	0	0
Grp Sat Flow(s),veh/h/ln	422	1777	1846	1781	1777	1828	1612	0	0	1168	0	0
Q Serve(g_s), s	2.6	16.7	16.7	1.7	19.2	19.3	2.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	11.3	16.7	16.7	1.7	19.2	19.3	17.8	0.0	0.0	15.7	0.0	0.0
Prop In Lane	1.00		0.07	1.00		0.13	0.25		0.57	0.64		0.10
Lane Grp Cap(c), veh/h	323	1267	1316	448	1399	1439	434	0	0	331	0	0
V/C Ratio(X)	0.06	0.37	0.37	0.16	0.46	0.46	0.50	0.00	0.00	0.32	0.00	0.00
Avail Cap(c_a), veh/h	323	1267	1316	527	1399	1439	434	0	0	331	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.91	0.91	0.91	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	9.8	9.0	9.0	6.4	5.7	5.7	51.4	0.0	0.0	50.1	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.8	0.7	0.2	1.1	1.1	4.0	0.0	0.0	2.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.5	10.1	10.4	1.0	10.5	10.7	12.7	0.0	0.0	6.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	10.1	9.8	9.7	6.5	6.7	6.7	55.4	0.0	0.0	52.6	0.0	0.0
LnGrp LOS	B	A	A	A	A	A	E	A	A	D	A	A
Approach Vol, veh/h		986			1377			216			105	
Approach Delay, s/veh		9.7			6.7			55.4			52.6	
Approach LOS		A			A			E			D	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	11.9	121.8		47.3		133.7		47.3				
Change Period (Y+Rc), s	* 7.1	* 7.1		7.0		* 7.1		* 7				
Max Green Setting (Gmax), s	* 13	* 87		40.0		* 1.1E2		* 40				
Max Q Clear Time (g_c+I1), s	13.7	18.7		17.7		21.3		19.8				
Green Ext Time (p_c), s	0.1	7.2		0.5		11.2		1.2				

Intersection Summary	
HCM 6th Ctrl Delay	13.5
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	101	32	89	107	108	43	466	154	131	344	47
Future Volume (veh/h)	40	101	32	89	107	108	43	466	154	131	344	47
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	43	107	34	95	114	115	46	496	164	139	366	50
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	259	251	80	321	133	134	434	544	180	249	655	89
Arrive On Green	0.09	0.18	0.18	0.06	0.16	0.16	0.08	0.40	0.40	0.08	0.41	0.41
Sat Flow, veh/h	1781	1360	432	1781	854	861	1781	1345	445	1781	1611	220
Grp Volume(v), veh/h	43	0	141	95	0	229	46	0	660	139	0	416
Grp Sat Flow(s),veh/h/ln	1781	0	1793	1781	0	1715	1781	0	1790	1781	0	1831
Q Serve(g_s), s	1.9	0.0	7.2	4.6	0.0	13.4	1.4	0.0	35.9	4.5	0.0	18.0
Cycle Q Clear(g_c), s	1.9	0.0	7.2	4.6	0.0	13.4	1.4	0.0	35.9	4.5	0.0	18.0
Prop In Lane	1.00		0.24	1.00		0.50	1.00		0.25	1.00		0.12
Lane Grp Cap(c), veh/h	259	0	331	321	0	268	434	0	724	249	0	744
V/C Ratio(X)	0.17	0.00	0.43	0.30	0.00	0.86	0.11	0.00	0.91	0.56	0.00	0.56
Avail Cap(c_a), veh/h	414	0	391	527	0	386	523	0	923	335	0	951
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	31.0	0.0	37.2	33.5	0.0	42.4	15.8	0.0	29.0	22.6	0.0	23.5
Incr Delay (d2), s/veh	0.3	0.0	0.9	0.5	0.0	12.2	0.1	0.0	11.1	1.9	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.5	0.0	5.6	3.5	0.0	10.5	1.0	0.0	23.3	3.4	0.0	12.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	31.3	0.0	38.1	34.1	0.0	54.6	15.9	0.0	40.1	24.6	0.0	24.2
LnGrp LOS	C	A	D	C	A	D	B	A	D	C	A	C
Approach Vol, veh/h		184			324			706			555	
Approach Delay, s/veh		36.5			48.6			38.5			24.3	
Approach LOS		D			D			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.1	48.5	13.1	26.6	14.9	48.7	16.0	23.6
Change Period (Y+Rc), s	* 7.2	6.8	6.8	7.5	6.8	* 6.8	6.8	* 7.5
Max Green Setting (Gmax), s	* 13	53.2	18.2	22.5	13.2	* 54	18.2	* 23
Max Q Clear Time (g_c+I1), s	6.5	37.9	6.6	9.2	3.4	20.0	3.9	15.4
Green Ext Time (p_c), s	0.2	3.9	0.1	0.5	0.0	2.6	0.1	0.7

Intersection Summary	
HCM 6th Ctrl Delay	35.7
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	148	24	26	173	25	28
Future Vol, veh/h	148	24	26	173	25	28
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Yield
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	154	25	27	180	26	29

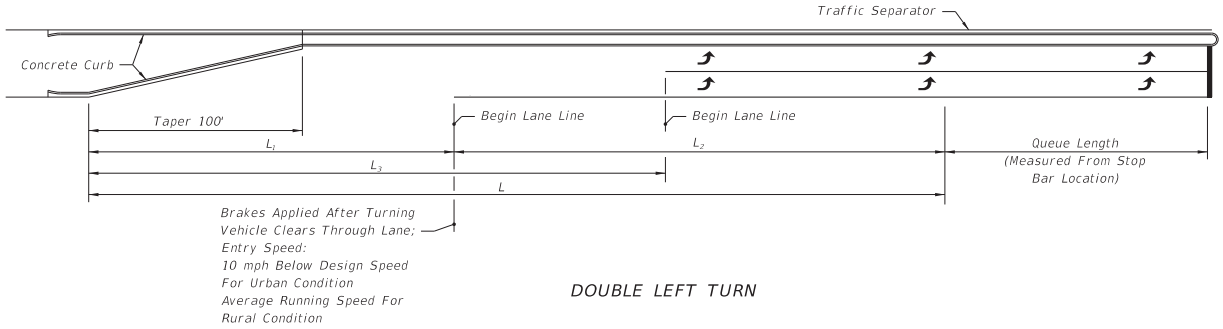
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	179	0	401	167
Stage 1	-	-	-	-	167	-
Stage 2	-	-	-	-	234	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1397	-	605	877
Stage 1	-	-	-	-	863	-
Stage 2	-	-	-	-	805	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1397	-	592	877
Mov Cap-2 Maneuver	-	-	-	-	592	-
Stage 1	-	-	-	-	863	-
Stage 2	-	-	-	-	788	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1	10.5
HCM LOS			B

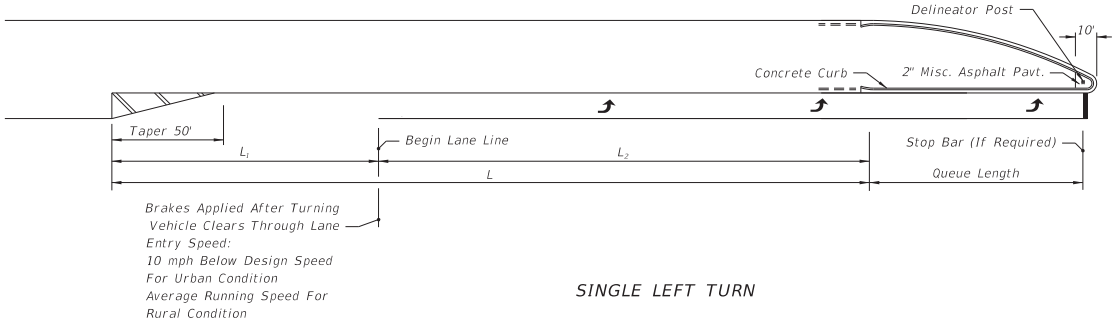
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	715	-	-	1397	-
HCM Lane V/C Ratio	0.077	-	-	0.019	-
HCM Control Delay (s)	10.5	-	-	7.6	0
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.2	-	-	0.1	-

Appendix I
FDM Exhibit 212-1

MEDIAN TURN LANES
MINIMUM DECELERATION LENGTHS



DOUBLE LEFT TURN



SINGLE LEFT TURN

MEDIAN TURN LANES								
			URBAN CONDITIONS			RURAL CONDITIONS		
Design Speed (mph)	Entry Speed (mph)	Clearance Distance L_1 (ft.)	Brake To Stop Distance L_2 (ft.)	Total Decel. Distance L (ft.)	Clearance Distance L_3 (ft.)	Brake To Stop Distance L_2 (ft.)	Total Decel. Distance L (ft.)	Clearance Distance L_3 (ft.)
35	25	70	75	145	110	——	——	——
40	30	80	75	155	120	——	——	——
45	35	85	100	185	135	——	——	——
50	40/44	105	135	240	160	185	290	160
55	48	125	——	——	——	225	350	195
60	52	145	——	——	——	260	405	230
65	55	170	——	——	——	290	460	270

NOT TO SCALE

EXHIBIT 212-1
01/01/2018

Bio-Tech Consulting Inc.
Environmental and Permitting Services

April 8, 2022

James Holloway
Floridian Apopka Phase I Owner, LLC
60 14th Street South, Suite 108
Birmingham, Alabama 35233

Proj: Collier - Apopka Site – Apopka, Orange County, Florida
Parcel ID(s) #36-20-27-0000-00-047, #36-20-27-0000-00-048, #36-20-27-0000-00-052, #36-20-27-0000-00-066, #36-20-27-0000-00-068, #36-20-27-0000-00-074, #36-20-27-0000-00-075, #36-20-27-0000-00-083, #36-20-27-0000-00-085, #36-20-27-0000-00-093, #06-21-28-7172-16-020, #06-21-28-7172-16-030, #06-21-28-7172-16-040, #06-21-28-7172-16-050, #06-21-28-7172-16-051, #06-21-28-7172-16-060, and #06-21-28-7172-16-070
Re: Phase I Environmental Site Assessment Report

Dear Mr. Holloway:

Per your request and authorization, Bio-Tech Consulting, Inc. (BTC) has completed a Phase I Environmental Site Assessment (ESA) of the above referenced site located in Apopka, Orange County, Florida. The work was performed in general accordance with the ASTM International's Standard Practice E 1527-13 for Phase I ESAs and was targeted toward identifying Recognized Environmental Conditions (RECs) in connection with the property. The attached report summarizes our research, findings, and conclusions regarding the subject property.

As stated in Section 7.0 (Findings, Opinions, Data Gaps and Conclusions) of the report, this assessment revealed no RECs, no Controlled Recognized Environmental Conditions (CRECs) and no Historical Recognized Environmental Conditions (HRECs) in connection with the subject property.

We appreciate the opportunity to complete this assessment for you. Should you have any questions or require any additional information, please do not hesitate to contact our office at (407) 894-5969. Thank you.

Sincerely,

John Miklos
President

Attachment: Phase I ESA Report

Orlando: Main Office
3025 East South Street
Orlando, FL 32803

Jacksonville Office
11235 St Johns Industrial Pkwy N
Suite 2
Jacksonville, FL 32246

Tampa Office
6011 Benjamin Road
Suite 101-B
Tampa, FL 33634

Vero Beach Office
4445 North A1A
Suite 221
Vero Beach, FL 32963

Key West Office
1107 Key Plaza
Suite 259
Key West, FL 33040

Land & Aquatic Management
3825 Rouse Road
Orlando, FL 32817

407.894.5969
877.894.5969
407.894.5970 fax

info@bio-techconsulting.com www.bio-techconsulting.com

Collier - Apopka Site
Apopka, Orange County, Florida
(BTC File #303-17)

Phase I Environmental Site Assessment

Prepared for:

James Holloway
Floridian Apopka Phase I Owner, LLC
60 14th Street South, Suite 108
Birmingham, Alabama 35233

Prepared by:

Bio-Tech Consulting, Inc.
3025 East South Street
Orlando, Florida 32803
(407) 894-5969

April 8, 2022

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SECTION 1.0
SUMMARY

In April of 2022, Bio-Tech Consulting, Inc. (BTC) conducted a Phase I Environmental Site Assessment (ESA) of the seventeen (17) parcels, identified by Orange County as #36-20-27-0000-00-047, #36-20-27-0000-00-048, #36-20-27-0000-00-052, #36-20-27-0000-00-066, #36-20-27-0000-00-068, #36-20-27-0000-00-074, #36-20-27-0000-00-075, #36-20-27-0000-00-083, #36-20-27-0000-00-085, #36-20-27-0000-00-093, #06-21-28-7172-16-020, #06-21-28-7172-16-030, #06-21-28-7172-16-040, #06-21-28-7172-16-050, #06-21-28-7172-16-051, #06-21-28-7172-16-060, and #06-21-28-7172-16-070, which comprises the approximately 73.82-acre Collier - Apopka Site. These parcels, currently owned by Collier Benge Land Joint Venture, LLC, are located in the City of Apopka, at the physical addresses of 1374 and 1430 Plymouth Sorrento Road; 3189 Fudge Road; 3075, 3076, 3161, 3162, 3173, 3200 and 3201 Southfork Drive; 3205, 3225 and 3321 Dew Berry Avenue; 1243 and 1289 Hermit Smith Road; within Section 36, Township 20 South, Range 27 East; Orange County, Florida (Figure 1). At the time of the site investigation the subject property appeared as vacant lands with no identifiable use evident. There were no structures identified on the site during the investigation conducted.

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International's Standard Practice E 1527-13 for Phase I ESAs (hereafter referred to as ASTM E 1527-13). Any exceptions to, or deletions from, this practice are described in Section 2.8 of this report.

This assessment revealed no Recognized Environmental Conditions (RECs), no Controlled Recognized Environmental Conditions (CRECs) and no Historical Recognized Environmental Conditions (HRECs) in connection with the subject site or adjoining properties that would warrant further investigation at this time.

SECTION 2.0
INTRODUCTION

2.1 Site Location and Legal Description

The seventeen (17) parcels, identified by Orange County as #36-20-27-0000-00-047, #36-20-27-0000-00-048, #36-20-27-0000-00-052, #36-20-27-0000-00-066, #36-20-27-0000-00-068, #36-20-27-0000-00-074, #36-20-27-0000-00-075, #36-20-27-0000-00-083, #36-20-27-0000-00-085, #36-20-27-0000-00-093, #06-21-28-7172-16-020, #06-21-28-7172-16-030, #06-21-28-7172-16-040, #06-21-28-7172-16-050, #06-21-28-7172-16-051, #06-21-28-7172-16-060, and #06-21-28-7172-16-070, which comprise the approximately 73.82-acre Collier - Apopka Site, located in the City of Apopka, at the physical addresses of 1374 and 1430 Plymouth Sorrento Road; 3189 Fudge Road; 3075, 3076, 3161, 3162, 3173, 3200 and 3201 Southfork Drive; 3205, 3225 and 3321 Dew Berry Avenue; 1243 and 1289 Hermit Smith Road; within Section 36, Township 20 South, Range 27 East; Orange County, Florida. The following are the legal descriptions for the parcels as provided by the Orange County Property Appraiser's Office:

Parcel ID #06-21-28-7172-16-020
3075 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

MAP OF PLYMOUTH B/17 LOT 2 BLK P & AN INT PER 3157/702 IN VAC ST RUNNING E & W THRU CENTER OF BLK P DESC AS FROM SE COR SEC 362027 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.36 FT S 40 FT E 1193.08 FT TO POB PER 3157/0702

Parcel ID #06-21-28-7172-16-030
3173 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

MAP OF PLYMOUTH B/17 LOT 3 BLK P (LESS E 30 FT) & AN INT PER 3157/702 IN VAC ST RUNNING E & W THROUGH CENTER OF BLK P DESC AS FROM SE COR SEC 36-20-27 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.86 FT S 40 FT E 1193.08 FT TO POB PER 3157/0702

Parcel ID #06-21-28-7172-16-040
3201 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

NOTE: HOMESTEAD PORTION OF THE FOLLOWING DESCRIBED PROPERTY) MAP OF PLYMOUTH B/17 LOT 4 BLK P & S 20 FT OF N 661.97 FT OF W 132 FT OF SE1/4 OF SE1/4 OF SEC 36-20-27 & AN INT PER 3157/702 IN VAC ST RUNNING E & W THRU CENTER OF BLK P DESC AS FROM SE COR OF SEC 36- 20-27 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.86 FT S 40 FT E 1193.08 FT TO POB SEE 3934/3359

Parcel ID #06-21-28-7172-16-050
3200 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

MAP OF PLYMOUTH B/17 THE E 3/5 OF LOT 5 BLK P & AN INT PER 3157/702 IN VAC ST RUNNING E & W THROUGH CENTER OF BLK P DESC AS FROM SE COR 36-20-27 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.86 FT S 40 FT E 1193.08 FT TO POB PER 3157/0702

Parcel ID #06-21-28-7172-16-051
3189 Fudge Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

MAP OF PLYMOUTH B/17 THE W 2/5 OF LOT 5 BLK P (LESS R/W FOR FUDGE RD ON S & LESS W 60 FT OF S 10 FT THEREOF FOR R/W) & (LESS PT TAKEN FOR R/W ON S PER 9852/5231) & S1/2 OF W 132 FT OF VAC ST RUNNING E & W THRU CTR BLK P 2897/83 SEE 2972/1671

Parcel ID #06-21-28-7172-16-060
3162 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

MAP OF PLYMOUTH B/17 LOT 6 BLK P & AN INT PER 3157/702 IN VAC ST RUNNING E & W THROUGH CENTER OF BLK P DESC AS FROM SE COR SEC 36-20-27 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.86 FT S 40 FT E 1193.08 FT TO POB PER 3157/0702

Parcel ID #06-21-28-7172-16-070
3076 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

(NOTE: HOMESTEAD PORTION OF THE FOLLOWING DESCRIBED PROPERTY) MAP OF PLYMOUTH B/17 LOT 7 BLK P & AN INT PER 3157/702 IN VAC ST RUNNING E & W THROUGH CENTER OF BLK P DESC AS FROM SE COR SEC 36-20-27 RUN N 642.77 FT FOR POB TH RUN N 32.78 FT W 20 FT N 7.11 FT W 1173.86 FT S 40 FT E 1193.08 FT TO POB SEE 5118/3417

Parcel ID #36-20-27-0000-00-047
3205 Dew Berry Avenue
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

NE1/4 OF SW1/4 OF SE1/4 (LESS W 396 FT THEREOF) & (LESS S 10.01 FT FOR R/W PER OR 4184/3110) SEC 36-20-27

Parcel ID #36-20-27-0000-00-048
1243 Hermit Smith Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

BEG 86.78 FT N OF SE COR OF SE1/4 OF NW1/4 OF SE1/4 TH RUN N 95.22 FT W 264 FT S 17 FT W 132 FT N 165 FT W 264 FT S 297 FT E 571 FT N 54 FT E 89 FT TO POB IN SEC 36-20-27

Parcel ID #36-20-27-0000-00-052
3161 Southfork Drive
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

9400/0226 RECORDED WITH OUT LEGAL-- S 400 FT OF NE1/4 OF SE1/4 (LESS COMM AT NE COR OF SE1/4 TH S02-14-21E 924.06 FT TO PT ON N LINE OF S 400 FT OF NE1/4 OF SE1/4 BEING POB TH CONT S02-14-21E 400.18 FT TO PT ON S LINE OF NE1/4 OF SE1/4 TH S89-29-17W 249.96 FT ALONG S LINE TO PT ON A CURV CONCV WLY HAVING A RAD OF 11,294.16 FT A CHORD BEARING OF N02-02-26W A CENTRAL ANGLE OF 02-01-48 & AN ARC DIST OF 40.16 FT TH N89-29-17E 248.57 FT TO POB PER 10764/0480) & E 30 FT OF LOT 3 BLK P MAP OF PLYMOUTH B/17 IN SEC 36-20-27

Parcel ID #36-20-27-0000-00-066
1289 Hermit Smith Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

BEG SE COR OF SE1/4 OF NW1/4 OF SE1/4 TH RUN W 660 FT N 33 FT E 571 FT N 54 FT E 89 FT S 86.78 FT TO POB IN SEC 36-20-27

Parcel ID #36-20-27-0000-00-068
Hermit Smith Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

N 148.5 FT OF E 264 FT OF S1/2 OF SE1/4 OF NW1/4 OF SE1/4 SEC 36-20-27 SEE 3069/701

Parcel ID #36-20-27-0000-00-074
Hermit Smith Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

N1/2 OF S1/2 OF SE1/4 OF NW1/4 OF SE1/4 (LESS E 264 FT & LESS W 264 FT) OF SEC 36-20-27

Parcel ID #36-20-27-0000-00-075
1374 Plymouth Sorrento Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

BEG 400 FT N & 300 FT E OF SW COR OF NE 1/4 OF SE1/4 RUN E 1032.9 FT N 905.7 FT W 300 FT SWLY TO POB IN SEC 36-20-27 (LESS COMM AT NE COR OF SE1/4 PF SEC TH RUN S02-14-21E 20.01 FT TO PT ON S LINE OF N 20 FT OF E 300 FT OF NE1/4 OF SE1/4 AND POB TH CONT S 02-14-21E 904.05 FT TO PT ON N LINE OF S 400 FT OF NE1/4 OF SE1/4 TH S89-29-17W ALONG N LINE 373.7 FT TO PT ON CURV CONCV WLY HAVING A RAD OF 11,169.16 A CHORD BEARING OF N04-40-48W A CENTRAL ANGLE OF 03-11-30 & AN ARC DIST OF 622.17 FT TH N37-22-01E 182.75 FT TH N00-27-45W 24.57 FT TH S89-31-59W 46.6 FT TH N52-36-26W 49.54 FT TO PT ON WLY LINE OF LANDS DESC IN OR 8943/2342 TH N37-23-29E 106.13 FT TH N89-27-24E 300 FT TO POB PER 10705/6080) & N 20 FT LOT 2 BLK E PLYMOUTH PB B/17 & VAC R/W LYING W OF SAID N 20 FT OF LOT 2 PER DB 596/467

Parcel ID #36-20-27-0000-00-083
3321 Dew Berry Avenue
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

W1/2 OF NE1/4 OF SW1/4 OF SE1/4 (LESS S 10.01 FT FOR RD R/W PER OR 4175/4995) OF SEC 36-20-27

Parcel ID #36-20-27-0000-00-085
3225 Dew Berry Avenue
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

BEG 330 FT E OF SW COR OF NE1/4 OF SW1/4 OF SE1/4 RUN E 66 FT N 660 FT W 66 FT S 660 FT TO POB (LESS S 10.01 FT FOR RD R/W PER OR 4175/4995) IN SEC 36-20-27

Parcel ID #36-20-27-0000-00-093
1430 Plymouth Sorrento Road
Apopka, Florida 32712
Owner – Collier Benge Land Joint Venture, LLC

BEG 400 FT N OF SW COR OF NE1/4 OF SE1/4 RUN N TO N LINE OF SE1/4 TH E TO NE COR OF SE1/4 TH S 20 FT TH W 300 FT TH SWLY TO A POINT 300 FT E OF POB TH W 300 FT TO POB (LESS BEG AT NE COR OF SE1/4 RUN S02-14-21E 20.01 FT TO PT ON S LINE OF N 20 FT OF E 300 FT OF NE1/4 OF SE1/4 TH S89-27-24W 279.34 FT TH CONT S89-27-24W 20.58 FT TH S37-23-29W 106.13 FT TH N52-36-26W 29.99 FT TH N00-31-19W 85.41 FT TO PT ON N LINE OF SEC TH N89-28-38E 388.19 FT TO POB PER 10760/7046) IN SEC 36-20-27 & N 20 FT OF NW1/4 OF SW1/4 OF SEC 31-20-28 LYING W PLYMOUTH SORRENTO RD - BEING VAC R/W PER DB 596/467

2.2 Site and Vicinity General Characteristics

2.2.1 Current Uses of the Subject Site and Adjoining Properties

In general, the subject site is situated in a former agricultural and residential use area, including homesites, and residential subdivisions. Historically the area appears to have been comprised mostly of lands associated with agricultural uses (citrus groves, nurseries and possibly some pastureland uses), undeveloped naturally vegetated uplands and wetlands and residential homesites from prior to 1940 through to the present time. In the 2000s the area started to see a decrease in agricultural usage and an increase in large-scale residential development. Since that time, residential uses have dominated the area with a continued decrease in undeveloped lands and lands utilized for agricultural purposes. At the time of the site investigation the subject property appeared as vacant lands with no identifiable use. Currently adjoining the subject property are lands associated with residential subdivisions (north and west), lands associated with single-family homesites (southwest) and the State Road 429 right-of-way (east and south).

2.2.2 Soils

According to the SSURGO Soils Map of Orange County, Florida, prepared by the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), five (5) soil types occur within the subject property boundaries (Figure 2). The following presents a brief description of these soil types mapped for the property:

Candler fine sand, 0 to 5 percent slopes (#4) is a nearly level to gently sloping, excessively drained soil found on the uplands. The surface layer of this soil type generally consists of very dark grayish brown fine sand about 5 inches thick. The seasonal high-water table for this soil type is at a depth of more than 80 inches. Permeability of this soil type is rapid in the surface and subsurface layers and is rapid to moderately rapid in the subsoil.

Candler fine sand, 5 to 12 percent slopes (#5) is a sloping to strongly sloping, excessively drained soil found on the uplands. The surface layer of this soil type generally consists of dark grayish brown fine sand about 4 inches thick. The seasonal high-water table for this soil type is at a depth of more than 80 inches. Permeability of this soil type is rapid in the surface and subsurface layers and is rapid to moderately rapid in the subsoil.

Candler-Urban land complex, 0 to 5 percent slopes (#7) is a nearly level to gently sloping and excessively drained soil complex found in the uplands. Typically, the surface layer of Chandler soil is very dark grayish brown find sand about 4 inches thick. The subsurface layer, to a depth of about 67 inches, is very pale brown fine sand. A seasonal high-water table is at a depth of more than 80 inches. The permeability of Chandler soils is rapid in the surface and subsurface layers and rapid to moderately rapid in the subsoil.

Tavares fine sand, 0 to 5 percent slopes (#46) is a nearly level to gently sloping, moderately well drained soil found on low ridges and knolls on the uplands. The surface layer of this soil type generally consists of very dark gray fine sand about 6 inches thick. The seasonal high-water table for this soil type is at a depth of 40 to 80 inches for more than 6 months, and recedes to a depth of more than 80 inches during extended dry periods. Permeability of this soil type is very rapid throughout.

Tavares - Millhopper fine sands, 0 to 5 percent slopes (#47) are nearly level to gently sloping, moderately well drained soils found on low ridges and knolls on the uplands and on the flatwoods. Typically, the surface layer of Tavares and Millhopper soils is dark grayish brown fine sand about 6 inches thick. The seasonal high-water table for Tavares soil is at a depth of 40 to 72 inches for more than 6 months, and recedes to a depth of more than 80 inches during extended dry periods. The seasonal high-water table for Millhopper soil is at a depth of 40 to 60 inches for 1 to 4 months, and recedes to a depth of 60 to 72 inches for 2 to 4 months. Permeability of Tavares soil is very rapid. Permeability of Millhopper soil is rapid in the surface and subsurface layers and is moderately rapid or moderate in the subsoil.

Pursuant to the Hydric Soils of Florida Handbook, Fourth Edition, March 2007, the Florida Association of Environmental Soil Scientists (FAESS) does not consider the main components or inclusions in any of the soil types associated with the site to be hydric.

2.2.3 Topography

Based upon a review of the USGS Topographic Map presented in Figure 3 (Apopka, Florida Quadrangle – 1960/Photorevised 1980), the subject lands appear to have a fair amount of fall, with elevations ranging between 154 and down to nearly 100 feet above the National Geodetic Vertical Datum of 1929 (NGVD). In general, it would appear that the subject parcel slopes gradually towards the south, as well as towards the depressional area in the north.

2.3 Purpose

The purpose of this Phase I ESA was to identify RECs associated with the subject site. A REC, as defined by the ASTM International Standard Practice E 1527-13 for Phase I ESAs, refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not RECs. For the purposes of this assessment, a "release" is identified as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discharging of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant). The term "environment" includes (A) the navigable waters, the waters of contiguous zone, and the ocean waters and (B) any other surface water, groundwater, drinking water supply, land surface or subsurface strata.

An HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations [AULs], institutional controls, or engineering controls). A CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a No Further Action [NFA] letter or equivalent, or meeting risk-based criteria established by regulatory), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). *De minimis* conditions generally would not present material risk of harm to public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. *De minimis* conditions are not RECs.

This Phase I ESA was performed in general accordance with ASTM International Standard Practice E 1527-13 for Phase I ESAs utilizing methods and procedures consistent with good commercial or customary practice. The independent conclusions represent our best professional judgment based on information and data available to us during the course of this assessment and on the conditions that existed and information available at the time of the assessment.

2.4 Scope of Services

The Phase I ESA was performed as part of the user's due diligence process associated with a potential commercial real estate transaction (land purchase for future residential development). It is assumed it will be utilized to assess the environmental condition of the property for reasons of qualifying for one of the *Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"). As the Phase I ESA was conducted in general compliance with the scope and instructions of ASTM E 1527-13, it should constitute "All Appropriate Inquiry" into the previous ownership and uses of the property consistent with good commercial or customary practice.

To achieve the stated purpose, the following services were performed by BTC for this assessment:

- Physical characteristics and uses of the subject property and adjoining lands were reviewed.

- Standard environmental record sources maintained by federal, state, local and tribal agencies to identify sites that could have the potential to impact the environmental quality of the subject property were reviewed. Governmental agency information is collected and compiled by a contracted data research company. The data research company report is based on a radius search which focuses both on the subject property and neighboring lands which may have impacted the site.

- The site history was reviewed in an attempt to identify possible property ownership and/or uses that would suggest an impact to the environmental integrity of the property. This is performed through review of reasonably ascertainable land title records and standard historical sources.

- A site reconnaissance was performed to visually and physically inspect the subject property. This includes a visual inspection of the portions of adjoining properties visible from the subject site and public thoroughfares.

- Interviews were conducted, when possible, with individuals and local government representatives considered likely to know useful information regarding the subject property and adjoining properties.

- A report was prepared, which included the results of our investigation, our findings, opinions, and conclusions, and a discussion of any data gaps encountered.

2.5 Significant Assumptions

The following notable assumptions were made through the course of this assessment:

- It is assumed that petroleum and/or hazardous waste discharges located greater than ¼-mile from the subject site will not affect site groundwater quality at the property.

- It is assumed the site was undeveloped and vacant on the 1947 historical aerial photograph reviewed by BTC as part of this assessment.

- It is assumed the site was in use for a first time agricultural use for citrus production on the 1947 historical aerial photograph reviewed by BTC as part of this assessment. Before the agricultural use, the site is assumed to have been undeveloped and vacant.

2.6 Limitations and Exceptions of Assessment

This Phase I ESA was conducted in a manner consistent with that level of care and skill exercised by members of the profession currently practicing under similar conditions, and was based upon the information made available to BTC at the time of this assessment. This Phase I ESA is strictly limited to the scope of services listed in Section 2.4. The Environmental Professional did not evaluate the site for conditions relating to asbestos containing building materials, biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality/vapor intrusion (unrelated to releases of hazardous substances or petroleum products into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance and wetlands.

As stated in ASTM E 1527-13, the user or environmental professional is not obligated to identify, obtain, or review every possible record that might exist with respect to a property; it is only necessary to review record information that is reasonably ascertainable from standard sources. Such information is publicly available, obtainable within reasonable time and cost constraints, and practically reviewable.

A Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property. As noted by the legal analysis in ASTM E 1527-13, there may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice. Also, some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in Comprehensive Environmental Response, Compensation, and Liability Act's (CERCLA) definition of hazardous substances. It is therefore recognized that the possibility exists that some hazardous substances or wastes may not be detected because it is beyond the level of inquiry for this type of study.

At the time of the site investigation the subject property appeared as vacant lands with no identifiable use evident. There were no structures identified on the site during the investigation conducted.

2.7 Special Terms and Conditions

This report, and the information contained herein, shall be the sole property of BTC until payment of any unpaid balance is made in full. Floridian Apopka Phase I Owner, LLC, hereinafter referred to as the User of this Phase I ESA report, agrees that until payment is made in full, the User shall not have proprietary interest in this report or the information contained herein. BTC shall have absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the User in the event of nonpayment of outstanding fees by the User.

2.8 Deviations

This Phase I ESA did not delete or deviate from ASTM E 1527-13.

2.9 User Reliance

This Phase I ESA was completed for use by the following entities/individuals:

- Floridan Apopka Phase I Owner, LLC and related assigns
- First American Bank
- Collier Benge Land Joint Venture LLC and related assigns
- Orange County, Florida

No other parties are authorized to rely on this report without express written permission from BTC.

SECTION 3.0
USER PROVIDED INFORMATION

In order to qualify for one of the Landowner Liability Protections (LLPs) to CERCLA liability, the user of a Phase I ESA must provide specific information (if available) to the environmental professional (EP) conducting the assessment. This task is intended to help identify the possibility of RECs in connection with the subject property. Failure of the user to provide this information could result in a determination the "All Appropriate Inquiry" is not complete. The User Questionnaire was not returned in the timeframe allotted for this assessment. The following provides a summary of the questionnaire items:

3.1 Environmental Liens or Activity and Use Limitations

An environmental lien is defined as a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property. Activity and Use Limitations (AULs) collectively are institutional (legal) restrictions and engineering (physical) controls, put in place to prevent adverse impacts to individuals and populations resulting from exposure to hazardous substances and petroleum products.

It is the user's responsibility to check, or engage a title company or title professional to check ascertainable, recorded land title records for environmental liens and AULs, if any, that are currently recorded against the property. Any environmental liens or AULs so identified shall be reported.

No response was provided regarding any environmental liens or AULs associated with the subject property. BTC is unaware of any environmental liens or AULs associated with the subject property

3.2 Specialized Knowledge

No response was provided regarding specialized knowledge associated with the past or present uses of the subject site or nearby properties that is material to RECs in connection with this assessment.

3.3 Valuation Reduction for Environmental Issues

BTC was not informed of a valuation reduction for environmental issues. No response was provided regarding a valuation reduction for environmental issues.

3.4 Commonly Known or Reasonably Ascertainable Information

No response was provided regarding the past uses of the property. The user also provided no response regarding knowledge of any past or present chemical use or storage on the site, any spills or other chemical releases that have taken place at the parcel, or any environmental cleanups that have occurred on the property.

3.5 Obvious Indicators of Releases

No response was provided regarding any obvious indicators that point to the presence or likely presence of contamination at the property.

3.6 Reason for Performing Phase I ESA

No response was provided regarding the reason for requesting this this Phase I ESA. It is assumed that is was requested as part of the user's due diligence process associated with a potential commercial real estate transaction (land purchase for future residential development) and will be utilized to assess the environmental condition of the property for reasons of qualifying for the innocent landowner defense to CERCLA liability.

3.7 Title Records

No historical ownership (chain-of-title) information for the subject property was provided to BTC by the user of this assessment. Based on a review of available historical aerial photographs (dating from 1947 through 2022), as well as information gathered via interviews and during our site visit, it appears that past/present owners of the site, to at least the mid-1940s, have only used the property for agricultural and residential uses (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site). Based on this information, it appears that no past owners of the site represented entities of heavy industrial, chemical production, or waste disposal repositories.

Please note that properties occurring in areas with a historic use focused on cattle ranching during the period 1906 to 1961 may include, or be in close proximity, to a historic cattle dip vat. Failure to provide chain of title information limits the environmental professional's ability to cross-reference past ownership of the subject property with the State's list of historic cattle dip vat locations.

SECTION 4.0
RECORDS REVIEW

As a component part of our Phase I ESA investigations, reasonably ascertainable standard Federal, State and Tribal environmental records are reviewed. In addition, historical record sources such as aerial photographs, ascertainable Sanborn Fire Insurance Maps, City Directories and topographic maps are reviewed. The purpose of the records review is to obtain and review records that will help identify potential RECs in connection with the subject site. The following sections detail these activities.

4.1 Standard Federal and State Environmental Records

BTC reviewed standard environmental record sources, consisting of Federal, State and Tribal environmental databases compiled by Environmental Data Resources, Inc. (EDR) of Shelton Connecticut. The complete regulatory database report provided by EDR (Report #6925306.2s) is included with this report as Appendix A. Each database has a corresponding search radius as specified by ASTM E 1527-13. Facilities identified to be within this search radius are listed within this subsection. BTC also reviewed unmappable sites, which cannot be precisely located, generally due to inaccurate or missing location information in the record provided by the agency. Any unmappable site identified to be located within its applicable search radius of the site is discussed in the relevant section below.

The following table summarizes the databases reviewed, their ASTM search radii and the number of facilities identified in the environmental database review. Supporting information for each database is provided in the sections referenced. Additionally, database descriptions are included in the attached database report.

ENVIRONMENTAL RECORD SOURCES	ASTM Search Distance (miles)	Listings within Search Distance	Reference Section
Standard Federal Sources			
Federal NPL Site List	1.0	0	4.1.1
Federal Delisted NPL Site List	0.5	0	4.1.1
Federal CERCLIS List/Superfund Enterprise Management System (SEMS)	0.5	0	4.1.2
Federal CERCLIS-NFRAP Site List	0.5	0	4.1.3
Federal RCRA-CORRACTS Facilities List	1.0	0	4.1.4
Federal RCRA-Non CORRACTS TSD Facilities List	0.5	0	4.1.5
Federal RCRA-Generators List	Target and Adjoining Properties	0 0 (Non-Gen)	4.1.6

Federal Institutional Controls/Engineering Controls Registries	Property Only	0	4.1.7
Federal ERNS List	Property Only	0	4.1.8
Standard State and Tribal Sources			
State and Tribal Hazardous Waste Sites (SHWS) – *CERCLIS equivalent*	0.5	0	4.1.9
State and Tribal Solid Waste/Landfill Facilities (SWF/LF)	0.5	1	4.1.10
State and Tribal Leaking Underground Storage Tank Sites (LUST)	0.5	3	4.1.11
State Registered Underground Storage Tank and Aboveground Storage Tank Lists (AST and UST)	Target and Adjoining Properties	0	4.1.12
State and Tribal Institutional Control/ Engineering Control Registries	Property Only	0	4.1.13
State and Tribal Voluntary Cleanup Sites (VCP)	0.5	0	4.1.14
State and Tribal Brownfields Areas/Sites	0.5	0	4.1.15
Additional Environmental Records			
State Dry-cleaning Facilities (DRYCLEANERS)	0.25	0	4.1.16
State Dry-cleaning Priority Ranking List (PRIORITYCLEANERS)	0.5	0	4.1.17
State Delineated Areas - Ethylene Dibromide (DEDB) Database	0.5	0	4.1.18
Florida Cattle Dip Vat Sites	0.25	0	4.1.19
Unmappable Sites		0	4.1.20

4.1.1 Federal National Priorities List (NPL) and Delisted NPL

The NPL itemizes facilities and/or locations with confirmed environmental contamination. The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. The Delisted NPL identifies sites where no further response has been deemed appropriate.

There were no NPL sites identified within one mile of the subject site and no Delisted NPL sites identified within one-half mile of the subject property.

4.1.2 Federal CERCLIS List/Superfund Enterprise Management System (SEMS)

The U.S. Environmental Protection Agency (USEPA) renamed the CERCLIS list to Superfund Enterprise Management System (SEMS) in 2015. The SEMS contains data on potential hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The SEMS contains sites which are either proposed for inclusion on the National Priorities List (NPL) or are in the screening and assessment phase for possible inclusion on the NPL. A listing in the SEMS does not always indicate the presence of contamination, only that the site is being investigated.

There were no CERCLIS/SEMS sites identified within one-half mile of the subject property.

4.1.3 Federal CERCLIS No Further Remedial Action Planned (NFRAP)

The CERCLIS NFRAP is an identification of those facilities and/or locations which have been removed from the EPA inventory of potential and confirmed hazardous waste sites (CERCLIS sites). This database was created in an effort to help cities, states, private investors and affected citizens promote economic redevelopment.

There were no CERCLIS NFRAP sites identified within one-half mile of the subject property.

4.1.4 Federal Resource Conservation and Recovery Act Information System (RCRA) – CORRACTS Facilities List

The RCRA-CORRACTS list identifies hazardous waste handlers with RCRA corrective action activity.

There were no CORRACTS (corrective action) sites identified within one mile of the subject property.

4.1.5 Federal RCRA – Non-CORRACTS TSD Sites

The RCRA-TSD list identifies facilities and/or locations that are associated with the treating, storing or disposal of hazardous substances or waste. The facilities listed in the TSD list are potential sources of contamination although no release has necessarily been reported at these sites.

There were no Non-CORRACTS TSD (treatment, storage & disposal) sites identified within one-half mile of the subject property.

4.1.6 Federal RCRA – Generator Sites

The RCRA-Generators list identifies facilities and/or locations associated with the handling, storing or transporting hazardous substances or waste. The facilities listed in the RCRA-Generators list are potential sources of contamination although no release has necessarily been reported at these sites.

Neither the subject property nor immediately adjoining properties are identified as RCRA Generator sites in the available radius information.

4.1.7 Federal Institutional Control/Engineering Control Registries

The Institutional Control and Engineering Control Registries are listings of sites with institutional or engineering controls in place. Institutional controls include administrative measures and post remediation care requirements intended to prevent exposure to contaminants remaining on a site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

The subject property is not identified in association with any Federal institutional and/or engineering controls.

4.1.8 Federal Emergency Response Notification System (ERNS)

The ERNS lists information on releases of petroleum products and hazardous waste. The ERNS list identifies those facilities and/or locations that have been reported to the USEPA under the Emergency Response Notification System because of the release of potentially hazardous material.

The subject property is not identified as an ERNS site.

4.1.9 State Hazardous Waste Sites (SHWS)

The State Hazardous Waste Sites List (SHWS) is the State equivalent to the CERCLIS list. These sites may or may not already be listed on the Federal CERCLIS list.

There were no SHWS sites identified within one-half mile of the subject property.

4.1.10 State Solid Waste/Landfill Facilities (SWF/LF)

The SWF/LF list includes facilities and/or locations identified with the handling or land filling of solid waste. Inclusion of a site on the SWF list does not indicate that contamination has been reported, but rather that there is the potential.

There was one (1) SWF/LF site identified within one-half mile of the subject property. This area SWF/LF listing is reported as follows:

- **Shalom Tire and Auto Service**
  3355 West Orange Blossom Trail
  Apopka, Florida 32712
  Approximately 1950-feet WSW (cross/down-gradient)
  Facility ID: #101358
  Classification: Waste Tire Collection Center
  Facility Status: Exempt from SW Permitting/Registration (E)

The Shalom Tire and Auto Service listing is reported as a waste tire collection center last inspected by the FDEP on June 17, 2013. The site is not identified in association with any compliance/enforcement or permitting/cleanup documents in public file information gathered from the Florida Department of Environmental Protection's Division of Waste Management OCULUS System. Based on this information, as well as the nature of the operations at this facility, this area SWF/LF listing does not appear significant to the subject site and this assessment at this time.

4.1.11 State Leaking Underground Storage Tanks (LUST)

The State Leaking Underground Storage Tank (LUST) list was screened via the Florida Department of Environmental Protection's (FDEP's) Division of Waste Management OCULUS System. The LUST list includes specifically those sites that have reported incidences of leaks or discharges associated with underground storage tanks (USTs).

There were three (3) LUST sites identified within one-half mile of the subject property. These area LUST listings are reported as follows:

- **Fiskars Brands Inc.**
  3000 West Orange Avenue
  Apopka, Florida 32703
  Facility ID #9503025
  Facility Status: Closed Industrial Plant
  Discharge Cleanup Status: SRCR – SRCR Complete as of 04/11/2002

Based on a review of public file information gathered from the FDEP's Division of Waste Management OCULUS System, the Fiskars Brands Inc. site is associated with a discharge of vehicular diesel to soil and groundwater reported in August of 1994. This listing does not appear significant to the subject property and this assessment at this time (potential for discharges associated with this reported listing to have impacted the subject property is low). This determination is based on cleanup status achieved/rendered (SRCR – SRCR Complete as of 04/11/2002), as well as soil and groundwater assessment sampling results and flow determinations detailed in various site investigation reports (completed by others) and agency correspondence reviewed by BTC as part of this assessment.

- **Diamond Food Mart**
  2901 West Orange Blossom Trail
  Apopka, Florida 32712
  Facility ID #8513126
  Facility Status: Open Retail Station
  Discharge Cleanup Status – RA – RA Ongoing as of 10/12/2004

Based on a review of public file information gathered from the FDEP's Division of Waste Management OCULUS System, the Diamond Food Mart site is associated with a discharge of unleaded gasoline to soil and groundwater reported in July of 1990. This listing does not appear significant to the subject property and this assessment at this time (potential for discharges associated with this reported listing to have impacted the subject property is low). This determination is based on the physical distance from the subject property, the topographic character within the area, soil and groundwater assessment sampling results and flow determinations detailed in various site investigation reports (completed by others) and agency correspondence reviewed by BTC as part of this assessment. The following provides excerpts from a General Site Assessment Report and No Further Action Proposal dated November 11, 2019, prepared by Advanced Environmental Technologies, LLC., for this area LUST site:

CONCLUSIONS
The July 25, 2019, groundwater elevation data indicated a northerly flow direction. On July 25, 2019, AET collected groundwater samples from two (2) monitor wells (MW-6 and MW-9R) and submitted for laboratory analysis using EPA Method 8260 (BTEX/MTBE) and 8270 (PAHs). The July 25, 2019, groundwater analytical data did not reveal concentrations above the GCTLs from the locations sampled. In September 2017, soil confirmation samples were collected from soil boring locations SB-2A (former SB-10), SB-5A (former SB-7) and SB-10A (former SB-11) that previously reported soil concentrations above the Soil Cleanup Target Levels (SCTLs). The 2017 soil samples did not report soil concentrations above the SCTLs

RECOMMENDATIONS
AET recommends that this site be approved for No Further Action and that a Site Rehabilitation Completion Order be issued after proper abandonment of all wells. A change order or new purchase order will be required to abandon all the on-site and off-site wells associated with the site.

While it appears there still may be an issue with potential lead contamination associated with the site based on our review of readily available public file records, this area LUST site does not appear significant to the subject site and this assessment at this time.

- **Southland Garden Nursery**
  700 South Hermit Smith Road
  Apopka, Florida 32768
  Facility ID #8513126
  Facility Status: Closed
  Discharge Cleanup Status – NFAC Complete as of 3/27/2020

Based on our review of readily available public file records as well as the location of the site being at the limit of the radius and being significantly downgradient, this area LUST site does not appear significant to the subject site and this assessment at this time.

4.1.12 State and Tribal Registered Storage Tank Lists (AST/UST)

The State and Tribal Registered Storage Tank lists include all facilities and/or locations that are required by Florida Administrative Code (F.A.C.) to register aboveground storage tanks (ASTs) and underground storage tanks (USTs). Inclusion on these lists does not indicate that a release of petroleum product has occurred, but rather that there is the potential for a release. The AST and UST registries were screened via the FDEP's OCULUS System.

Neither the subject site nor adjoining properties are identified as being associated with registered ASTs or USTs.

4.1.13 State Institutional Control/Engineering Control Registries

The Institutional Control and Engineering Control Registries are listings of contaminated sites in the State which are subject to institutional or engineering controls. Institutional controls include administrative measures and post remediation care requirements intended to prevent exposure to contaminants remaining on a site. Engineering controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to a property.

The subject property is not identified in association with any State institutional and/or engineering controls.

4.1.14 State Voluntary Cleanup Sites (VCP)

The VCP database lists facilities and/or locations that are associated with voluntary cleanup activities.

There were no VCP sites identified within one-half mile of the subject property.

4.1.15 State Brownfields Areas/Sites

Brownfields are defined by the FDEP as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. The primary goals of Florida's Brownfields Redevelopment Act (Ch. 97-277, Laws of Florida, codified at ss. 376.77-.85, F.S.) are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage redevelopment and voluntary cleanup of contaminated properties. A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and USEPA designated brownfield pilot projects.

There were no State Brownfield Areas/Sites identified within one-half mile of the subject property.

4.1.16 State Dry-cleaning Facilities (DRYCLEANERS)

The DRYCLEANERS database includes information about permitted dry cleaner facilities. A listing on the DRYCLEANERS database does not indicate that a release has occurred, but rather that there is the potential for a release.

There were no DRYCLEANERS sites identified within one-quarter mile of the subject property.

4.1.17 State Dry-cleaner Priority Ranking List (PRIORITYCLEANERS)

The PRIORITYCLEANERS database is a listing of all facilities that have applied for a state funded program which aids in the cleanup of properties that are contaminated as a result of the operations of a dry-cleaning facility or wholesale supply facility. A listing on PRIORITYCLEANERS indicates that a release has occurred, although the quantity released may not pose a threat to either the releasing facility or to surrounding properties.

There were no PRIORITYCLEANERS sites identified within one-half mile of the subject property.

4.1.18 State Delineated Areas - Ethylene Dibromide (DEDB) Database

Ethylene Dibromide (EDB) is a carcinogenic compound determined by the USEPA to have the potential to produce adverse health effects from prolonged consumption. EDB was used as a soil fumigant between 1962 and 1983 to control nematodes on citrus groves, golf courses and some other crops such as peanuts and soybean. It also was an additive to leaded gasoline from the 1920s until leaded gasoline was phased out in the 1980s. Subsequently, EDB was identified as a carcinogen and as a groundwater contaminant associated with older leaking underground storage tank sites (LUSTs), as well as with certain historical agricultural lands.

The FDEP now delineates areas of EDB contamination, which are codified under Chapter 62-524, F.A.C. Although EDB sites have been confirmed in twenty-two (22) Florida counties, most of the sites are located in five (5) counties: Highlands, Jackson, Lake, Orange and Polk. The Delineated Areas-Ethylene Dibromide database (DEDB) identifies those locations where the FDEP has delineated a 1000-foot setback zone from a confirmed EDB-contaminated groundwater well or in areas where EDB was historically applied, but for which groundwater quality data is limited. While a review of this database is not required specifically by the ASTM standard, an investigation of this information is considered good commercial and customary practice in Florida, particularly in historic citrus growing areas [or the five (5) aforementioned counties], out to a radius of one-half mile from a subject property.

There were no DEDB test sites identified within one-half mile of the subject property in the available radius information. In order to further assess the potential for EDB to have affected the subject property, a review of FDEP Groundwater Contamination Areas data was conducted as part of this assessment. This review did not identify the subject property as being located within a known historical EDB application area, pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting in Delineated Areas.

4.1.19 Florida Cattle Dip Vat Sites

The State Cattle Dip Vat database lists the known locations of historic cattle dip vats. According to the Florida Department of Health, approximately 3,400 cattle-dipping vats were constructed on private properties throughout Florida from 1906 through 1962. These vats were used in an effort to eradicate cattle fever ticks, and State law required that all cattle, horses, mules, goats, and other susceptible animals be dipped every fourteen (14) days. The vats contained insecticide solutions that were mixed on site and therefore, most were located near a water source. The sites consisted of a concrete trough, typically measuring 30-feet long, 3-feet wide and up to 7-feet deep, with a drip pad at the exit and a drip pen beyond the pad.

It is now known that the solutions used in these cattle-dipping vats are harmful to humans and areas with the vats may have contaminated soils and groundwater in their vicinity. The most significant contaminant of concern at cattle dip vat locations is arsenic, although other potential contaminants include BHC, DDT, DDE and toxaphene. The original State records typically identified vat locations descriptively or by property owner and did not include an address or map location.

Consequently, while eighty-five (85) cattle dip vats are listed as having been constructed in Orange County, only one (1) of them has been mapped in recent years. Hence, properties located in areas with an historic land use of cattle ranching may have or be in close proximity to an historic cattle dip vat.

There were no cattle dip vat sites identified within one-quarter mile of the subject property in the available radius report.

4.1.20 Unmappable Sites

BTC reviewed the EDR Orphan Summary (unmapped sites included in databases) as part of this assessment. Unmappable sites are those for which inadequate location information exists (i.e. no definitive street address, zip code or latitude/longitude data) for a practical review.

Based on the information reviewed, there were no orphan sites listed within close proximity to the subject property.

4.2 Additional Environmental Records Sources

Additional environmental record sources considered during the course of this study included two (2) Responsible Party (RESP PARTY) sites that were included in the radius report obtained by BTC for the property. These area RESP PARTY listings are reported as follows:

- **Fiskars Brands Inc.**
  3000 West Orange Avenue
  Apopka, Florida 32703
  Approximately 1,550-feet SSW (cross/down-gradient)
  Site ID #342206
  Project ID #350470
  Site Status: Closed

Based on a review of public file information gathered from the FDEP, it appears the Fiskars Brands Inc. RESP PARTY listing is associated with an exterior area of oil-stained pavement and soil observed near the manufacturing building associated with this facility. The staining is reported as covering approximately 20-square feet of paved area and 10-square feet of soil. Based on the public file information reviewed, the affected soil was excavated, the pavement was power washed and confirmation soils samples were collected in December of 2015 and January of 2016. Information included in the radius report for this record notes that the best available evidence regarding the file demonstrated that contamination above applicable standards or criteria did not extend off-site from this facility. Based on this information, as well as the location of this site with respect to the subject and the topographic character in the area, the Fiskars Brands Inc. RESP PARTY listing does not appear significant to the subject property and this assessment at this time (potential for discharges at this facility to have impacted the subject property appears low).

- **Progress Energy SARAP Plymouth**
  3001 West Orange Avenue,
  Apopka, Florida 32703
  Approximately 1,900-feet S (cross/down-gradient)
  Site ID #314616
  Project ID #334926
  Site Status: Closed Cleanup Status: CR – CR Complete as of 12/10/2012

Based on a review of public file information gathered from the FDEP, it appears the Progress Energy SARAP Plymouth listing was historically associated with a discharge from a pad-mounted electrical transformer that was addressed to the FDEP's satisfaction in 2012. The following provides the Review of Report, "Substation Assessment and Remedial Action Plan Report Plymouth Substation Orange County" issued by the FDEP on December 10, 2012:

The Central District's Waste Cleanup Program has reviewed the has reviewed the June 28, 2012 "Substation Assessment and Remedial Action Plan Report Plymouth Substation Orange County" for the Progress Energy pad-mounted transformer site located at 3001 Orange Ave in Apopka, Orange County, Florida. The report submitted on your behalf on July 12, 2012 by S&ME, Inc.

Based on the results documented in the report, the Department has determined the requirements of the Department approved February 2011 Substation Assessment and Remedial Action Plan (SARAP) have been met and additional action will not be required at this time.

Based on this information, as well as the location of this site with respect to the subject and the topographic character in the area, the Progress Energy SARAP Plymouth RESP PARTY listing does not appear significant to the subject property and this assessment at this time (potential for discharges at this facility to have impacted the subject property appears low).

4.3 Historical Use Information - Subject and Adjoining Properties

4.3.1 Historical Aerial Photographs

The land use history of the subject site and adjoining properties was determined, in part, through analysis of historical aerial photographs dating from 1947 through 2022 (see Appendix B). The aerials were obtained from the Florida Department of Transportation (FDOT) and the University of Florida (Publication of Archival, Library & Museum Materials - PALMM). The purpose of the review was to identify evidence of structures, objects, or disturbances at the site and surrounding areas which may indicate the presence of RECs at the time the aerial photographs were taken. Our observations are summarized below:

1947 Historical Aerial Photograph

The subject property appears as agricultural lands in use for citrus crop production, cleared lands and naturally vegetated lands on the 1947 aerial photograph. There are no structures or other improvements evident on the subject site at this time. Adjoining lands appear either similar to the subject site (agricultural lands in use for citrus crop production), as undeveloped lands covered by natural vegetation or as a residential homesites on the 1947 aerial photograph. Located to the south is a roadway along the current State Road 441 right-of-way alignment.

1954 Historical Aerial Photograph

Other than the residential homesites on the west-central portion of the subject property, land clearing to the west and additional homesites to the southwest, no significant changes appear on the subject or immediately adjoining properties.

1969 Historical Aerial Photograph

Other than construction of a homesite and additional clearing in the northern portion of the subject property, the appearance of homesites to the southwest, no significant changes appear on the subject or immediately adjoining properties.

1974 Historical Aerial Photograph

Other than a residential subdivision adjoining to the west, no significant changes appear on the subject or immediately adjoining properties.

1978 Historical Aerial Photograph

Other than some clearing on the western portion of the subject property and additional buildings offsite to the northeast and east, no significant changes appear on the subject or immediately adjoining properties.

1984 Historical Aerial Photograph

Aside from the development of the lands for nursery operations, conversions for residential use to the west and the appearance of Southfork Dive to the west, no significant changes appear on the subject or immediately adjoining properties.

1990 Historical Aerial Photograph

Aside from the appearance of expansion of the onsite nursery operations, a rural homesite in the western portion of the property, and a residential subdivision to the northwest no significant changes appear on the subject or immediately adjoining properties. The subject site appears idle and no longer in use for citrus production at this time.

1995 Historical Aerial Photograph

No significant changes appear on the subject or immediately adjoining properties.

1999 Historical Aerial Photograph

No significant changes appear on the subject or immediately adjoining properties.

2002 Historical Aerial Photograph

No significant changes appear on the subject or immediately adjoining properties.

2006 Historical Aerial Photograph

No significant changes appear on the subject or immediately adjoining properties.

2010 Historical Aerial Photograph

Other than clearing of the northern adjoining property for a residential subdivision, no significant changes appear on the subject or immediately adjoining properties.

2014 Historical Aerial Photograph

Aside from the construction of a large paved roadway where the current West Orange Blossom Trail off and on ramp exist on the southern adjoining properties, no significant changes appear on the subject or immediately adjoining properties.

2017 Historical Aerial Photograph

Aside from the appearance of the U.S. Highway 441/State Road 429 Connector Road, no significant changes appear on the subject or immediately adjoining properties.

2019 Historical Aerial Photograph

Aside from commencement of construction of State Road 429 to the west, no significant changes appear on the subject or immediately adjoining properties.

2022 Historical Aerial Photograph

All debris and historic agricultural and nursery implements have removed. Open areas of the site have been stripped. Aside from that, no significant changes appear on the subject or immediately adjoining properties.

4.3.2 Historical Sanborn Maps

Sanborn Fire Insurance Maps were produced for the fire insurance industry from 1876 through 1961, with photo revisions continuing until 1975. These maps show buildings and their associated land uses down to parcel and lot within many U.S. towns and cities (mostly concentrated to urbanized areas). Therefore, these fire maps can be very useful in identifying potential environmental concerns associated with past land uses during periods prior to and overlapping with, the advent of aerial photography.

A search for Sanborn Fire Insurance Maps for the location in which the subject property is situated was not conducted, as it is known by BTC that this is an unmapped area.

4.3.3 Historical City Directory Information

Based on the positive identification of past uses of the subject property identified through review of historical aerial photographs (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site), a search of available city directories was not conducted as part of this assessment.

4.3.4 Historical Topographic Maps

Based on historical topographic maps reviewed, it appears that structures existed in the southwestern and northwestern portions of the site at the time of the publications for 1960. This is consistent with historical aerial photographs reviewed.

Based on historical topographic maps reviewed, it appears that ten (10) landmark structures existed on the subject site at the time of the publications for 1960. It is assumed these structures are the residential dwellings that currently exist, as well as associated accessory buildings. Based on Orange County Property Appraiser records reviewed by BTC as part of this assessment, as well as observations during our site visit, the structures that currently exist on the property appear to have been constructed by the 1950s.

4.4 Physical Setting Characteristics

Based upon a review of the USGS Topographic Map presented in Figure 3 (Apopka, Florida Quadrangle – 1960/Photorevised 1980), the subject lands appear to have a fair amount of fall, with elevations ranging between 154 and down to nearly 100 feet above the National Geodetic Vertical Datum of 1929 (NGVD). In general, it would appear that the subject parcel slopes gradually towards the south, as well as towards the depressional area in the north.

4.4.1 Stormwater Drainage

It appears that run-off from the subject property drains to the south portion of the site, as well as northwest towards a lower, depressional area. Due to the relief which exists in the vicinity of the subject property, as well as physical and stormwater management features present in the area, off-site run-off likely enters the site from the north.

4.4.2 Groundwater

The groundwater hydrology of Central Florida can be described in terms of the nature and relationship of three basic aquifers – the surficial-, the intermediate-, and the Floridan aquifers.

The surficial aquifer is highly permeable and includes the local water table. In general, the sands of the surficial aquifer extend to depths of 40 to 70 feet. The surficial aquifer sits atop the much less permeable intermediate aquifer, consisting of the Hawthorn Group and various confining beds. The Hawthorn Group is characterized by low permeability clays and ranges in thickness from nearly absent in some locations to greater than 100 feet. Beneath this intermediate aquifer is the Floridan Aquifer, consisting of a limestone formation, which may be several thousand feet thick at various locations. The limestone formation, which is the primary source of drinking water in Central Florida, is highly permeable due to the presence of large interconnected channels and cavities throughout the rock. The amount of groundwater flow between the surficial and Floridan aquifers is dependent on the thickness and consistency of the Hawthorn clay confining beds, which as previously stated varies widely throughout Central Florida.

Although no test borings were performed by BTC during the assessment of the property, the following presents a general description of the expected hydrogeology in the vicinity of the subject property:

Groundwater in the immediate vicinity of the subject property is assumed to follow, more-or-less, ground surface topography. Based solely on the topographic information presented in Figure 3, it is inferred that the shallow groundwater in the vicinity of the subject property flows towards the south and north or northwest towards the depressional area. Due to the relief which exists in the vicinity of the subject property, it appears off-site groundwater could likely enter the site from north. Based on the above assumptions, and information obtained from EDR and the FDEP, there appear to be no significant issues of concern regarding contaminated sites located in the vicinity of the subject property.

SECTION 5.0
SITE RECONNAISSANCE

Inspection of the subject and adjoining properties was performed in April of 2022. The objective of this site visit was to visually/physically identify RECs in connection with the subject property. Photographs documenting conditions found at the subject site are included as Appendix C. Our observations and findings resulting from the reconnaissance are provided below.

5.1 Methodology and Limiting Conditions

The site visit included a pedestrian inspection of the subject property and visual observations of adjacent properties. The properties were investigated for any evidence of the following items as part of the assessment:

- **Hazardous Substance in Connection with Identified Uses**
- **Hazardous and Unidentified Substance Containers**
- **Storage Tanks**
- **Indication of PCBs**
- **Indication of Solid Waste Disposal**
- **Stained Soils or Pavement**
- **Stressed Vegetation**
- **Odors**
- **Pools of Liquid**
- **Domestic/Sanitary Waste Handling**
- **Ponds, Lagoons or Pits**
- **Wells**

All areas located within the subject property boundaries were accessible, allowing a full and complete investigation of the site as described herein.

5.2 General Site Setting

5.2.1 General Exterior Observations

The site investigation began with an inspection of the subject property and boundaries and continued with a pedestrian survey of the adjoining properties. A vehicle survey was conducted of facilities of interest from the EDR Radius Map Report. Access to the site was gained via Dew Berry Avenue, which exists along the southern property boundary.

At the time of the site investigation the subject property appeared as vacant lands with no identifiable use evident. There were no structures identified on the site during the investigation conducted. There were no observations of past releases, ongoing discharges and/or significant threats of releases to the environment identified in association with the current uses of the exterior portions of the subject property during the investigation conducted.

5.2.2 General Interior Observations

As there were no structures identified on the subject property during the investigation completed, interior observations are not applicable.

5.3 Hazardous Substance in Connection with Identified Uses

There were no hazardous substances observed in connection with identified uses of the subject property during the investigation conducted.

5.4 Hazardous and Unidentified Substance Containers

There were no hazardous or unidentified substance containers identified on the subject site during the investigation.

5.5 Storage Tanks

There were no ASTs or evidence of USTs identified on the subject site during the investigation.

5.6 Indication of PCBs

Polychlorinated biphenyls have been used in power transformers and capacitors due to their excellent heat exchange and dielectric properties. However, this group of compounds was determined to be carcinogenic and their production was banned in the US in 1979. Consequently, distribution of transformers containing PCBs was phased out in the 1980s. Other potential sources of PCBs include older hydraulic machinery (such as are associated with elevators and lift equipment). Although PCB-type transformers and hydraulic components have been replaced in the time since, an unknown number have been allowed to stay in service for the duration of their life-cycles.

There were no potential sources of PCBs identified on the subject site during the investigation.

5.7 Indication of Solid Waste Disposal

There were no indications of solid waste disposal identified on the subject site during the investigation.

5.8 Stained Soils or Pavement

There were no indications of stained soils or pavement identified on the subject site during the investigation.

5.9 Stressed Vegetation

There were no indications of stressed vegetation identified on the subject site during the investigation.

5.10 Odors

There were no unusual odors identified on the subject site during the investigation.

5.11 Pools of Liquid

There were no pools of liquid observed on the subject site during the investigation.

5.12 Domestic/Sanitary Waste Handling

Based on observations during the site visit, it appeared that domestic/sanitary wastes were not being generated on the subject property.

5.13 Ponds, Lagoons and Pits

Other than the depressional area in the northern portion of the site, there were no ponds, lagoons or pits identified on the subject site during the investigation.

5.14 Wells

There were no wells, nor indications of abandoned or sealed wells, observed on the subject property during the investigation.

5.15 Adjoining Property Observations

In general, the subject property is situated in a former agricultural and residential use area, including homesites, which is currently in transition for larger scale mixed-use development. Historically the area appears to have been comprised mostly of lands associated with agricultural uses (citrus production and possibly some pastureland uses), undeveloped naturally vegetated uplands and residential homesites from prior to 1947 through to the 1980s. In the 1980s, former citrus areas were converted into undeveloped lands and residential homesites. In the 2000s the area started to see a decrease in agricultural usage and an increase in large-scale residential development, with State Road 429 immediately east of the subject property. Since that time, residential uses have increased in the area with a continued decrease in undeveloped lands and lands utilized for agricultural purposes.

Currently adjoining the subject property are lands associated with residential subdivisions (north and west), lands associated with a single-family homesite (southwest) and the State Road 429 right-of-way (east and south). No significant issues of concern to this assessment were observed in association with any of the adjoining properties during the site visit conducted as part of this site assessment.

SECTION 6.0
INTERVIEWS

The objective of interviews conducted in order to comply with ASTM E 1527-13 is to obtain information indicating RECs in connection with the subject site. In addition to the user of the Phase I ESA and present owner of the site, BTC makes reasonable attempts to conduct interviews with parties it believes could provide useful information regarding potential RECs. Parties to be interviewed are determined based on the past/present uses identified and their availability for interview within reasonable timeframes. Parties such as occupants, site managers, local government officials and past owners are interviewed, when possible, based on their potential to provide relevant information.

6.1 Interview with Owners

At the present time the recorded owner of the subject property is Collier Benge Land Joint Venture LLC. BTC made contact with a representative for this entity in the timeframe allotted for this assessment. Based on information obtained from the owner, as well as public records and historical aerials reviewed, it appears that the current owner has been associated with the property for approximately three (3) years (May 2019 to present). The current owner has undertaken efforts to ensure that the site is clean and developable, by eliminating historic debris, remaining agricultural implements and stripping the open areas.

Based on additional responses from the owner, the current owner has no knowledge of any past or present storage tanks on the parcel, any past or present chemical use or storage on the site, or any cattle dip vats that existed on the property. The owner also has no knowledge of any spills or chemical releases that have taken place at the site or any environmental cleanups that have occurred on the property. In addition, the owner has no knowledge of any environmental liens and/or AULs associated with the site. Further, the current owner has never been informed by any nearby property owners or the FDEP about groundwater contamination that may be migrating onto the property from off-site sources based on the completed questionnaire.

6.2 Interviews with Past Owners

Interviews with past owners were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site) and the length of time associated with the current ownership, interviews with past owners were not considered necessary as part of this investigation. The absence of past owner provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

6.3 Interviews with Local Governmental Officials

Interviews with local governmental officials were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site), interviews with local governmental officials were not considered necessary as part of this investigation. The absence of local governmental officials provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

6.4 Interviews with Others

Based on information obtained and assumed by BTC through the course of this investigation, additional interviews were not performed or considered necessary for this assessment.

SECTION 7.0
FINDINGS, OPINIONS, DATA GAPS AND CONCLUSIONS

The following summarizes the findings, opinions and conclusions representing BTC's best professional judgment based on information and data available to us during the course of this assessment. Included in this section are a list of data gaps encountered, as well as a summary of both our findings and of potential RECs, whether historical (HREC), controlled (CREC) or recognized (REC), and *de minimis* conditions.

7.1 Findings

The following summarizes the findings representing BTC's best professional judgment based on information and data available to us during the course of this assessment.

In general, the subject site is situated in a former agricultural and residential use area, including homesites, and residential subdivisions. Historically the area appears to have been comprised mostly of lands associated with agricultural uses (citrus groves, nurseries and possibly some pastureland uses), undeveloped naturally vegetated uplands and wetlands and residential homesites from prior to 1947 through to the present time. In the 2000s the area started to see a decrease in agricultural usage and an increase in large-scale residential development. Since that time, residential uses have dominated the area with a continued decrease in undeveloped lands and lands utilized for agricultural purposes. At the time of the site investigation the subject property appeared as vacant lands with no identifiable use. Currently adjoining the subject property are lands associated with residential subdivisions (north and west), lands associated with single-family homesites (southwest) and the State Road 429 right-of-way (east and south).

There were no observations of significant past releases, ongoing discharges and/or significant threats of releases to the environment identified in association with the past uses/current uses of the subject site during the inspection conducted. Based on interviews conducted, as well as a review of historical aerial photographs dating back to 1947, it appears that uses of the site have been limited to citrus production (grove) and nursery, with limited rural residential uses. Historical aerial review dating back to 1947 indicates that adjoining lands were, for the most part, undeveloped or utilized for agricultural endeavors (citrus production and pastureland use) from prior to the late 1940s through the early 1980s. As citrus production declined in the area, other agricultural uses increased. Rural, residential and larger-scale residential developments uses have also appeared in the area since that time. At the present time, the general area is a mixture of rural, residential and larger-scale residential development uses with limited agricultural uses. No heavy industrial uses on the properties immediately adjoining the subject site were identified on the available aerial photographs reviewed. There were no items of note or issues of concern to this assessment observed in association with the past uses of the subject property or immediately adjoining lands during the investigation.

A review of standard and additional Federal and State environmental records revealed one (1) area State SWF/LF sites listings (Shalom Tire and Auto Service), three (3) area State LUST listings (Fiskars Brands Inc., Diamond Food Mart and Southland Garden Nursery) and two (2) area RESP PARTY listings (Fiskars Brands Inc. and Progress Energy SARAP Plymouth) within radii of the subject site that were deemed appropriate for the area conditions.

7.2 Opinions

The following presents BTC opinion(s) of the data gaps encountered, as well as the impact on the subject property of conditions identified in Section 7.1 (Findings). This section details BTC's logic and reasoning in evaluating information collected during the course of investigation. Frequently, items initially considered to be a REC are subsequently determined, upon further evaluation, to not be considered a REC.

As noted in our findings, there were no observations of past releases, ongoing discharges or significant threats of releases to the environment or other issues of concern to this assessment identified in association with the current uses of the subject site or immediately adjoining lands during the inspection conducted. In addition, no significant issues of concern to this assessment were revealed in association with the past uses of the subject site or immediately adjoining lands during the investigation conducted.

A review of standard and additional Federal and State environmental records revealed one (1) area State SWF/LF sites listings (Shalom Tire and Auto Service), three (3) area State LUST listings (Fiskars Brands Inc., Diamond Food Mart and Southland Garden Nursery) and two (2) area RESP PARTY listings (Fiskars Brands Inc. and Progress Energy SARAP Plymouth) within radii of the subject site that were deemed appropriate for the area conditions; however, these listings do not appear significant to the subject site and this assessment at this time based on public file information reviewed.

Based on the above findings and opinions, this assessment revealed no RECs, no CRECs and no HRECs in connection with the subject property or adjoining properties that would warrant further investigation at this time.

7.3 Data Gaps

The following data gaps were encountered by BTC during the course of the Phase I ESA:

- Historical ownership (chain-of-title) information was not provided to BTC by the user of this assessment. The absence of historic ownership information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources. Based on a review of available historical aerial photographs (dating from 1947 through 2022), as well as information gathered via interviews and during our site visit, it appears that past/present owners of the site, to at least the mid-1940s, have only used the property for agricultural and residential uses (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site). Based on this information, it appears that no past owners of the site represented entities of heavy industrial, chemical production, or waste disposal repositories.

- Interviews with past owners were not conducted as part of this assessment. Based on the past uses of the site identified through the course of this investigation (no developed uses other than for agricultural purposes for citrus production and nursery, along with rural, residential uses identified on-site) and the length of time associated with the current ownership, interviews with past owners were not considered necessary as part of this investigation. The absence of past owner provided information does not appear to significantly affect the ability of BTC to identify RECs in connection with the site due to the availability of relevant information from other sources.

- As required by ASTM E 1527-13 (8.3.2), a definitive identification of obvious uses of the subject property from the present back to the property's first developed use, or back to 1940, whichever is earlier, was not achievable during the course of this assessment. This was due to the availability of reasonably ascertainable standard historical sources for the area (historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, property tax files, land title records, local street directories, etc...). Our review of available historical resources only identified information for the site and immediate area dating back to 1947, at which time the subject property appeared undeveloped and/or in agricultural use. It was assumed by the environmental professional that the noted use of the site for agriculture was the first "developed" use based on limited local knowledge. Based on this, and in the opinion of the environmental professional, this data gap does not constitute a data failure with regards to this assessment.

7.4 Conclusions

BTC has performed a Phase I ESA, in general conformance with the scope and limitations of ASTM Practice E 1527-13, of the seventeen (17) parcels, identified by Orange County as #36-20-27-0000-00-047, #36-20-27-0000-00-048, #36-20-27-0000-00-052, #36-20-27-0000-00-066, #36-20-27-0000-00-068, #36-20-27-0000-00-074, #36-20-27-0000-00-075, #36-20-27-0000-00-083, #36-20-27-0000-00-085, #36-20-27-0000-00-093, #06-21-28-7172-16-020, #06-21-28-7172-16-030, #06-21-28-7172-16-040, #06-21-28-7172-16-050, #06-21-28-7172-16-051, #06-21-28-7172-16-060, and #06-21-28-7172-16-070, which comprise the approximately 73.82-acre Collier - Apopka Site, the subject property. Any exceptions to, or deletions from, this practice are described in Section 2.8 of this report. This assessment has revealed no RECs, no CRECs and no HRECs in association with the subject property.

SECTION 8.0
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312.

and

I have specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject site. I have developed and performed the all-appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312.



John Miklos
President

SECTION 9.0
ADDITIONAL SERVICES

No additional services, outside the scope of ASTM International's Standard Practice E 1527-13, were requested by the user of this assessment.

SECTION 10.0
REFERENCES

The following is a list of literature, agencies and/or individuals utilized in the preparation of this report.

1. SSURGO Soils Map of Orange County, Florida, United States Department of Agriculture, Natural Resource Conservation Service

2. Hydric Soils of Florida Handbook (4th ed.) - Florida Association of Environmental Soil Scientist, Gainesville, FL 32635

3. Environmental Data Resources, Inc.

4. USGS 7.5 Minute Topographic Map – Apopka, Florida Quadrangle – 1960

5. USGS 7.5 Minute Topographic Map – Apopka, Florida Quadrangle – 1960 (Photorevised 1980)

6. ASTM International's Standard E 1527-13: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

7. Florida Department of Environmental Protection's Division of Waste Management OCULUS System

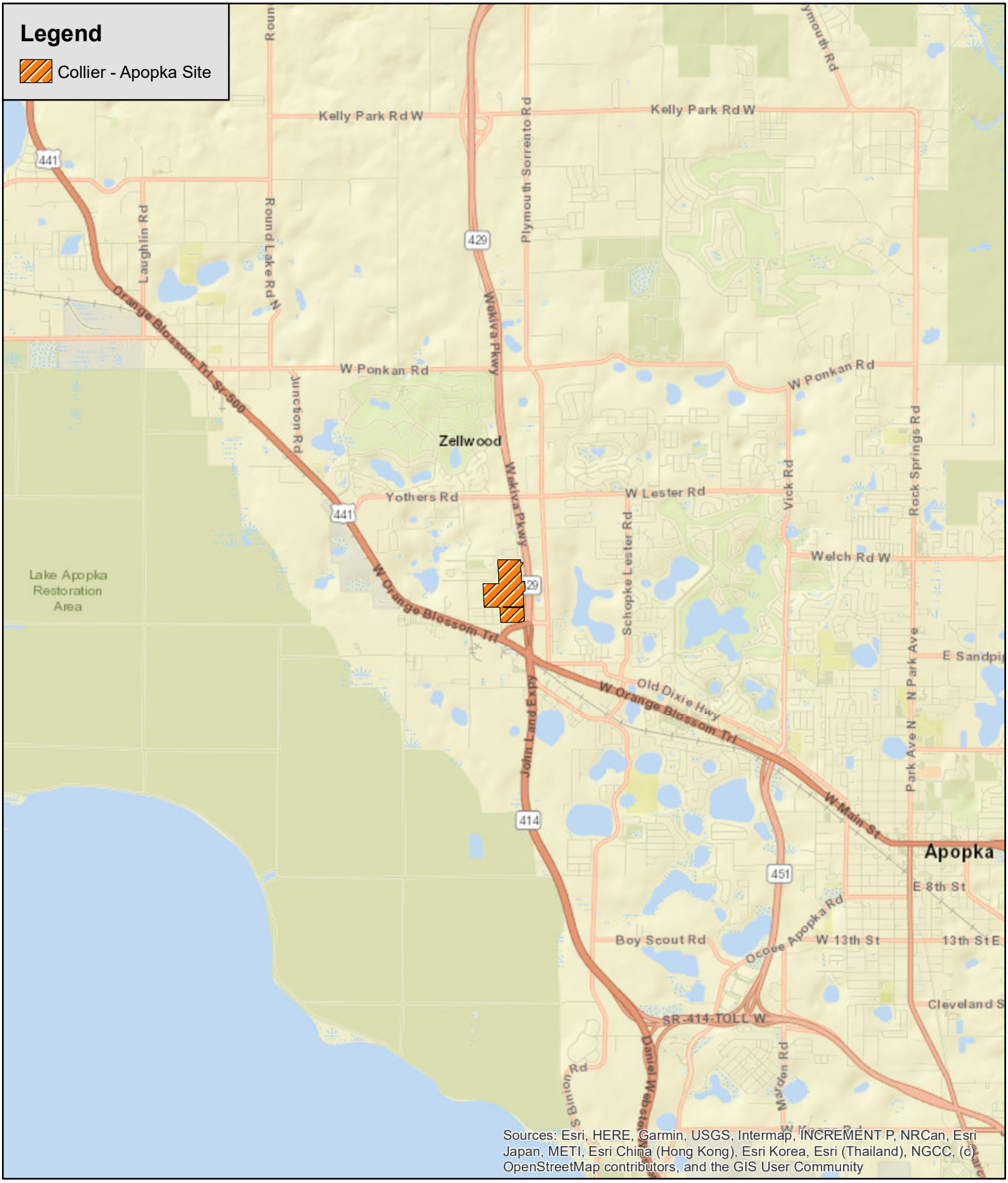
8. University of Florida - Publication of Archival, Library & Museum Materials

9. Florida Department of Transportation

10. Woodward and Clyde Consultants (1995) Cattle dip vat assessment program: A summary report. Prepared for the Florida Department of Environmental Protection.

11. Michael R. Clark, Dames & Moore, Dipping Vat Removal-Limiting Liability. Tallahassee, Florida

Figures



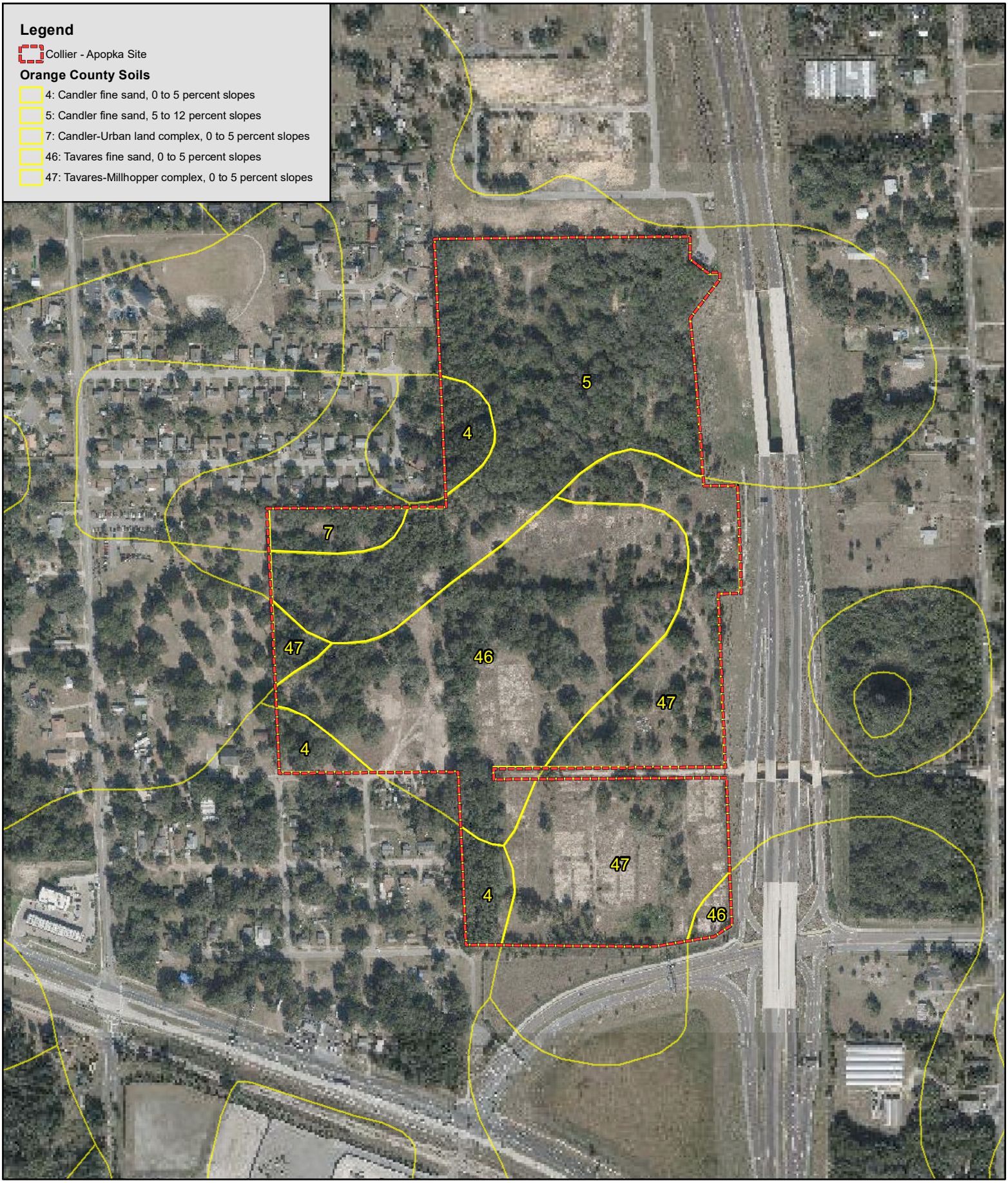
Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

Collier - Apopka Site
Orange County, Florida
Figure 1
Location Map

N
W E
S

1
Miles

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Figure 2
SSURGO Soils Map

N
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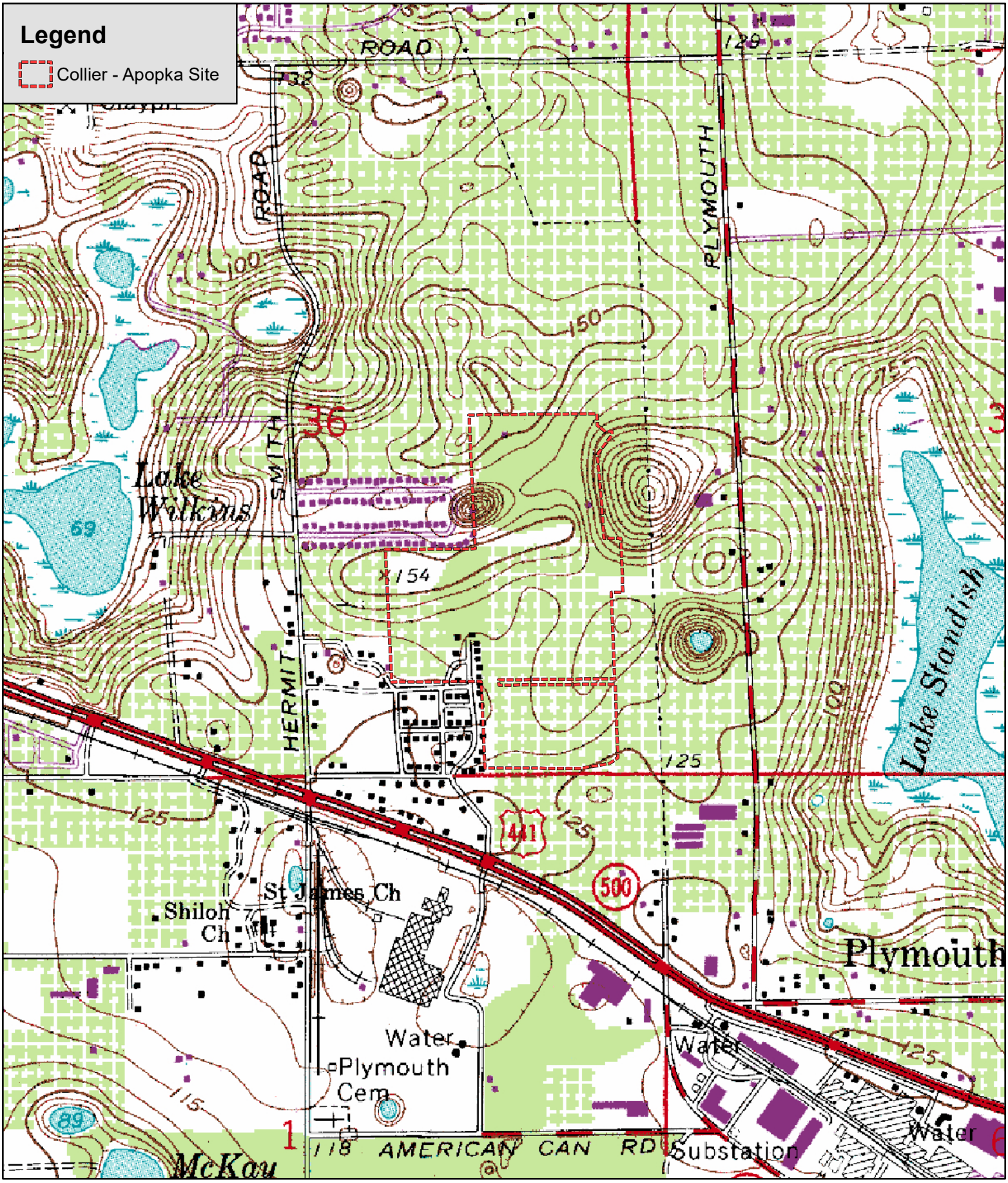
500
Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Figure 3
USGS Topographic Map

N
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1,000
Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Figure 4
EDR Site Search Map

N
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Project #: 303-17
Produced By: JDH
Date: 4/4/2022

Appendices

Appendix A

Environmental Data Resources, Inc.
EDR Radius Map Report

Collier - Apopka Site
3162 Southfork Drive
Apopka, FL 32712

Inquiry Number: 6925306.2s
April 04, 2022

The EDR Radius Map™ Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

FORM EDP DVV

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	56
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3162 SOUTHFORK DRIVE
APOPKA, FL 32712

COORDINATES

Latitude (North):	28.6991620 - 28ˆ 41' 56.98''
Longitude (West):	81.5613520 - 81ˆ 33' 40.86''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	445165.2
UTM Y (Meters):	3174610.5
Elevation:	133 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11610128 APOPKA, FL
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20151123
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
3162 SOUTHFORK DRIVE
APOPKA, FL 32712

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	COPART OF CONNECTICU	3352 W ORANGE BLOSSO	AST	Lower	731, 0.138, SW
A2	SHALOM TIRE & AUTO S	3355 WEST ORANGE BLO	SWF/LF	Lower	734, 0.139, WSW
3	RACETRAC#2543	1102 HERMIT SMITH RD	UST, Financial Assurance	Lower	855, 0.162, West
4	GAINEY CORP FUEL SPI	1087 PLYMOUTH SORREN	TANKS	Lower	1050, 0.199, East
B5	FISKARS BRANDS INC	3000 W ORANGE AVE	LUST, AST, DWM CONTAM, Financial Assurance, TIER...	Lower	1794, 0.340, SSE
B6	FISKARS BRANDS, INC.	3000 WEST ORANGE AVE	DWM CONTAM, RESP PARTY	Lower	1794, 0.340, SSE
B7	PROGRESS ENERGY SARA	3001 WEST ORANGE AVE	DWM CONTAM, RESP PARTY	Lower	1940, 0.367, SSE
C8	DIAMOND FOOD MART	2901 W ORANGE BLOSSO	DWM CONTAM	Lower	2249, 0.426, SE
C9	DIAMOND FOOD MART	2901 W ORANGE BLOSSO	LUST, UST, ENG CONTROLS, INST CONTROL, CLEANUP...	Lower	2249, 0.426, SE
10	SOUTHLAND GARDEN NUR	700 S HERMIT SMITH R	LUST, DWM CONTAM, Financial Assurance	Lower	2413, 0.457, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---- RCRA - Large Quantity Generators
RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

US ENG CONTROLS Engineering Controls Sites List
US INST CONTROLS Institutional Controls Sites List

Federal ERNS list

ERNS Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS Florida's State-Funded Action Sites

Lists of state and tribal leaking storage tanks

LAST Leaking Aboveground Storage Tank Listing
INDIAN LUST Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FF TANKS Federal Facilities Listing
FEMA UST Underground Storage Tank Listing
INDIAN UST Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Sites

Lists of state and tribal brownfield sites

BROWNFIELDS Brownfields Sites Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY Recycling Centers
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS Priority Ranking List
Fl Sites Sites List
US CDL National Clandestine Laboratory Register
AQUEOUS FOAM Former Fire Training Facility Assessments Listing
PFAS PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

Local Land Records

LIENS 2 CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Oil and Hazardous Materials Incidents
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
AIRS	Permitted Facilities Listing
ASBESTOS	ASBESTOS
CLEANUP SITES	DEP Cleanup Sites - Contamination Locator Map Listing
DEDB	Ethylene Dibromide Database Results
DRYCLEANERS	Drycleaning Facilities
Financial Assurance	Financial Assurance Information Listing
FL Cattle Dip. Vats	Cattle Dipping Vats

HW GEN ---------- Hazardous Waste Generators
SITE INV SITES ---------- Site Investigation Section Sites Listing
TIER 2 ---------- Tier 2 Facility Listing
UIC ---------- Underground Injection Wells Database Listing
NPDES ---------- Wastewater Facility Regulation Database
MINES MRDS ---------- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's Facility Directory (Solid Waste Facilities).

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHALOM TIRE & AUTO S	3355 WEST ORANGE BLO	WSW 1/8 - 1/4 (0.139 mi.)	A2	8

Database: SWF/LF, Date of Government Version: 01/10/2022

Facility-Site Id: 101358
Class Status: EXEMPT FROM SW PERMITTING/REGISTRATION (E)

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 11/03/2021 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FISKARS BRANDS INC	***3000 W ORANGE AVE***	***SSE 1/4 - 1/2 (0.340 mi.)***	***B5***	***15***
Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 9503025				
DIAMOND FOOD MART	***2901 W ORANGE BLOSSO***	***SE 1/4 - 1/2 (0.426 mi.)***	***C9***	***35***
Discharge Cleanup Status: RA - RA ONGOING Facility Status: OPEN Facility-Site Id: 8513126				
SOUTHLAND GARDEN NUR	***700 S HERMIT SMITH R***	***SW 1/4 - 1/2 (0.457 mi.)***	***10***	***53***
Discharge Cleanup Status: NFAC - NO FURTHER ACTION WITH CONDITIONS Facility Status: CLOSED Facility-Site Id: 9601585				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. Shortly after the September 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RACETRAC#2543	***1102 HERMIT SMITH RD***	***W 1/8 - 1/4 (0.162 mi.)***	***3***	***9***
Database: UST, Date of Government Version: 11/16/2021 Tank Status: U Facility-Site Id: 9817033 Facility Status: OPEN				

AST: Shortly after the Sept 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COPART OF CONNECTICU	3352 W ORANGE BLOSSO	SW 1/8 - 1/4 (0.138 mi.)	A1	8
Database: AST, Date of Government Version: 11/16/2021				
Facility-Site Id: 9816362				
Facility Status: OPEN				
Facility Status: OPEN				

TANKS: This listing includes storage tank facilities that do not have tank information. The tanks have either be closed or removed from the site, but the facilities were still registered at some point in history.

A review of the TANKS list, as provided by EDR, and dated 11/16/2021 has revealed that there is 1 TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAINEY CORP FUEL SPI	1087 PLYMOUTH SORREN	E 1/8 - 1/4 (0.199 mi.)	4	14
Facility Status: CLOSED				
Facility ID: 9801558				

State and tribal institutional control / engineering control registries

ENG CONTROLS: The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass avariety of engineered remedies to contain and/or reduce , contamination , and/or physical barriers intended to limit access to property ECs include fences, signs, guards, landfill caps, provision of potable water , slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

A review of the ENG CONTROLS list, as provided by EDR, and dated 12/08/2021 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIAMOND FOOD MART	***2901 W ORANGE BLOSSO***	***SE 1/4 - 1/2 (0.426 mi.)***	***C9***	***35***
Facility-Site Id: 9802872				

INST CONTROL: The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

A review of the INST CONTROL list, as provided by EDR, and dated 12/08/2021 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIAMOND FOOD MART	***2901 W ORANGE BLOSSO***	***SE 1/4 - 1/2 (0.426 mi.)***	***C9***	***35***

Facility-Site Id: 8513126
Facility-Site Id: 9802872
Facility-Site Id: ERIC_7284

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DWM CONTAM: A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

A review of the DWM CONTAM list, as provided by EDR, and dated 11/30/2021 has revealed that there are 5 DWM CONTAM sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FISKARS BRANDS INC Program Site Id: 9503025	***3000 W ORANGE AVE***	***SSE 1/4 - 1/2 (0.340 mi.)***	***B5***	***15***
FISKARS BRANDS, INC. Program Site Id: ERIC_12847	***3000 WEST ORANGE AVE***	***SSE 1/4 - 1/2 (0.340 mi.)***	***B6***	***30***
PROGRESS ENERGY SARA Program Site Id: ERIC_12807	***3001 WEST ORANGE AVE***	***SSE 1/4 - 1/2 (0.367 mi.)***	***B7***	***32***
DIAMOND FOOD MART Program Site Id: 8513126	2901 W ORANGE BLOSSO	SE 1/4 - 1/2 (0.426 mi.)	C8	34
SOUTHLAND GARDEN NUR Program Site Id: 9601585	***700 S HERMIT SMITH R***	***SW 1/4 - 1/2 (0.457 mi.)***	***10***	***53***

RESP PARTY: Open, inactive and closed responsible party sites

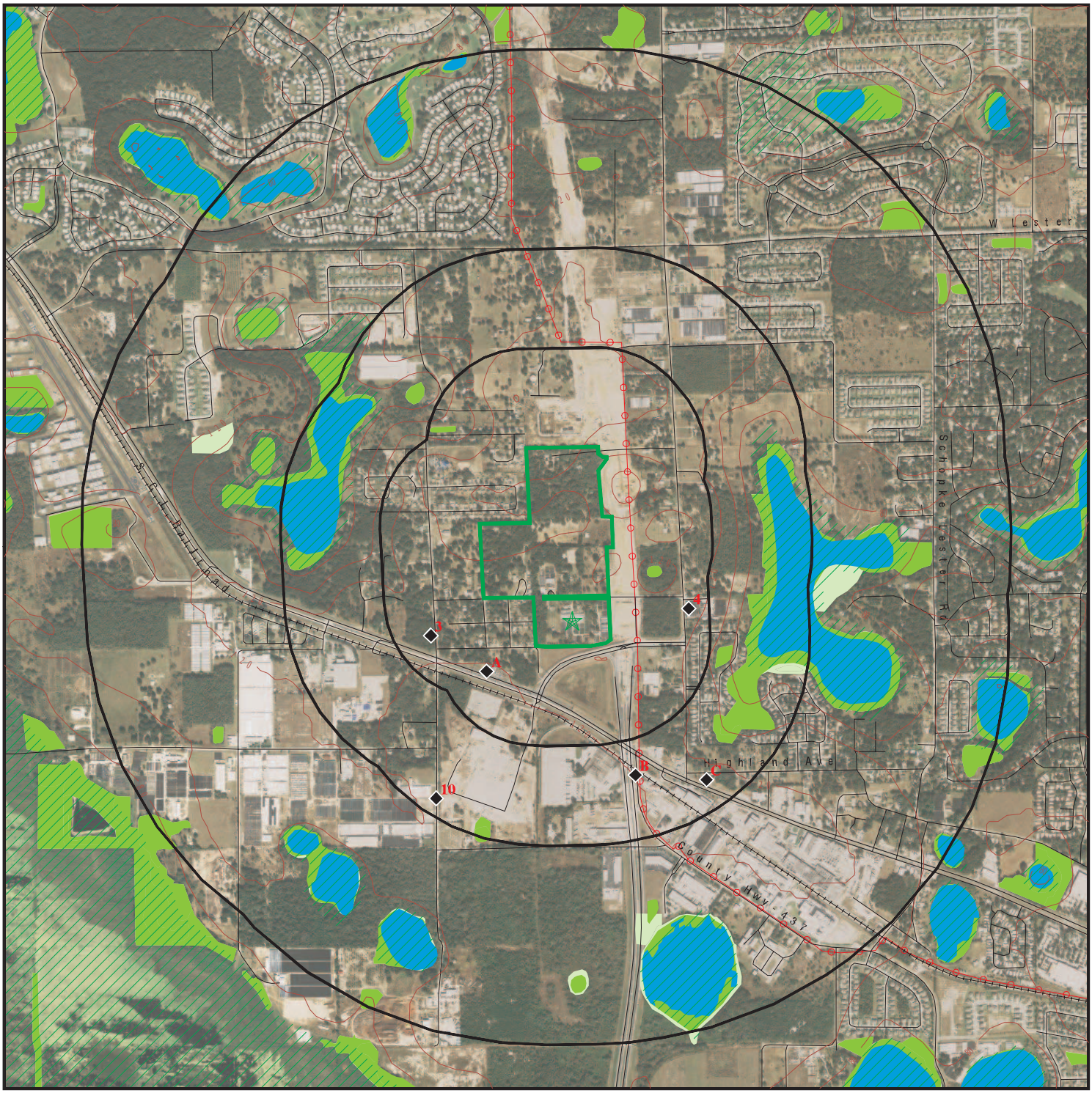
A review of the RESP PARTY list, as provided by EDR, and dated 12/01/2021 has revealed that there are 2 RESP PARTY sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FISKARS BRANDS, INC. Site Status: CLOSED	***3000 WEST ORANGE AVE***	***SSE 1/4 - 1/2 (0.340 mi.)***	***B6***	***30***
PROGRESS ENERGY SARA Site Status: CLOSED	***3001 WEST ORANGE AVE***	***SSE 1/4 - 1/2 (0.367 mi.)***	***B7***	***32***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6925306.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Collier - Apopka Site ADDRESS: 3162 Southfork Drive Apopka FL 32712 LAT/LONG: 28.699162 / 81.561352	CLIENT: Bio-Tech Consulting, Inc. CONTACT: Joe Galletti INQUIRY #: 6925306.2s DATE: April 04, 2022 12:02 pm

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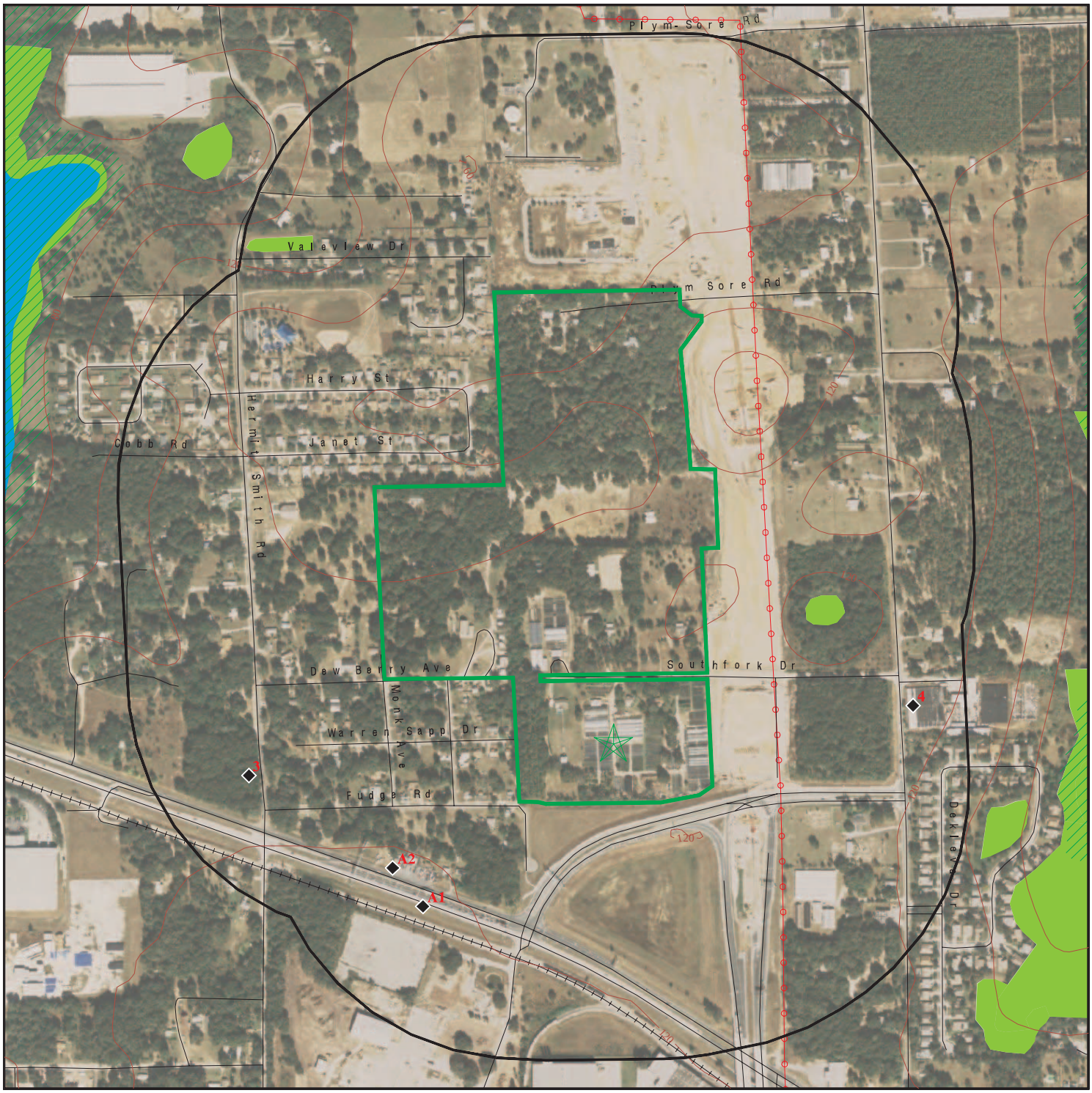
DETAIL MAP - 6925306.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

FL Brownfield

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Collier - Apopka Site	CLIENT:	Bio-Tech Consulting, Inc.
ADDRESS:	3162 Southfork Drive Apopka FL 32712	CONTACT:	Joe Galletti
		INQUIRY #:	6925306.2s
LAT/LONG:	28.699162 / 81.561352	DATE:	April 04, 2022 12:03 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	1	0	NR	NR	1
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	3	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FF TANKS	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	1	NR	NR	1
INST CONTROL	0.500		0	0	1	NR	NR	1
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	0	NR	NR	0
Fl Sites	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CLEANUP SITES	0.001		0	NR	NR	NR	NR	0
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500		0	0	5	NR	NR	5
Financial Assurance	0.001		0	NR	NR	NR	NR	0
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RESP PARTY	0.500		0	0	2	NR	NR	2
SITE INV SITES	0.500		0	0	0	NR	NR	0
TIER 2	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	4	12	0	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **COPART OF CONNECTICUT INC** **AST** **A100462688**
SW **3352 W ORANGE BLOSSOM TRL** **N/A**
1/8-1/4 **APOPKA, FL 32712**
0.138 mi.
731 ft. **Site 1 of 2 in cluster A**

Relative:
Lower

Actual:
118 ft.

AST:

Name:	COPART OF CONNECTICUT INC
Address:	3352 W ORANGE BLOSSOM TRL
Facility ID:	9816362
Facility Status:	OPEN
Type Description:	Fuel user/Non-retail
Facility Phone:	4078840999
DEP Contractor Own:	P
Region:	STATE
Positioning Method:	Not reported
Lat/Long (dms):	Not reported

Owner:

Owner Id:	63399
Owner Name:	COPART INC
Owner Address:	14185 DALLAS PKWY #300
Owner Address 2:	ATTN: TAX DEPT
Owner City,St,Zip:	DALLAS, TX 75254
Owner Contact:	JOE O'LEARY
Owner Phone:	7076395000

Tank Id:	Not reported
Status:	In service
Status Date:	01/01/2017
Install Date:	1/1/2017
Substance:	Vehicular diesel
Content Description:	Vehicular Diesel
Gallons:	650
Tank Location:	ABOVEGROUND

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A2 **SHALOM TIRE & AUTO SERVICE** **SWF/LF** **S113724506**
WSW **3355 WEST ORANGE BLOSSOM TRAIL** **N/A**
1/8-1/4 **APOPKA, FL 32712**
0.139 mi.
734 ft. **Site 2 of 2 in cluster A**

Relative:
Lower

Actual:
119 ft.

SWF/LF:

Name:	SHALOM TIRE & AUTO SERVICE
Address:	3355 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility ID:	101358
District:	CD
Lat/Long:	28:41:50.8624 / 81:33:52.6978
Class Type:	751
Classification:	WASTE TIRE COLLECTION CENTER
Class Status:	EXEMPT FROM SW PERMITTING/REGISTRATION (E)
Section:	Not reported
Township:	Not reported
Range:	Not reported
Responsible Authority Name:	Not reported

SHALOM TIRE & AUTO SERVICE (Continued) **S113724506**

Responsible Authority Address:	Not reported
Responsible Authority City,St,Zip:	Not reported
Responsible Authority Phone:	Not reported
EMail Address1:	Not reported
EMail Address2:	Not reported
Site Supervisor Name:	Not reported
Site Supervisor Addr:	Not reported
Site Supervisor City/State/Zip:	Not reported
Site Supervisor Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City/State/Zip:	Not reported
Land Owner Telephone:	Not reported

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3 **RACETRAC#2543** **UST** **U004312000**
West **1102 HERMIT SMITH RD** **Financial Assurance** **N/A**
1/8-1/4 **APOPKA, FL 32712**
0.162 mi.
855 ft.

Relative:
Lower

Actual:
125 ft.

UST:

Facility Id:	9817033
Facility Status:	OPEN
Type Description:	Retail Station
Facility Phone:	7704317600
Region:	STATE
Positioning Method:	Not reported
Lat/Long (dms):	Not reported

Owner:

Owner Id:	17748
Owner Name:	RACETRAC PETROLEUM INC
Owner Address:	200 GALLERIA PKWY SE
Owner Address 2:	STE 900
Owner City,St,Zip:	ATLANTA, GA 30339
Owner Contact:	JORDAN WOODFIN
Owner Phone:	7704317600

Tank Info:

Name:	RACETRAC#2543
Address:	1102 HERMIT SMITH RD
City:	APOPKA
Zip:	32712
Tank Id:	1
Status:	In service
Status Date:	04/01/2019
Install Date:	4/1/2019
Substance:	Unleaded gas
Content Description:	Unleaded Gas
Gallons:	10000
Vessel Indicator:	TANK
Tank Location:	UNDERGROUND
DEP Contractor:	P

Construction:

Tank Id:	1

RACETRAC#2543 (Continued) **U004312000**

Construction Category: Overfill/Spill
Construction Description: Flow shut-Off

Tank Id: 1
Construction Category: Secondary Containment
Construction Description: Double wall

Tank Id: 1
Construction Category: Primary Construction
Construction Description: Fiberglass

Tank Id: 1
Construction Category: Overfill/Spill
Construction Description: Tight fill

Tank Id: 1
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 1
Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Monitoring:
Tank ID: 1
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 1
Monitoring Description: Electronic monitor dispenser liners

Tank ID: 1
Monitoring Description: Continuous electronic sensing

Tank ID: 1
Monitoring Description: Monitor dbl wall tank space

Tank ID: 1
Monitoring Description: Electronic line leak detector

Tank ID: 1
Monitoring Description: Monitor dbl wall pipe space

Piping:
Tank ID: 1
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

Tank ID: 1
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Tank ID: 1
Piping Category: Secondary Containment
Piping Description: Double wall

Tank ID: 1

RACETRAC#2543 (Continued) **U004312000**

Piping Category: Primary Construction
Piping Description: Fiberglass

Name: RACETRAC#2543
Address: 1102 HERMIT SMITH RD
City: APOPKA
Zip: 32712
Tank Id: 2
Status: In service
Status Date: 04/01/2019
Install Date: 4/1/2019
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 20000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Construction:
Tank Id: 2
Construction Category: Overfill/Spill
Construction Description: Flow shut-Off

Tank Id: 2
Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Tank Id: 2
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 2
Construction Category: Primary Construction
Construction Description: Fiberglass

Tank Id: 2
Construction Category: Overfill/Spill
Construction Description: Tight fill

Tank Id: 2
Construction Category: Secondary Containment
Construction Description: Double wall

Tank Id: 2
Construction Category: Miscellaneous Attributes
Construction Description: Compartmented

Monitoring:
Tank ID: 2
Monitoring Description: Electronic monitor dispenser liners

Tank ID: 2
Monitoring Description: Electronic line leak detector

Tank ID: 2
Monitoring Description: Continuous electronic sensing

RACETRAC#2543 (Continued) **U004312000**

Tank ID: 2
Monitoring Description: Monitor dbl wall tank space

Tank ID: 2
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 2
Monitoring Description: Monitor dbl wall pipe space

Piping:
Tank ID: 2
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

Tank ID: 2
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Tank ID: 2
Piping Category: Secondary Containment
Piping Description: Double wall

Tank ID: 2
Piping Category: Primary Construction
Piping Description: Fiberglass

Name: RACETRAC#2543
Address: 1102 HERMIT SMITH RD
City: APOPKA
Zip: 32712
Tank Id: 3
Status: In service
Status Date: 04/01/2019
Install Date: 4/1/2019
Substance: 9
Content Description: Ethanol E85
Gallons: 20000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

Construction:
Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Flow shut-Off

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Tank Id: 3
Construction Category: Miscellaneous Attributes
Construction Description: Compartmented

Tank Id: 3
Construction Category: Secondary Containment

RACETRAC#2543 (Continued) **U004312000**

Construction Description: Double wall

Tank Id: 3
Construction Category: Primary Construction
Construction Description: Fiberglass

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Tight fill

Monitoring:
Tank ID: 3
Monitoring Description: Continuous electronic sensing

Tank ID: 3
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 3
Monitoring Description: Electronic monitor dispenser liners

Tank ID: 3
Monitoring Description: Monitor dbl wall pipe space

Tank ID: 3
Monitoring Description: Monitor dbl wall tank space

Tank ID: 3
Monitoring Description: Electronic line leak detector

Piping:
Tank ID: 3
Piping Category: Primary Construction
Piping Description: Fiberglass

Tank ID: 3
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Tank ID: 3
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

Tank ID: 3
Piping Category: Secondary Containment
Piping Description: Double wall

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FL Financial Assurance 3:
Name: RACETRAC#2543

RACETRAC#2543 (Continued) **U004312000**

Address:	1102 HERMIT SMITH RD
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	9817033
Facility Phone:	7704317600
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	P
Finaincial Responsibility:	SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC
Insurance Company:	Not reported
Effective Date:	12/23/2018
Expire Date:	12/23/2019
Owner ID:	17748
Onwer Name:	RACETRAC PETROLEUM INC
Owner Address:	200 GALLERIA PKWY SE #900
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	Atlanta, GA 30339
Contact:	JORDAN WOODFIN / MAX BERMEISTER
Resp Party Phone:	7704317600

Name:	RACETRAC#2543
Address:	1102 HERMIT SMITH RD
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	9817033
Facility Phone:	7704317600
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	P
Finaincial Responsibility:	SELF-INSURANCE - LETTER FROM CHIEF FINANCIAL OFFIC
Insurance Company:	Not reported
Effective Date:	12/23/2019
Expire Date:	12/23/2020
Owner ID:	17748
Onwer Name:	RACETRAC PETROLEUM INC
Owner Address:	200 GALLERIA PKWY SE #900
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	Atlanta, GA 30339
Contact:	JORDAN WOODFIN / MAX BERMEISTER
Resp Party Phone:	7704317600

---

4 **GAINEY CORP FUEL SPILL** **TANKS** **U004145898**
East **1087 PLYMOUTH SORRENTO RD** **N/A**
1/8-1/4 **PLYMOUTH, FL 32712**
0.199 mi.
1050 ft.

Relative: **Lower**

Actual: **124 ft.**

TANKS:

Name:	GAINEY CORP FUEL SPILL
Address:	1087 PLYMOUTH SORRENTO RD
City,State,Zip:	PLYMOUTH, FL 32712
Facility ID:	9801558
Facility Phone:	7709640007
Facility Status:	CLOSED
Facility Type:	Q
Type Description:	Emergency Response Spill Site

GAINEY CORP FUEL SPILL (Continued) **U004145898**

Dep Co: P
Lat/Lon Deg Min Sec: Not reported

B5 **FISKARS BRANDS INC** **LUST** **S107718315**
SSE **3000 W ORANGE AVE** **AST** **N/A**
1/4-1/2 **APOPKA, FL 32703** **DWM CONTAM**
0.340 mi. **Financial Assurance**
1794 ft. **Site 1 of 3 in cluster B** **TIER 2**
NPDES

Relative:
Lower

Actual:
120 ft.

LUST:

Name:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
City,State,Zip:	APOPKA, FL 32703
Region:	STATE
Facility Id:	9503025
Facility Status:	CLOSED
Facility Type:	E - Industrial Plant
Facility Phone:	(407)553-4001
Facility Cleanup Rank:	Not reported
District:	Central District
Lat/Long (dms):	28 41 40 / 81 33 46
Section:	Not reported
Township:	Not reported
Range:	Not reported
Feature:	Not reported
Method:	AGPS
Datum:	Not reported
Score:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Operator:	DAVID DUNN
Name Update:	2007-06-04 00:00:00
Address Update:	2011-10-11 00:00:00

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status:	CMPL - COMPLETED
Contact:	DAVE DUNN
Contact Company:	FISKARS
Contact Address:	3000 W ORANGE AVE
Contact City/State/Zip:	APOPKA, FL 32703
Phone:	(407)553-4001
Bad Address Ind:	N
State:	FL
Zip:	32703, 3347
Score:	Not reported
Score Effective Date:	Not reported
Related Party ID:	50601
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	2000-08-16
RP Zip:	Not reported
RP Extension:	Not reported

Discharge Cleanup Summary:

Discharge Date:	8/17/1994
PCT Discharge Combined:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	SRCR - SRCR COMPLETE

FISKARS BRANDS INC (Continued) **S107718315**

Disch Cleanup Status Date: 4/11/2002
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: Not reported
Eligibility Indicator: I - INELIGIBLE
Site Manager: SMEENK_S
Site Mgr End Date: 3/6/2002
Tank Office: PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV

Contaminated Media:
Discharge Date: 8/17/1994
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Disch Cleanup Status Date: 4/11/2002
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: Not reported
Elig Indicator: I - INELIGIBLE
Site Manager: SMEENK_S
Site Mgr End Date: 3/6/2002
Tank Office: PCLP48 - ORANGE COUNTY ENVIRON
Contaminated Drinking Wells: Not reported
Contaminated Monitoring Well: Yes
Contaminated Soil: Yes
Contaminated Surface Water: Not reported
Contaminated Ground Water: Yes
Pollutant: D - Vehicular Diesel
Pollutant Other Description: Not reported
Gallons Discharged: Not reported

Task Information:
District: CD
Facility ID: 9503025
Facility Status: CLOSED
Facility Type: E - Industrial Plant -
County: ORANGE
County ID: 48
Cleanup Eligibility Status: I
Source Effective Date: 04-02-2002
Discharge Date: 08-17-1994
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Disch Cleanup Status Date: 04-11-2002
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date: 02-08-2002
SRC Review Date: 03-04-2002
SRC Completion Status: A - APPROVED
SRC Issue Date: 04-11-2002
SRC Comment: Not reported
Cleanup Work Status: COMPLETED
Site Mgr: SMEENK_S
Site Mgr End Date: 03-06-2002
Tank Office: PCLP59 - Seminole County
SR Task ID: Not reported
SR Cleanup Responsible: -
SR Funding Eligibility Type: -
SR Actual Cost: Not reported

FISKARS BRANDS INC (Continued) **S107718315**

SR Completion Date:	Not reported
SR Payment Date:	Not reported
SR Oral Date:	Not reported
SR Written Date:	Not reported
SR Soil Removal:	Not reported
SR Free Product Removal:	Not reported
SR Soil Tonnage Removed:	Not reported
SR Soil Treatment:	Not reported
SR Other Treatment:	Not reported
SR Alternate Proc Received Date:	Not reported
SR Alternate Procedure Status:	Not reported
SR Alternate Procedure Status Date:	Not reported
SR Alternate Procedure Comments:	Not reported
SA Task ID:	66388
SA Cleanup Responsible:	-
SA Funding Eligibility Type:	-
SA Actual Cost:	Not reported
SA Completion Date:	Not reported
SA Payment Date:	Not reported
RAP Task ID:	64013
RAP Cleanup Responsible ID:	-
RAP Funding Eligibility Type:	-
RAP Actual Cost:	Not reported
RAP Completion Date:	Not reported
RAP Payment Date:	Not reported
RAP Last Order Approved:	Not reported
RA Task ID:	65019
RA Cleanup Responsible:	-
RA Funding Eligibility Type:	-
RA Years to Complete:	0
RA Actual Cost:	Not reported

Click here for Florida Oculus:

AST:

Name:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
Facility ID:	9503025
Facility Status:	CLOSED
Type Description:	Industrial Plant
Facility Phone:	4075534001
DEP Contractor Own:	P
Region:	STATE
Positioning Method:	AGPS
Lat/Long (dms):	28 41 40 / 81 33 46

Owner:

Owner Id:	50601
Owner Name:	FISKARS
Owner Address:	3000 W ORANGE AVE
Owner Address 2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Owner Contact:	DAVE DUNN
Owner Phone:	4075534001

Tank Id: 1

FISKARS BRANDS INC (Continued) **S107718315**

Status: Removed
Status Date: 10/11/2011
Install Date: 6/1/1995
Substance: Waste oil
Content Description: Waste Oil
Gallons: 1000
Tank Location: ABOVEGROUND

Click here for Florida Oculus:

DWM CONTAM:
Name: FISKARS BRANDS INC
Address: 3000 W ORANGE AVE
City,State,Zip: APOPKA, FL
Program Site Id: 9503025
Lat DD: 28
Lat MM: 41
Lat SS: 40
Long DD: 81
Long MM: 33
Long SS: 46
Office/ District: CD
Program Area: STORAGE TANKS
Priority Score: Not reported
Datum: Not reported
Method: AGPS
Facility Status: CLOSED
Facility Type: Not reported
Score Effective Date: Not reported
Score When Ranked: Not reported
Rank: Not reported
Operator: Not reported
Phone: Not reported
Name Changed: Not reported
Addr Changed: Not reported
Related Party ID: Not reported
Primary RP Role: Not reported
RP Begin Date: Not reported
RP Name: Not reported
RP Address1: Not reported
RP Address2: Not reported
RP City: Not reported
RP State: Not reported
RP Zip5: Not reported
RP Zip4: Not reported
Contact: Not reported
RP Phone: Not reported
RP Extension: Not reported
Site Manager: Not reported

FL Financial Assurance 3:
Name: FISKARS BRANDS INC
Address: 3000 W ORANGE AVE
City,State,Zip: APOPKA, FL 32703
Region: 3

FISKARS BRANDS INC (Continued) **S107718315**

Facility ID:	9503025
Facility Phone:	4075534001
Facility Status:	CLOSED
Facility Type:	E
Type Description:	Industrial Plant
DEP CO:	P
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY
Effective Date:	04/22/2008
Expire Date:	04/22/2009
Owner ID:	50601
Onwer Name:	FISKARS
Owner Address:	3000 W ORANGE AVE
Owner Address2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Contact:	DAVE DUNN
Resp Party Phone:	4075534001

Name:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
City,State,Zip:	APOPKA, FL 32703
Region:	3
Facility ID:	9503025
Facility Phone:	4075534001
Facility Status:	CLOSED
Facility Type:	E
Type Description:	Industrial Plant
DEP CO:	P
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY
Effective Date:	04/22/2009
Expire Date:	04/22/2010
Owner ID:	50601
Onwer Name:	FISKARS
Owner Address:	3000 W ORANGE AVE
Owner Address2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Contact:	DAVE DUNN
Resp Party Phone:	4075534001

Name:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
City,State,Zip:	APOPKA, FL 32703
Region:	3
Facility ID:	9503025
Facility Phone:	4075534001
Facility Status:	CLOSED
Facility Type:	E
Type Description:	Industrial Plant
DEP CO:	P
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY
Effective Date:	04/22/2010
Expire Date:	04/22/2011
Owner ID:	50601
Onwer Name:	FISKARS
Owner Address:	3000 W ORANGE AVE

FISKARS BRANDS INC (Continued) **S107718315**

Owner Address2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Contact:	DAVE DUNN
Resp Party Phone:	4075534001
Name:	FISKARS BRANDS INC
Address:	3000 W ORANGE AVE
City,State,Zip:	APOPKA, FL 32703
Region:	3
Facility ID:	9503025
Facility Phone:	4075534001
Facility Status:	CLOSED
Facility Type:	E
Type Description:	Industrial Plant
DEP CO:	P
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY
Effective Date:	04/22/2011
Expire Date:	04/22/2012
Owner ID:	50601
Onwer Name:	FISKARS
Owner Address:	3000 W ORANGE AVE
Owner Address2:	Not reported
Owner City,St,Zip:	APOPKA, FL 32703
Contact:	DAVE DUNN
Resp Party Phone:	4075534001

TIER 2:

Name:	FISKARS BRANDS, INC. GARDEN & OUTDOOR LEISURE - APOPKA
Address:	3000 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL 32703
Year:	2011
Facility Id:	3993972
Active Date:	Not reported
Inactive Date:	Not reported
Sale Pending:	Not reported
Original Date:	Not reported
PLOT Source:	Not reported
Latitude:	28.6912
Longitude:	-81.557940
LEPC District:	Not reported
Counties:	Not reported
SERC:	Not reported
Program Level:	Not reported
PRIME:	Not reported
SIC Code:	Not reported
SIC Code 2:	Not reported
NAICS Code:	Not reported
Last Modified Date:	11/12/2012
First Submit Date:	11/09/2012
Data Submitted By:	Florida Division of Emergency Management
Company Name:	FISKARS BRANDS, INC.
Comments:	Not reported

Contact:

Contact ID:	Not reported

FISKARS BRANDS INC (Continued) **S107718315**

Year:	2011
Facility Id:	3993972
Contact Type:	Tier II Emergency 24 Hour Contact
Contact Name:	PATRICK CLIFFORD
Contact Title:	Not reported
Contact Phone:	407-447-5533
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	pat.clifford@fiskars.com

Contact ID:	Not reported
Year:	2011
Facility Id:	3993972
Contact Type:	Additional 24 Hour Contact
Contact Name:	VALLI RUHLE
Contact Title:	Not reported
Contact Phone:	407-447-5533
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	valli.ruhle@fiskars.com

Contact ID:	Not reported
Year:	2011
Facility Id:	3993972
Contact Type:	Tier II Emergency Contact
Contact Name:	PATRICK CLIFFORD
Contact Title:	Not reported
Contact Phone:	407-447-5533
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	pat.clifford@fiskars.com

Contact ID:	Not reported
Year:	2011
Facility Id:	3993972
Contact Type:	Tier II Secondary 24 Hour Contact
Contact Name:	VALLI RUHLE
Contact Title:	Not reported
Contact Phone:	407-447-5533
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported

FISKARS BRANDS INC (Continued) **S107718315**

Contact Email:	valli.ruhle@fiskars.com
Contact ID:	Not reported
Year:	2011
Facility Id:	3993972
Contact Type:	112(r) 24 Hour Representative
Contact Name:	Rick Ryback
Contact Title:	Not reported
Contact Phone:	715-842-2091
Contact 24Hr Phone:	Not reported
Contact Telephone 2:	Not reported
Contact Telephone 3:	Not reported
Contact Telephone 4:	Not reported
Contact Telephone 5:	Not reported
Contact Telephone 6:	Not reported
Contact Email:	rick.ryback@fiskars.com
Name:	FISKARS BRANDS, INC. GARDEN & OUTDOOR LEISURE - APOPKA
Address:	3000 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL 32703
Year:	2010
Facility Id:	Not reported
Active Date:	Not reported
Inactive Date:	Not reported
Sale Pending:	Not reported
Original Date:	Not reported
PLOT Source:	Not reported
Latitude:	28.6912
Longitude:	-81.56
LEPC District:	Not reported
Counties:	Not reported
SERC:	Not reported
Program Level:	Not reported
PRIME:	Not reported
SIC Code:	Not reported
SIC Code 2:	Not reported
NAICS Code:	Not reported
Last Modified Date:	Not reported
First Submit Date:	Not reported
Data Submitted By:	Not reported
Company Name:	Not reported
Comments:	Not reported
Chemical Code:	7664939
Chemical Name:	Sulfuric acid
Chemical State:	LIQUID
Location Name:	Entire Facility
Container Code:	R
Pressure Code:	1
Temperature Code:	4
Average Quantity:	2400
Maximum Quantity:	2400
Days On Site:	365

FISKARS BRANDS INC (Continued) **S107718315**

Name:	FISKARS BRANDS
Address:	3000 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL 32703
Year:	Not reported
Facility Id:	Not reported
Active Date:	01/01/1997
Inactive Date:	Not reported
Sale Pending:	False
Original Date:	Not reported
PLOT Source:	Address
Latitude:	28.691200
Longitude:	-81.557940
LEPC District:	6
Counties:	Volusia,Seminole,Osceola,Orange,Lake,Brevard,
SERC:	29760
Program Level:	0
PRIME:	24447
SIC Code:	3089
SIC Code 2:	Not reported
NAICS Code:	326199

Other Chemical Data:

Report Year:	2008
Tier 2 Report ID:	107244
Chemical ID:	311491
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	3/19/2009
Average Amount:	3
Maximum Amount:	1762
Location ID:	509713
Chemical State:	Liquid
Mixture:	True
Mixture Percent:	.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	BATTERIES IN LLIFT TRUCKS AND THROUGHOUT ALL BLDGS AND AT BATTERY CHARGING STATION ON WEST END OF BLDG #3

Report Year:	2007
Tier 2 Report ID:	102558
Chemical ID:	287282
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	3/13/2008
Average Amount:	3
Maximum Amount:	1762
Location ID:	476507
Chemical State:	Liquid
Mixture:	True

FISKARS BRANDS INC (Continued) **S107718315**

Mixture Percent:	.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	BATTERIES IN LIFT TRUCKS AND THROUGHOUT ALL BLDG AND AT BATTERY CHARGING STATION ON WEST END OF BLDG #3

Report Year:	2006
Tier 2 Report ID:	98001
Chemical ID:	262629
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	4/18/2007
Average Amount:	3
Maximum Amount:	1762
Location ID:	445251
Chemical State:	Liquid
Mixture:	True
Mixture Percent:	.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	BATTERIES IN LIFT TRUCKS AND THROUGHOUT ALL BLDGS AND AT BATTERY CHARGING STATION ON WEST END OF BLDG #3

Report Year:	2005
Tier 2 Report ID:	92210
Chemical ID:	227552
CAS Number:	GENERIC
Chemical Name:	TRADENAME CHEMICALS UNKNOWN INGREDIENT
Chemical Date:	2/27/2006
Average Amount:	4
Maximum Amount:	40000
Location ID:	399162
Chemical State:	Liquid
Mixture:	True
Mixture Percent:	.00
Containter:	E - PLASTIC OR NON-METALLIC DRUM
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	4
Maximum Amount:	40000
Days on Site:	365

FISKARS BRANDS INC (Continued) **S107718315**

Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: POLY BLEND 'PART B' - THROUGHOUT BLDG 2

Report Year: 2005
Tier 2 Report ID: 92210
Chemical ID: 227549
CAS Number: 7664939
Chemical Name: Sulfuric acid
Chemical Date: 2/27/2006
Average Amount: 3
Maximum Amount: 1762
Location ID: 399159
Chemical State: Liquid
Mixture: False
Mixture Percent: 100.00
Containter: R - OTHER
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 3
Maximum Amount: 1762
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: BATTERIES IN LIFT TRUCKS AND THROUGHOUT ALL BLDGS AND AT BATTER CHARGING STATION ON WEST END OF BLDG #3

Report Year: 2004
Tier 2 Report ID: 89373
Chemical ID: 211644
CAS Number: 9016879
Chemical Name: Polymeric diphenylmethane diisocyanate
Chemical Date: 4/29/2005
Average Amount: 4
Maximum Amount: 25000
Location ID: 378873
Chemical State: Liquid
Mixture: True
Mixture Percent: .00
Containter: C - TANK INSIDE BUILDING
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 4
Maximum Amount: 25000
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: THROUGHOUT BLDG #2

Report Year: 2004
Tier 2 Report ID: 89373

FISKARS BRANDS INC (Continued) **S107718315**

Chemical ID:	211643
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	4/29/2005
Average Amount:	3
Maximum Amount:	1762
Location ID:	378872
Chemical State:	Liquid
Mixture:	True
Mixture Percent:	.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	BATTERIES

Report Year:	2003
Tier 2 Report ID:	85849
Chemical ID:	184790
CAS Number:	PAINTS
Chemical Name:	PAINTS
Chemical Date:	1/2/1972
Average Amount:	3
Maximum Amount:	9999
Location ID:	343468
Chemical State:	Liquid
Mixture:	True
Mixture Percent:	.00
Containter:	E - PLASTIC OR NON-METALLIC DRUM
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	9999
Days on Site:	245
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	THROUGHOUT BLDG 2

Report Year:	2003
Tier 2 Report ID:	85849
Chemical ID:	184789
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	1/2/1972
Average Amount:	3
Maximum Amount:	1762
Location ID:	343467
Chemical State:	Liquid
Mixture:	True

FISKARS BRANDS INC (Continued) **S107718315**

Mixture Percent: .00
Containter: R - OTHER
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 3
Maximum Amount: 1762
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: BATTERIES THROUGHOUT

Report Year: 2002
Tier 2 Report ID: 80948
Chemical ID: 173831
CAS Number: 7664939
Chemical Name: Sulfuric acid
Chemical Date: 1/2/1972
Average Amount: 3
Maximum Amount: 1762
Location ID: 331033
Chemical State: Liquid
Mixture: True
Mixture Percent: .00
Containter: R - OTHER
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 3
Maximum Amount: 1762
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: TRUCK & FORK LIFTS W END OF BLDG 3

Report Year: 1997
Tier 2 Report ID: 78845
Chemical ID: 149998
CAS Number: 7664939
Chemical Name: Sulfuric acid
Chemical Date: 1/2/1972
Average Amount: 3
Maximum Amount: 1762
Location ID: 298549
Chemical State: LIQUID
Mixture: False
Mixture Percent: 100.00
Containter: R - OTHER
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 3
Maximum Amount: 1762
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported

FISKARS BRANDS INC (Continued) **S107718315**

Private Location:	False
Location:	FORKLIFT BATTERIES

Report Year:	1998
Tier 2 Report ID:	78844
Chemical ID:	149990
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	1/2/1972
Average Amount:	3
Maximum Amount:	1762
Location ID:	298538
Chemical State:	LIQUID
Mixture:	False
Mixture Percent:	100.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported
Private Location:	False
Location:	FORK LIFT BATTERIES

Report Year:	1999
Tier 2 Report ID:	78843
Chemical ID:	149989
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	1/2/1972
Average Amount:	3
Maximum Amount:	1762

Report Year:	2000
Tier 2 Report ID:	78842
Chemical ID:	149988
CAS Number:	7664939
Chemical Name:	Sulfuric acid
Chemical Date:	1/2/1972
Average Amount:	3
Maximum Amount:	1762
Location ID:	298537
Chemical State:	LIQUID
Mixture:	False
Mixture Percent:	100.00
Containter:	R - OTHER
Pressure:	1 - AMBIENT PRESSURE
Temperature:	4 - AMBIENT TEMPERATURE
Average Amount:	3
Maximum Amount:	1762
Days on Site:	365
Site Plan:	False
Site Plan Document:	Not reported

FISKARS BRANDS INC (Continued) **S107718315**

Private Location: False
Location: FORK LIFT BATTERIES

Report Year: 2001
Tier 2 Report ID: 78841
Chemical ID: 149986
CAS Number: 7664939
Chemical Name: Sulfuric acid
Chemical Date: 1/2/1972
Average Amount: 3
Maximum Amount: 1762
Location ID: 298534
Chemical State: LIQUID
Mixture: False
Mixture Percent: 100.00
Containter: R - OTHER
Pressure: 1 - AMBIENT PRESSURE
Temperature: 4 - AMBIENT TEMPERATURE
Average Amount: 3
Maximum Amount: 1762
Days on Site: 365
Site Plan: False
Site Plan Document: Not reported
Private Location: False
Location: FORK LIFT BATTERIES

Company Info:
Company Name: FISKARS BRANDS, INC. D/B/A/ ENVIROWORKS, INC.
Company Address: 2536 DANIELS STREET
Company City,St,Zip: MADISON, WI 53718-
Company Phone: Not reported
Company Fax: Not reported
Company Email: Not reported
FEI Number: 391500309
Comany Contact Name: RICK RYBACK
Cmpny Contact Phone: 608-259-1649
Reduced Fees: False
Exempt Fees: False
Electronic Filing: False
Employee: Not reported
Comments: Not reported

County: ORANGE
SEC302: True
Active Date: 1/1/1997
Inactive Date: Not reported
Old HMIS Date: Not reported
Visit for 2001: False
Visit for 2002: False
Visit for 2003: True
Visit for 2004: False
Visit for 2005: True
Site Visit Date: Not reported

FISKARS BRANDS INC (Continued) **S107718315**

WASTEWATER:

Name:	BLOEM, LLC
Address:	3000 W ORANGE AVE
City,State,Zip:	APOPKA, FL
Facility ID:	FLR05H930
Facility Type:	Multi-Sector Stormwater GP
Status:	Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
District Office:	TLST
NPDES Permitted Site:	Not reported
Environmental Interest:	Not reported
Owner Type:	Unknown
Permit Capacity:	Not reported
Party Name:	Ryan Mast, PMTE
Company Name:	Bloem, LLC
RP Address:	3301 Hudson Trail
RP Address 2:	Not reported
RP City,Stat,Zip:	Hudsonville MI 49426
Telephone:	6166226344
Email:	ryan@bloemliving.com
Issue Date:	03/03/2016
Effective Date:	03/03/2016
Expiration Date:	03/02/2021
DOC Description:	Generic Permit
Latitude Degrees:	28
Latitude Minutes:	41
Latitude Seconds:	38.55
Longitude Degrees:	81
Longitude Minutes:	33
Longitude Seconds:	31.39
Treatment:	Not reported
Decode For Fstatus:	Active

B6 **FISKARS BRANDS, INC.** **DWM CONTAM** **S118741880**
SSE **3000 WEST ORANGE AVENUE** **RESP PARTY** **N/A**
1/4-1/2 **APOPKA, FL 32703**
0.340 mi.
1794 ft. **Site 2 of 3 in cluster B**

Relative: **Lower**

Actual: **120 ft.**

DWM CONTAM:

Name:	FISKARS BRANDS, INC.
Address:	3000 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL
Program Site Id:	ERIC_12847
Lat DD:	28
Lat MM:	41
Lat SS:	41.2947
Long DD:	81
Long MM:	33
Long SS:	42.2048
Office/ District:	CD
Program Area:	RESPONSPARTY
Priority Score:	Not reported
Datum:	NAD83
Method:	DPHO
Facility Status:	Closed

FISKARS BRANDS, INC. (Continued) **S118741880**

Facility Type:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Rank:	Not reported
Operator:	Not reported
Phone:	Not reported
Name Changed:	Not reported
Addr Changed:	Not reported
Related Party ID:	Not reported
Primary RP Role:	Not reported
RP Begin Date:	Not reported
RP Name:	Not reported
RP Address1:	Not reported
RP Address2:	Not reported
RP City:	Not reported
RP State:	Not reported
RP Zip5:	Not reported
RP Zip4:	Not reported
Contact:	Not reported
RP Phone:	Not reported
RP Extension:	Not reported
Site Manager:	Carolin Heaviside

RESP PARTY:

Name:	FISKARS BRANDS, INC.
Address:	3000 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL 32703
District:	Central District
Site Id:	342206
Project Id:	350470
Site Status:	CLOSED
Project Manager:	HEAVISIDE_C
OGC Case Number:	N
Initial Date Received:	03/08/2016
Contaminants:	Not reported
Offsite Cont Impact:	N
Priority Score:	Not reported
Datum:	NAD83
Method ID:	DPHO
Feature:	Not reported
Object Of Interest:	CAP_RAP SITE
Proximity To Object:	APPRX
Collect Username:	HEAVISIDE_C
Collect Affiliation:	Florida Department of Environmental Protection
Collect Program Id:	CL
Collect Date:	03/07/2016
Map Series Used:	IMAGERY_11_13
Map Source Scale:	5000
Interpolation Scale:	5000
Coordinate Accuracy Id:	3
Verify Method Id:	DPHO
Verifier Username:	HEAVISIDE_C
Verifier Affiliation:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Verifying Program Id:	CL
Verification Date:	03/07/2016
Decode for District:	Central District
Decode for Datum:	North American Datum of 1983

FISKARS BRANDS, INC. (Continued) **S118741880**

Decode for Method:	Digital Aerial Photography With Ground Control
Decode for Off Site COC:	No, the best available evidence (such as completed SAR) demonstrates that contamination above applicable standards or criteria DOES NOT extend offsite.
Decode for V_Method:	Digital Aerial Photography With Ground Control
Latitude/Longitude (deg/min/sec):	28 41 / 81 33
Source Facility Name:	Not reported
Source Facility ID:	Not reported
Program:	Not reported
Program Type:	Not reported
Program Status:	Not reported
WMD:	Not reported
ICR Indicator:	Not reported
Discharge Date:	Not reported
GIS ALBX:	Not reported
GIS ALBY:	Not reported
Site Manager:	Not reported
Site Phase Description:	Not reported
Offsite Contamination Key:	Not reported
Documents:	Not reported
Objectid:	Not reported

B7 **PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION** **DWM CONTAM** **S117360906**
SSE **3001 WEST ORANGE AVENUE** **RESP PARTY** **N/A**
1/4-1/2 **APOPKA, FL 32703**
0.367 mi.
1940 ft. **Site 3 of 3 in cluster B**

Relative: **Lower**
Actual: **120 ft.**

DWM CONTAM:

Name:	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION
Address:	3001 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL
Program Site Id:	ERIC_12807
Lat DD:	28
Lat MM:	41
Lat SS:	27.8118
Long DD:	81
Long MM:	33
Long SS:	25.0881
Office/ District:	CD
Program Area:	RESPONSPARTY
Priority Score:	Not reported
Datum:	NAD83
Method:	DPHO
Facility Status:	Closed
Facility Type:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Rank:	Not reported
Operator:	Not reported
Phone:	Not reported
Name Changed:	Not reported
Addr Changed:	Not reported
Related Party ID:	Not reported
Primary RP Role:	Not reported
RP Begin Date:	Not reported
RP Name:	Not reported
RP Address1:	Not reported

PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION (Continued) **S117360906**

RP Address2:	Not reported
RP City:	Not reported
RP State:	Not reported
RP Zip5:	Not reported
RP Zip4:	Not reported
Contact:	Not reported
RP Phone:	Not reported
RP Extension:	Not reported
Site Manager:	Tom Lubozynski

RESP PARTY:

Name:	PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION
Address:	3001 WEST ORANGE AVENUE
City,State,Zip:	APOPKA, FL 32703
District:	Central District
Site Id:	314616
Project Id:	334926
Site Status:	CLOSED
Project Manager:	LUBOZYNSKI_T
OGC Case Number:	Not reported
Initial Date Received:	07/12/2012
Contaminants:	Not reported
Offsite Cont Impact:	Not reported
Priority Score:	Not reported
Datum:	NAD83
Method ID:	DPHO
Feature:	Not reported
Object Of Interest:	CAP_RAP SITE
Proximity To Object:	APPRX
Collect Username:	HOUSTON_G
Collect Affiliation:	Florida Department of Environmental Protection
Collect Program Id:	CR
Collect Date:	12/10/2012
Map Series Used:	IMAGERY_04_09
Map Source Scale:	5000
Interpolation Scale:	5000
Coordinate Accuracy Id:	3
Verify Method Id:	DPHO
Verifier Username:	HOUSTON_G
Verifier Affiliation:	Florida Department of Environmental Protection
Verifying Program Id:	CR
Verification Date:	12/10/2012
Decode for District:	Central District
Decode for Datum:	North American Datum of 1983
Decode for Method:	Digital Aerial Photography With Ground Control
Decode for Off Site COC:	Not reported
Decode for V_Method:	Digital Aerial Photography With Ground Control
Latitude/Longitude (deg/min/sec):	28 41 / 81 33
Source Facility Name:	Not reported
Source Facility ID:	Not reported
Program:	Not reported
Program Type:	Not reported
Program Status:	Not reported
WMD:	Not reported
ICR Indicator:	Not reported
Discharge Date:	Not reported
GIS ALBX:	Not reported

PROGRESS ENERGY SARAP PLYMOUTH SUBSTATION (Continued) **S117360906**

GIS ALBY:	Not reported
Site Manager:	Not reported
Site Phase Description:	Not reported
Offsite Contamination Key:	Not reported
Documents:	Not reported
Objectid:	Not reported

C8 **DIAMOND FOOD MART** **DWM CONTAM** **S126321603**
SE **2901 W ORANGE BLOSSOM TRL** **N/A**
1/4-1/2 **APOPKA, FL 32712**
0.426 mi.
2249 ft. **Site 1 of 2 in cluster C**

Relative: **Lower**
Actual: **122 ft.**

DWM CONTAM:

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Program Site Id:	8513126
Lat DD:	28
Lat MM:	41
Lat SS:	37
Long DD:	81
Long MM:	33
Long SS:	22
Office/ District:	CD
Program Area:	STORAGE TANKS
Priority Score:	66
Datum:	Not reported
Method:	AGPS
Facility Status:	OPEN
Facility Type:	A - Retail Station
Score Effective Date:	2010-01-29 00:00:00
Score When Ranked:	78
Rank:	471
Operator:	Not reported
Phone:	Not reported
Name Changed:	Not reported
Addr Changed:	Not reported
Related Party ID:	58361
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	4/3/2014
RP Name:	STAR PLUS PETRO INC
RP Address1:	380 COMMERCE PKWY
RP Address2:	ATTN: STORAGE TANK REGIS
RP City:	ROCKLEDGE
RP State:	FL
RP Zip5:	32955
RP Zip4:	Not reported
Contact:	RAJ SHAH
RP Phone:	(321)288-7717
RP Extension:	Not reported
Site Manager:	TAYLOR_DT

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Program Site Id:	8513126
Lat DD:	28

DIAMOND FOOD MART (Continued) **S126321603**

Lat MM:	41
Lat SS:	37
Long DD:	81
Long MM:	33
Long SS:	22
Office/ District:	CD
Program Area:	STORAGE TANKS
Priority Score:	66
Datum:	Not reported
Method:	AGPS
Facility Status:	OPEN
Facility Type:	A - Retail Station
Score Effective Date:	2010-01-29 00:00:00
Score When Ranked:	78
Rank:	471
Operator:	Not reported
Phone:	Not reported
Name Changed:	Not reported
Addr Changed:	Not reported
Related Party ID:	58361
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	4/3/2014
RP Name:	STAR PLUS PETRO INC
RP Address1:	380 COMMERCE PKWY
RP Address2:	ATTN: STORAGE TANK REGIS
RP City:	ROCKLEDGE
RP State:	FL
RP Zip5:	32955
RP Zip4:	Not reported
Contact:	RAJ SHAH
RP Phone:	(321)288-7717
RP Extension:	Not reported
Site Manager:	TAYLOR_DT

C9 **DIAMOND FOOD MART** **LUST U004155264**
SE **2901 W ORANGE BLOSSOM TRL** **UST N/A**
1/4-1/2 **APOPKA, FL 32712** **ENG CONTROLS**
0.426 mi. **INST CONTROL**
2249 ft. **Site 2 of 2 in cluster C** **CLEANUP SITES**
Financial Assurance

Relative:
Lower

Actual:
122 ft.

LUST:

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	STATE
Facility Id:	8513126
Facility Status:	OPEN
Facility Type:	A - Retail Station
Facility Phone:	(800)989-8292
Facility Cleanup Rank:	471
District:	Central District
Lat/Long (dms):	28 41 36.562 / 81 33 21.4387
Section:	Not reported
Township:	Not reported
Range:	Not reported
Feature:	Not reported
Method:	AGPS

DIAMOND FOOD MART (Continued) **U004155264**

Datum:	0
Score:	66
Score Effective Date:	2010-01-29 00:00:00
Score When Ranked:	78
Operator:	AET COMPLIANCE | EXT 146
Name Update:	2014-04-03 00:00:00
Address Update:	2014-04-03 00:00:00

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status:	ONGO - ONGOING
Contact:	RAJ SHAH
Contact Company:	STAR PLUS PETRO INC
Contact Address:	380 COMMERCE PKWY
Contact City/State/Zip:	ROCKLEDGE, FL 32955
Phone:	(321)288-7717
Bad Address Ind:	N
State:	FL
Zip:	32712
Score:	66
Score Effective Date:	2010-01-29 00:00:00
Related Party ID:	58361
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	2014-04-03
RP Zip:	Not reported
RP Extension:	Not reported

Discharge Cleanup Summary:

Discharge Date:	7/2/1990
PCT Discharge Combined:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	D - DISCHARGE NOTIFICATION
Other Source Description:	Not reported
Eligibility Indicator:	E - ELIGIBLE
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV
Discharge Date:	9/14/1995
PCT Discharge Combined:	Not reported
Cleanup Required:	Z - OTHER
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	D - DISCHARGE NOTIFICATION
Other Source Description:	Not reported
Eligibility Indicator:	E - ELIGIBLE
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV

Petroleum Cleanup Program Eligibility:

Facility ID:	8513126
Discharge Date:	7/2/1990
Pct Discharge Combined With:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	RA - RA ONGOING

DIAMOND FOOD MART (Continued) **U004155264**

Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	Not reported
Other Source Description:	Not reported
Application Received Date:	Not reported
Cleanup Program:	C - PETROLEUM CLEANUP PARTICIPATION PROGRAM
Eligibility Status:	Not reported
Elig Status Date:	Not reported
Letter Of Intent Date:	Not reported
Redetermined:	Not reported
Inspection Date:	Not reported
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV
Deductible Amount:	Not reported
Deductible Paid To Date:	Not reported
Co-Pay Amount:	Not reported
Co-Pay Paid To Date:	Not reported
Cap Amount:	400000
Facility ID:	8513126
Discharge Date:	9/14/1995
Pct Discharge Combined With:	Not reported
Cleanup Required:	Z - OTHER
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	Not reported
Other Source Description:	Not reported
Application Received Date:	Not reported
Cleanup Program:	P - PETROLEUM LIABILITY AND RESTORATION INSURANCE PROGRAM
Eligibility Status:	Not reported
Elig Status Date:	Not reported
Letter Of Intent Date:	Not reported
Redetermined:	Not reported
Inspection Date:	Not reported
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRONMENTAL PROTECTION DIV
Deductible Amount:	Not reported
Deductible Paid To Date:	Not reported
Co-Pay Amount:	Not reported
Co-Pay Paid To Date:	Not reported
Cap Amount:	400000

Contaminated Media:

Discharge Date:	7/2/1990
Pct Discharge Combined With:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	D - DISCHARGE NOTIFICATION
Other Source Description:	Not reported
Elig Indicator:	E - ELIGIBLE
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRON
Contaminated Drinking Wells:	0

DIAMOND FOOD MART (Continued) **U004155264**

Contaminated Monitoring Well:	No
Contaminated Soil:	Yes
Contaminated Surface Water:	No
Contaminated Ground Water:	Yes
Pollutant:	B - Unleaded Gas
Pollutant Other Description:	Not reported
Gallons Discharged:	Not reported
Discharge Date:	9/14/1995
Pct Discharge Combined With:	Not reported
Cleanup Required:	Z - OTHER
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10/12/2004
Cleanup Work Status:	ACTIVE
Information Source:	D - DISCHARGE NOTIFICATION
Other Source Description:	Not reported
Elig Indicator:	E - ELIGIBLE
Site Manager:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - ORANGE COUNTY ENVIRON
Contaminated Drinking Wells:	Not reported
Contaminated Monitoring Well:	Not reported
Contaminated Soil:	Not reported
Contaminated Surface Water:	Not reported
Contaminated Ground Water:	Not reported
Pollutant:	B - Unleaded Gas
Pollutant Other Description:	Not reported
Gallons Discharged:	Not reported

Task Information:

District:	CD
Facility ID:	8513126
Facility Status:	OPEN
Facility Type:	A - Retail Station -
County:	ORANGE
County ID:	48
Cleanup Eligibility Status:	E
Source Effective Date:	Not reported
Discharge Date:	07-02-1990
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10-12-2004
SRC Action Type:	-
SRC Submit Date:	Not reported
SRC Review Date:	Not reported
SRC Completion Status:	-
SRC Issue Date:	Not reported
SRC Comment:	Not reported
Cleanup Work Status:	INACTIVE
Site Mgr:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - Orange County
SR Task ID:	19882
SR Cleanup Responsible:	RP - RESPONSIBLE PARTY
SR Funding Eligibility Type:	-
SR Actual Cost:	Not reported
SR Completion Date:	07-07-1990
SR Payment Date:	Not reported
SR Oral Date:	Not reported

DIAMOND FOOD MART (Continued) **U004155264**

SR Written Date:	08-05-1991
SR Soil Removal:	Y
SR Free Product Removal:	Y
SR Soil Tonnage Removed:	21
SR Soil Treatment:	Y
SR Other Treatment:	Not reported
SR Alternate Proc Received Date:	Not reported
SR Alternate Procedure Status:	Not reported
SR Alternate Procedure Status Date:	Not reported
SR Alternate Procedure Comments:	Not reported
SA Task ID:	65556
SA Cleanup Responsible:	RP - RESPONSIBLE PARTY
SA Funding Eligibility Type:	-
SA Actual Cost:	Not reported
SA Completion Date:	Not reported
SA Payment Date:	Not reported
RAP Task ID:	76519
RAP Cleanup Responsible ID:	-
RAP Funding Eligibility Type:	-
RAP Actual Cost:	Not reported
RAP Completion Date:	Not reported
RAP Payment Date:	Not reported
RAP Last Order Approved:	Not reported
RA Task ID:	75791
RA Cleanup Responsible:	-
RA Funding Eligibility Type:	-
RA Years to Complete:	Not reported
RA Actual Cost:	Not reported
District:	CD
Facility ID:	8513126
Facility Status:	OPEN
Facility Type:	A - Retail Station -
County:	ORANGE
County ID:	48
Cleanup Eligibility Status:	E
Source Effective Date:	Not reported
Discharge Date:	09-14-1995
Cleanup Required:	Z - OTHER
Discharge Cleanup Status:	RA - RA ONGOING
Disch Cleanup Status Date:	10-12-2004
SRC Action Type:	-
SRC Submit Date:	Not reported
SRC Review Date:	Not reported
SRC Completion Status:	-
SRC Issue Date:	Not reported
SRC Comment:	Not reported
Cleanup Work Status:	INACTIVE
Site Mgr:	TAYLOR_DT
Site Mgr End Date:	Not reported
Tank Office:	PCLP48 - Orange County
SR Task ID:	Not reported
SR Cleanup Responsible:	-
SR Funding Eligibility Type:	-
SR Actual Cost:	Not reported
SR Completion Date:	Not reported
SR Payment Date:	Not reported
SR Oral Date:	Not reported

DIAMOND FOOD MART (Continued) **U004155264**

SR Written Date:	Not reported
SR Soil Removal:	Not reported
SR Free Product Removal:	Not reported
SR Soil Tonnage Removed:	Not reported
SR Soil Treatment:	Not reported
SR Other Treatment:	Not reported
SR Alternate Proc Received Date:	Not reported
SR Alternate Procedure Status:	Not reported
SR Alternate Procedure Status Date:	Not reported
SR Alternate Procedure Comments:	Not reported
SA Task ID:	81101
SA Cleanup Responsible:	-
SA Funding Eligibility Type:	-
SA Actual Cost:	Not reported
SA Completion Date:	Not reported
SA Payment Date:	Not reported
RAP Task ID:	78174
RAP Cleanup Responsible ID:	-
RAP Funding Eligibility Type:	-
RAP Actual Cost:	Not reported
RAP Completion Date:	Not reported
RAP Payment Date:	Not reported
RAP Last Order Approved:	Not reported
RA Task ID:	77786
RA Cleanup Responsible:	-
RA Funding Eligibility Type:	-
RA Years to Complete:	Not reported
RA Actual Cost:	Not reported

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UST:

Facility Id:	8513126
Facility Status:	OPEN
Type Description:	Retail Station
Facility Phone:	8009898292
Region:	STATE
Positioning Method:	AGPS
Lat/Long (dms):	28 41 37 / 81 33 22

Owner:

Owner Id:	58361
Owner Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address 2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Owner Contact:	RAJ SHAH
Owner Phone:	3212887717

Tank Info:

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City:	APOPKA
Zip:	32712
Tank Id:	4
Status:	In service
Status Date:	06/01/1998

DIAMOND FOOD MART (Continued) **U004155264**

Install Date: 6/1/1998
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 10000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Construction:
Tank Id: 4
Construction Category: Overfill/Spill
Construction Description: Ball check valve

Tank Id: 4
Construction Category: Primary Construction
Construction Description: Fiberglass clad steel

Tank Id: 4
Construction Category: Secondary Containment
Construction Description: Double wall

Tank Id: 4
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 4
Construction Category: Overfill/Spill
Construction Description: Tight fill

Monitoring:
Tank ID: 4
Monitoring Description: Mechanical line leak detector

Tank ID: 4
Monitoring Description: Continuous electronic sensing

Tank ID: 4
Monitoring Description: Visual inspect pipe sumps

Tank ID: 4
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 4
Monitoring Description: Visual inspect dispenser liners

Tank ID: 4
Monitoring Description: Monitor dbl wall tank space

Tank ID: 4
Monitoring Description: Automatic tank gauging - USTs

Tank ID: 4
Monitoring Description: Monitor dbl wall pipe space

Piping:
Tank ID: 4
Piping Category: Secondary Containment

DIAMOND FOOD MART (Continued) **U004155264**

Piping Description: Double wall - pipe jacket

Tank ID: 4
Piping Category: Primary Construction
Piping Description: Approved synthetic material

Tank ID: 4
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

Tank ID: 4
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Name: DIAMOND FOOD MART
Address: 2901 W ORANGE BLOSSOM TRL
City: APOPKA
Zip: 32712
Tank Id: 5
Status: In service
Status Date: 06/01/1998
Install Date: 6/1/1998
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 8000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Construction:
Tank Id: 5
Construction Category: Overfill/Spill
Construction Description: Ball check valve

Tank Id: 5
Construction Category: Secondary Containment
Construction Description: Double wall

Tank Id: 5
Construction Category: Primary Construction
Construction Description: Fiberglass clad steel

Tank Id: 5
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 5
Construction Category: Overfill/Spill
Construction Description: Tight fill

Monitoring:
Tank ID: 5
Monitoring Description: Mechanical line leak detector

Tank ID: 5
Monitoring Description: Continuous electronic sensing

DIAMOND FOOD MART (Continued) **U004155264**

Tank ID: 5
Monitoring Description: Visual inspect pipe sumps

Tank ID: 5
Monitoring Description: Electronic monitor pipe sumps

Tank ID: 5
Monitoring Description: Visual inspect dispenser liners

Tank ID: 5
Monitoring Description: Monitor dbl wall tank space

Tank ID: 5
Monitoring Description: Automatic tank gauging - USTs

Tank ID: 5
Monitoring Description: Monitor dbl wall pipe space

Piping:

Tank ID: 5
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Tank ID: 5
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

Tank ID: 5
Piping Category: Secondary Containment
Piping Description: Double wall - pipe jacket

Tank ID: 5
Piping Category: Primary Construction
Piping Description: Approved synthetic material

Name: DIAMOND FOOD MART
Address: 2901 W ORANGE BLOSSOM TRL
City: APOPKA
Zip: 32712
Tank Id: Not reported
Status: Removed
Status Date: 06/01/1998
Install Date: 7/1/1983
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 8000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

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ENG CONTROLS:
Name: DIAMOND FOOD MART

DIAMOND FOOD MART (Continued) **U004155264**

Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility ID:	9802872
ICR Site:	Not reported
Inst Control Type:	EC MAINTENANCE
Engg Control Type:	IMPERVIOUS CAP
Contaminated Media:	SOIL
Contamination:	PETROLEUM (INCLUDES BTEX AND MTBE)
Lat/Long (dms):	Not reported
Data Ammended:	Not reported
Date Removed:	Not reported
Mechanism - Date Order Issued:	Not reported
Inspection Date:	Not reported
Mechanism - Date IC Removed:	Not reported
Legal Description:	Not reported
Mechanism - Program Area:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.
Township:	21S
Range:	28E
Parcel ID:	2030215KY000000000020U
Section:	06
Book Number:	201703617
Page Number:	1960-73
Acquisition:	DPHO-DIGITAL ARIAL PHOTOGRAPHY WITH GROUND CONTROL
Previously Published:	Not reported
Description:	Not reported
Begin Date:	Not reported
DC4 Datum ID:	Not reported
CMC2 Coordinate Method ID:	Not reported
PC2 Proximity ID:	Not reported
Collector User Name:	Not reported
Collection Date:	Not reported
OIC Object of Interest ID:	Not reported
VSC1 Verification Status ID:	Not reported
Primary Facility ID:	Not reported
Primary Facility Name:	Not reported
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	Not reported
Primary Site Managing Program:	Not reported
Primary Site DEP Office:	Not reported
Primary Site WMD:	Not reported
Boundary Control ID:	Not reported
Boundary Control Name:	Not reported
Boundary Mechanism Counties:	Not reported
Boundary Mechanism Types:	Not reported
Boundary Mechanism EFF Dates:	Not reported
All Facility ID:	Not reported
All Facility Names:	Not reported
All Site ID:	Not reported
All Site Names:	Not reported
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	Not reported

Click here for Florida Oculus:

Inst Control:
Name: DIAMOND FOOD MART

DIAMOND FOOD MART (Continued) **U004155264**

Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility Id:	ERIC_7284
Inst Control Type:	Groundwater Use, Land Use
Eng Control Type:	None
Contaminated Media:	Groundwater, Soil
Contamination:	Petroleum (Includes BTEX and MTBE)-Legacy
Lat/Long (dms):	Not reported
Date Amended:	Not reported
Mechanism - Date IC Removed:	Not reported
Mechanism - Program Area:	Not reported
Mechanism - Date Order Issued:	Not reported
Date Removed:	Not reported
Inspection Date:	Not reported
Legal Description:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.
Township:	Not reported
Range:	Not reported
Parcel ID:	Not reported
Section:	Not reported
Book Number:	Not reported
Page Number:	6-Jan
Acquisition:	Not reported
Previously Published:	Not reported
Description:	Not reported
Begin Date:	Not reported
DC4 Datum ID:	Not reported
CMC2 Coordinate Method ID:	Not reported
PC2 Proximity ID:	Not reported
Collector User Name:	Not reported
Collection Date:	Not reported
OIC Object of Interest ID:	Not reported
VSC1 Verification Status ID:	Not reported
Primary Facility ID:	Not reported
Primary Facility Name:	Not reported
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	Not reported
Primary Site Managing Program:	Not reported
Primary Site DEP Office:	Not reported
Primary Site WMD:	Not reported
Boundary Control ID:	Not reported
Boundary Control Name:	Not reported
Boundary Mechanism Counties:	Not reported
Boundary Mechanism Types:	Not reported
Boundary Mechanism EFF Dates:	Not reported
All Facility ID:	Not reported
All Facility Names:	Not reported
All Site ID:	Not reported
All Site Names:	Not reported
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	Not reported

Name:	DIAMOND FOOD MART
Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility Id:	8513126
Inst Control Type:	GROUNDWATER USE RESTRICTION

DIAMOND FOOD MART (Continued) **U004155264**

Eng Control Type:	NONE
Contaminated Media:	GROUNDWATER
Contamination:	PETROLEUM (INCLUDES BTEX AND MTBE)
Lat/Long (dms):	Not reported
Date Amended:	Not reported
Mechanism - Date IC Removed:	Not reported
Mechanism - Program Area:	Not reported
Mechanism - Date Order Issued:	Not reported
Date Removed:	Not reported
Inspection Date:	Not reported
Legal Description:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.
Township:	21S
Range:	28E
Parcel ID:	282106717202081
Section:	06
Book Number:	201703617
Page Number:	1-8
Acquisition:	DPHO-DIGITAL ARIAL PHOTOGRAPHY WITH GROUND CONTROL
Previously Published:	Not reported
Description:	Not reported
Begin Date:	Not reported
DC4 Datum ID:	Not reported
CMC2 Coordinate Method ID:	Not reported
PC2 Proximity ID:	Not reported
Collector User Name:	Not reported
Collection Date:	Not reported
OIC Object of Interest ID:	Not reported
VSC1 Verification Status ID:	Not reported
Primary Facility ID:	Not reported
Primary Facility Name:	Not reported
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	Not reported
Primary Site Managing Program:	Not reported
Primary Site DEP Office:	Not reported
Primary Site WMD:	Not reported
Boundary Control ID:	Not reported
Boundary Control Name:	Not reported
Boundary Mechanism Counties:	Not reported
Boundary Mechanism Types:	Not reported
Boundary Mechanism EFF Dates:	Not reported
All Facility ID:	Not reported
All Facility Names:	Not reported
All Site ID:	Not reported
All Site Names:	Not reported
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	Not reported

Name:	DIAMOND FOOD MART
Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility Id:	9802872
Inst Control Type:	EC MAINTENANCE
Eng Control Type:	IMPERVIOUS CAP
Contaminated Media:	SOIL
Contamination:	PETROLEUM (INCLUDES BTEX AND MTBE)
Lat/Long (dms):	Not reported

DIAMOND FOOD MART (Continued) **U004155264**

Date Amended:	Not reported
Mechanism - Date IC Removed:	Not reported
Mechanism - Program Area:	Not reported
Mechanism - Date Order Issued:	Not reported
Date Removed:	Not reported
Inspection Date:	Not reported
Legal Description:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.
Township:	21S
Range:	28E
Parcel ID:	2030215KY000000000020U
Section:	06
Book Number:	201703617
Page Number:	1960-73
Acquisition:	DPHO-DIGITAL ARIAL PHOTOGRAPHY WITH GROUND CONTROL
Previously Published:	Not reported
Description:	Not reported
Begin Date:	Not reported
DC4 Datum ID:	Not reported
CMC2 Coordinate Method ID:	Not reported
PC2 Proximity ID:	Not reported
Collector User Name:	Not reported
Collection Date:	Not reported
OIC Object of Interest ID:	Not reported
VSC1 Verification Status ID:	Not reported
Primary Facility ID:	Not reported
Primary Facility Name:	Not reported
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	Not reported
Primary Site Managing Program:	Not reported
Primary Site DEP Office:	Not reported
Primary Site WMD:	Not reported
Boundary Control ID:	Not reported
Boundary Control Name:	Not reported
Boundary Mechanism Counties:	Not reported
Boundary Mechanism Types:	Not reported
Boundary Mechanism EFF Dates:	Not reported
All Facility ID:	Not reported
All Facility Names:	Not reported
All Site ID:	Not reported
All Site Names:	Not reported
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	Not reported

Name:	DIAMOND FOOD MART
Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility Id:	8513126
Inst Control Type:	LAND USE RESTRICTION
Eng Control Type:	NONE
Contaminated Media:	SOIL
Contamination:	PETROLEUM (INCLUDES BTEX AND MTBE)
Lat/Long (dms):	Not reported
Date Amended:	Not reported
Mechanism - Date IC Removed:	Not reported
Mechanism - Program Area:	Not reported
Mechanism - Date Order Issued:	Not reported

DIAMOND FOOD MART (Continued) **U004155264**

Date Removed:	Not reported
Inspection Date:	Not reported
Legal Description:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.
Township:	21S
Range:	28E
Parcel ID:	282106717202081
Section:	06
Book Number:	201703617
Page Number:	1-8
Acquisition:	DPHO-DIGITAL ARIAL PHOTOGRAPHY WITH GROUND CONTROL
Previously Published:	Not reported
Description:	Not reported
Begin Date:	Not reported
DC4 Datum ID:	Not reported
CMC2 Coordinate Method ID:	Not reported
PC2 Proximity ID:	Not reported
Collector User Name:	Not reported
Collection Date:	Not reported
OIC Object of Interest ID:	Not reported
VSC1 Verification Status ID:	Not reported
Primary Facility ID:	Not reported
Primary Facility Name:	Not reported
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	Not reported
Primary Site Managing Program:	Not reported
Primary Site DEP Office:	Not reported
Primary Site WMD:	Not reported
Boundary Control ID:	Not reported
Boundary Control Name:	Not reported
Boundary Mechanism Counties:	Not reported
Boundary Mechanism Types:	Not reported
Boundary Mechanism EFF Dates:	Not reported
All Facility ID:	Not reported
All Facility Names:	Not reported
All Site ID:	Not reported
All Site Names:	Not reported
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	Not reported

Name:	DIAMOND FOOD MART
Address:	2901 WEST ORANGE BLOSSOM TRAIL
City,State,Zip:	APOPKA, FL 32712
Facility Id:	ERIC_7284
Inst Control Type:	Groundwater Use, Land Use
Eng Control Type:	None
Contaminated Media:	Groundwater, Soil
Contamination:	Petroleum (Includes BTEX and MTBE)-Legacy
Lat/Long (dms):	Not reported
Date Amended:	Not reported
Mechanism - Date IC Removed:	Not reported
Mechanism - Program Area:	Not reported
Mechanism - Date Order Issued:	Not reported
Date Removed:	Not reported
Inspection Date:	Not reported
Legal Description:	Not reported
Comments:	This is the instrument # which is the same as the Book # 20170361794.

DIAMOND FOOD MART (Continued) **U004155264**

Township:	Not reported
Range:	Not reported
Parcel ID:	Not reported
Section:	Not reported
Book Number:	Not reported
Page Number:	1-6
Acquisition:	Not reported
Previously Published:	Y
Description:	GROUNDWATER USE RESTRICTION|LAND USE RESTRICTION
Begin Date:	06/28/2017
DC4 Datum ID:	HARN
CMC2 Coordinate Method ID:	CSUR
PC2 Proximity ID:	EXACT
Collector User Name:	ERIC_INIT_ICR_LOAD
Collection Date:	11/29/2018
OIC Object of Interest ID:	SWIM
VSC1 Verification Status ID:	REVIEWED
Primary Facility ID:	STCM-8513126
Primary Facility Name:	DIAMOND FOOD MART
Primary Site Address Line 2:	Not reported
Primary Site Program Type Key:	PETROLEUM
Primary Site Managing Program:	Petroleum Restoration Program
Primary Site DEP Office:	CD
Primary Site WMD:	SJRWMD
Boundary Control ID:	IC-1147
Boundary Control Name:	DIAMOND FOOD MART
Boundary Mechanism Counties:	Orange
Boundary Mechanism Types:	Interim Restrictive Covenant
Boundary Mechanism EFF Dates:	28-JUN-17
All Facility ID:	STCM-8513126
All Facility Names:	DIAMOND FOOD MART
All Site ID:	ERIC_7284
All Site Names:	DIAMOND FOOD MART
Boundary Mechanism Instr Nums:	Not reported
Primary Site Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_7284/gis-facility!search

CLEANUP SITES:

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
DEP Cleanup Site Key:	69329976
Source Database Name:	Storage Tank Contamination Monitoring
Source Database Id:	8513126
CPAC Program Area Id:	TK
CLLC Cleanup Category Key:	PETRO
RSC2 Remediation Status Key:	ACTIVE
Data Load Date:	11/16/2021
OC3 Office Id:	CD
Physical Address Line 2:	2901 W US HWY 441
OIC Object Of Interest Id:	FACIL
PC2 Proximity Id:	EXACT
Calc Coordinates Accuracy Level Id:	3
CMC2 Coordinate Method Id:	Differentially Corrected GPS
DC4 Datum Id:	Geodetic Survey of 1984
VSC1 Verification Status:	REVIEWED
Collect Username:	SNYDER_W

DIAMOND FOOD MART (Continued) **U004155264**

Collect Date:	01/16/2004
Collect Affiliation:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Map Source:	1999 doqs
Map Source Scale:	5000
Interpolation Scale:	Not reported
Verifier Username:	SNYDER_W
Verifier Affiliation:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
Verification Date:	01/16/2004
Verified Coordinate Method Id:	Digital Aerial Photography With Ground Control
Source Database Name Code:	STCM
CMC2 Coordinate Method ID Code:	DGPS
DC4 Datum ID Code:	WGS84
Verified Coordinate Method ID Code:	DPHO
Comments:	Not reported
Latitude/Longitude (deg/min/sec):	28 41 / 81 33

FL Financial Assurance 3:

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	8513126
Facility Phone:	8009898292
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	ACE
Effective Date:	03/02/2012
Expire Date:	03/02/2013
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Contact:	RAJ SHAH
Resp Party Phone:	3212887717

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	8513126
Facility Phone:	8009898292
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY
Effective Date:	03/25/2014
Expire Date:	03/25/2015
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS

DIAMOND FOOD MART (Continued) **U004155264**

Owner City,St,Zip: ROCKLEDGE, FL 32955
Contact: RAJ SHAH
Resp Party Phone: 3212887717

Name: DIAMOND FOOD MART
Address: 2901 W ORANGE BLOSSOM TRL
City,State,Zip: APOPKA, FL 32712
Region: 3
Facility ID: 8513126
Facility Phone: 8009898292
Facility Status: OPEN
Facility Type: A
Type Description: Retail Station
DEP CO: C
Finaincial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 07/27/2008
Expire Date: 07/27/2009
Owner ID: 58361
Onwer Name: STAR PLUS PETRO INC
Owner Address: 380 COMMERCE PKWY
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City,St,Zip: ROCKLEDGE, FL 32955
Contact: RAJ SHAH
Resp Party Phone: 3212887717

Name: DIAMOND FOOD MART
Address: 2901 W ORANGE BLOSSOM TRL
City,State,Zip: APOPKA, FL 32712
Region: 3
Facility ID: 8513126
Facility Phone: 8009898292
Facility Status: OPEN
Facility Type: A
Type Description: Retail Station
DEP CO: C
Finaincial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 09/01/2016
Expire Date: 09/01/2017
Owner ID: 58361
Onwer Name: STAR PLUS PETRO INC
Owner Address: 380 COMMERCE PKWY
Owner Address2: ATTN: STORAGE TANK REGIS
Owner City,St,Zip: ROCKLEDGE, FL 32955
Contact: RAJ SHAH
Resp Party Phone: 3212887717

Name: DIAMOND FOOD MART
Address: 2901 W ORANGE BLOSSOM TRL
City,State,Zip: APOPKA, FL 32712
Region: 3
Facility ID: 8513126
Facility Phone: 8009898292
Facility Status: OPEN
Facility Type: A
Type Description: Retail Station

DIAMOND FOOD MART (Continued) **U004155264**

DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY INSURANCE CO
Effective Date:	09/01/2015
Expire Date:	09/01/2016
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Contact:	RAJ SHAH
Resp Party Phone:	3212887717

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	8513126
Facility Phone:	8009898292
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	COMMERCE & INDUSTRY INSURANCE CO
Effective Date:	09/01/2019
Expire Date:	09/01/2020
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Contact:	RAJ SHAH
Resp Party Phone:	3212887717

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	8513126
Facility Phone:	8009898292
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	ZURICH-AMERICAN
Effective Date:	06/26/2009
Expire Date:	06/26/2010
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Contact:	RAJ SHAH
Resp Party Phone:	3212887717

DIAMOND FOOD MART (Continued) **U004155264**

Name:	DIAMOND FOOD MART
Address:	2901 W ORANGE BLOSSOM TRL
City,State,Zip:	APOPKA, FL 32712
Region:	3
Facility ID:	8513126
Facility Phone:	8009898292
Facility Status:	OPEN
Facility Type:	A
Type Description:	Retail Station
DEP CO:	C
Finaincial Responsibility:	INSURANCE
Insurance Company:	ZURICH-AMERICAN
Effective Date:	06/26/2010
Expire Date:	06/26/2011
Owner ID:	58361
Onwer Name:	STAR PLUS PETRO INC
Owner Address:	380 COMMERCE PKWY
Owner Address2:	ATTN: STORAGE TANK REGIS
Owner City,St,Zip:	ROCKLEDGE, FL 32955
Contact:	RAJ SHAH
Resp Party Phone:	3212887717

---

10 **SOUTHLAND GARDEN NURSERY** **LUST** **S107936914**
SW **700 S HERMIT SMITH RD** **DWM CONTAM** **N/A**
1/4-1/2 **PLYMOUTH, FL 32768** **Financial Assurance**
0.457 mi.
2413 ft.

Relative:
Lower

Actual:
118 ft.

LUST:

Name:	SOUTHLAND GARDEN NURSERY
Address:	700 S HERMIT SMITH RD
City,State,Zip:	PLYMOUTH, FL 32768
Region:	STATE
Facility Id:	9601585
Facility Status:	CLOSED
Facility Type:	C - Fuel user/Non-retail
Facility Phone:	(407)889-4181
Facility Cleanup Rank:	Not reported
District:	Central District
Lat/Long (dms):	28 41 37.6442 / 81 34 5.0244
Section:	Not reported
Township:	Not reported
Range:	Not reported
Feature:	Not reported
Method:	AGPS
Datum:	Not reported
Score:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Operator:	MICHAEL STONE
Name Update:	Not reported
Address Update:	Not reported

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status:	CMPL - COMPLETED
Contact:	MICHAEL STONE
Contact Company:	SOUTHLAND GARDEN NURSERY
Contact Address:	700 S HERMIT SMITH RD

SOUTHLAND GARDEN NURSERY (Continued) **S107936914**

Contact City/State/Zip:	PLYMOUTH, FL 32768
Phone:	(407)889-4481
Bad Address Ind:	Y
State:	FL
Zip:	32768
Score:	Not reported
Score Effective Date:	Not reported
Related Party ID:	44074
Primary RP Role:	ACCOUNT OWNER
RP Begin Date:	1996-07-30
RP Zip:	Not reported
RP Extension:	Not reported

Discharge Cleanup Summary:

Discharge Date:	6/25/2019
PCT Discharge Combined:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	NFAC - NO FURTHER ACTION WITH CONDITIONS
Disch Cleanup Status Date:	3/27/2020
Cleanup Work Status:	COMPLETED
Information Source:	Z - OTHER
Other Source Description:	Not reported
Eligibility Indicator:	I - INELIGIBLE
Site Manager:	BURSON_L
Site Mgr End Date:	Not reported
Tank Office:	PCCD - CD CLEANUP & COMPLIANCE ASSURANCE PROGRAM

Contaminated Media:

Discharge Date:	6/25/2019
Pct Discharge Combined With:	Not reported
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	NFAC - NO FURTHER ACTION WITH CONDITIONS
Disch Cleanup Status Date:	3/27/2020
Cleanup Work Status:	COMPLETED
Information Source:	Z - OTHER
Other Source Description:	Phase II ESA
Elig Indicator:	I - INELIGIBLE
Site Manager:	BURSON_L
Site Mgr End Date:	Not reported
Tank Office:	PCCD - CD CLEANUP & COMPLIANCE
Contaminated Drinking Wells:	Not reported
Contaminated Monitoring Well:	No
Contaminated Soil:	Yes
Contaminated Surface Water:	No
Contaminated Ground Water:	No
Pollutant:	M - Fuel Oil - Onsite Heat
Pollutant Other Description:	Not reported
Gallons Discharged:	Not reported

Click here for Florida Oculus:

DWM CONTAM:

Name:	SOUTHLAND GARDEN NURSERY
Address:	700 S HERMIT SMITH RD
City,State,Zip:	PLYMOUTH, FL
Program Site Id:	9601585
Lat DD:	28

SOUTHLAND GARDEN NURSERY (Continued) **S107936914**

Lat MM:	41
Lat SS:	36
Long DD:	81
Long MM:	34
Long SS:	5
Office/ District:	CD
Program Area:	STORAGE TANKS
Priority Score:	Not reported
Datum:	Not reported
Method:	AGPS
Facility Status:	CLOSED
Facility Type:	Not reported
Score Effective Date:	Not reported
Score When Ranked:	Not reported
Rank:	Not reported
Operator:	Not reported
Phone:	Not reported
Name Changed:	Not reported
Addr Changed:	Not reported
Related Party ID:	Not reported
Primary RP Role:	Not reported
RP Begin Date:	Not reported
RP Name:	Not reported
RP Address1:	Not reported
RP Address2:	Not reported
RP City:	Not reported
RP State:	Not reported
RP Zip5:	Not reported
RP Zip4:	Not reported
Contact:	Not reported
RP Phone:	Not reported
RP Extension:	Not reported
Site Manager:	BURSON_L

FL Financial Assurance 3:

Name:	SOUTHLAND GARDEN NURSERY
Address:	700 S HERMIT SMITH RD
City,State,Zip:	PLYMOUTH, FL 32768
Region:	3
Facility ID:	9601585
Facility Phone:	4078894181
Facility Status:	CLOSED
Facility Type:	C
Type Description:	Fuel user/Non-retail
DEP CO:	P
Finaincial Responsibility:	EXEMPT-NOT REQUIRED
Insurance Company:	Not reported
Effective Date:	06/26/2005
Expire Date:	06/26/2006
Owner ID:	44074
Onwer Name:	SOUTHLAND GARDEN NURSERY
Owner Address:	700 S HERMIT SMITH RD
Owner Address2:	Not reported
Owner City,St,Zip:	PLYMOUTH, FL 32768
Contact:	MICHAEL STONE
Resp Party Phone:	4078894481

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/19/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/01/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 9

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/22/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/21/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/04/2022
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 850-488-0190
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Semi-Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 03/28/2022
Number of Days to Update: 76

Source: Department of Environmental Protection
Telephone: 850-922-7121
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST: Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/03/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/25/2022
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing

The file for Leaking Aboveground Storage Tanks. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 850-245-8799
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 02/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

FF TANKS: Federal Facilities Listing
A listing of federal facilities with storage tanks.

Date of Government Version: 12/20/2021
Date Data Arrived at EDR: 12/20/2021
Date Made Active in Reports: 03/08/2022
Number of Days to Update: 78
Source: Department of Environmental Protection
Telephone: 850-245-8250
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

UST: Storage Tank Facility Information
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/04/2022
Number of Days to Update: 80
Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

AST: Storage Tank Facility Information
Registered Aboveground Storage Tanks.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/04/2022
Number of Days to Update: 80
Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/09/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

TANKS: Storage Tank Facility List

This listing includes storage tank facilities that do not have tank information. The tanks have either be closed or removed from the site, but the facilities were still registered at some point in history.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/04/2022
Number of Days to Update: 80

Source: Department of Environmental Protection
Telephone: 850-245-8841
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 12/08/2021
Date Data Arrived at EDR: 12/22/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 03/29/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 12/08/2021
Date Data Arrived at EDR: 12/22/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 03/29/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS AREAS: Brownfields Areas Database
A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. This layer provides a polygon representation of the boundaries of these designated Brownfield Areas in Florida.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

BSRA: Brownfield Site Rehabilitation Agreements Listing
The BSRA provides DEP and the public assurance that site rehabilitation will be conducted in accordance with Florida Statutes and DEP's Contaminated Site Cleanup Criteria rule. In addition, the BSRA provides limited liability protection for the voluntary responsible party. The BSRA contains various commitments by the voluntary responsible party, including milestones for completion of site rehabilitation tasks and submittal of technical reports and plans. It also contains a commitment by DEP to review technical reports according to an agreed upon schedule. Only those brownfield sites with an executed BSRA are eligible to apply for a voluntary cleanup tax credit incentive pursuant to Section 376.30781, Florida Statutes.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 89

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 03/29/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Sites Database
Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 03/29/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Centers

A listing of recycling centers located in the state of Florida.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 58
Source: Department of Environmental Protection
Telephone: 850-245-8718
Last EDR Contact: 01/14/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: No Update Planned

PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/03/2021
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989
Date Data Arrived at EDR: 05/09/1994
Date Made Active in Reports: 08/04/1994
Number of Days to Update: 87

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 03/24/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

PFAS: PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 10/28/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 11/09/2021
Number of Days to Update: 11

Source: Department of Environmental Protection
Telephone: 850-245-8690
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing
DEP has conducted initial environmental assessments related to the historic and current use of chemicals found in aqueous film forming foam (AFFF) at fire training facilities throughout Florida

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/09/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 141
Source: Department of Environmental Protection
Telephone: 850-245-8690
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 84
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

SPILLS: Oil and Hazardous Materials Incidents
Statewide oil and hazardous materials inland incidents.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/21/2022
Number of Days to Update: 83
Source: Department of Environmental Protection
Telephone: 850-245-2010
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/04/2013
Number of Days to Update: 60
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch
Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/01/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 11/16/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/08/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/18/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/28/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 85

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/28/2022
Next Scheduled EDR Contact: 06/13/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/22/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing
A listing of Air Resources Management permits.

Date of Government Version: 01/26/2021
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 02/03/2021
Number of Days to Update: 6
Source: Department of Environmental Protection
Telephone: 850-921-9558
Last EDR Contact: 01/21/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing
Asbestos sites

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 01/31/2022
Number of Days to Update: 80
Source: Department of Environmental Protection
Telephone: 850-717-9086
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Varies

CLEANUP SITES: DEP Cleanup Sites - Contamination Locator Map Listing
This listing includes the locations of waste cleanup sites from various programs. The source of the cleanup site data includes Hazardous Waste programs, Site Investigation Section, Compliance and Enforcement Tracking, Drycleaning State Funded Cleanup Program (possibly other state funded cleanup), Storage Tank Contamination Monitoring.

Date of Government Version: 11/17/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 80
Source: Department of Environmental Protection
Telephone: 866-282-0787
Last EDR Contact: 02/23/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

DEDB: Ethylene Dibromide Database Results
Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 12/08/2021
Date Data Arrived at EDR: 12/09/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 78
Source: Department of Environmental Protection
Telephone: 850-245-8335
Last EDR Contact: 03/28/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities

The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/11/2022
Number of Days to Update: 84
Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

DWM CONTAM: DWM CONTAMINATED SITES

A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

Date of Government Version: 11/30/2021
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/21/2022
Number of Days to Update: 76
Source: Department of Environmental Protection
Telephone: 850-245-7503
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A list of hazardous waste facilities required to provide financial assurance under RCRA.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80
Source: Department of Environmental Protection
Telephone: 850-245-8793
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities.

Date of Government Version: 10/28/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/18/2022
Number of Days to Update: 81
Source: Department of Environmental Protection
Telephone: 850-245-8743
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for storage tanks sites.

Date of Government Version: 02/02/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/07/2022
Number of Days to Update: 4
Source: Department of Environmental Protection
Telephone: 850-245-8853
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 01/10/2020
Date Made Active in Reports: 02/11/2020
Number of Days to Update: 32

Source: Department of Environmental Protection
Telephone: 850-245-4444
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: No Update Planned

HW GEN: Hazardous Waste Generators

Small Quantity Hazardous Waste Generators are regulated under the federal Resource Conservation and Recovery Act (RCRA) and applicable state regulations as generators of hazardous wastes in quantities greater than 100 Kg but less than 1,000 Kg in any one calendar month. Large Quantity Generators of Hazardous Waste are tracked in this coverage based on their notification to the Department of Environmental Protection as to their handler status, or based on inspections conducted at their facilities. These facilities are regulated under the federal Resource Conservation and Recovery Act (RCRA) and applicable state regulations as generators of hazardous wastes in quantities equal to or greater than 1,000 Kg in any one calendar month.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/08/2022
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 850-245-8758
Last EDR Contact: 03/24/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RESP PARTY: Responsible Party Sites Listing

Open, inactive and closed responsible party sites

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 12/22/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 77

Source: Department of Environmental Protection
Telephone: 850-245-8758
Last EDR Contact: 03/29/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

SITE INV SITES: Site Investigation Section Sites Listing

Statewide coverage of Site Investigation Section (SIS) sites. Site Investigation is a Section within the Bureau of Waste Cleanup, Division of Waste Management. SIS provides technical support to FDEP District Waste Cleanup Programs and conducts contamination assessments throughout the state.

Date of Government Version: 11/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/04/2022
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 850-245-8953
Last EDR Contact: 02/15/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/21/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 850-413-9970
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing

A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 01/27/2022
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 850-245-8655
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

WASTEWATER: Wastewater Facility Regulation Database
Domestic and industrial wastewater facilities.

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/03/2021
Date Made Active in Reports: 01/25/2022
Number of Days to Update: 83
Source: Department of Environmental Protection
Telephone: 850-245-8600
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Floridia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALACHUA COUNTY:

FACILITY LIST ALACHUA: Facility List
List of all regulated facilities in Alachua County.

Date of Government Version: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/08/2022
Number of Days to Update: 83
Source: Alachua County Environmental Protection Department
Telephone: 352-264-6800
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Annually

BROWARD COUNTY:

AST BROWARD: Aboveground Storage Tanks
Aboveground storage tank locations in Broward County.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 78
Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

UST BROWARD: Underground Storage Tanks
All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 78
Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 03/04/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

HILLSBOROUGH COUNTY:

LF HILLSBOROUGH: Hillsborough County LF
Hillsborough county landfill sites.

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/17/2021
Number of Days to Update: 77
Source: Hillsborough County Environmental Protection Commission
Telephone: 813-627-2600
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

MIAMI-DADE COUNTY:

DADE CO AP: Air Permit Sites
Facilities that release or have a potential to release pollutants.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79
Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

DADE CO AW: Agricultural Waste Listing
A listing of agricultural waste sites

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79
Source: Miami-Dade County Division of Environmental Resources Management
Telephone: 305-372-6715
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

DADE CO LF: Miami Dade County Landfill Solid Waste Sites listing.
Miami Dade County Landfill Solid Waste Sites listing.

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 95
Source: Miami Dade County Environmental Resources Management
Telephone: 305-372-6789
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Varies

DADE CO LW: Liquid Waste Transporter List
The Liquid Waste Transporter permit regulates the transportation of various types of liquid and solid waste, including hazardous waste, waste oil and oily waste waters, septic and grease trap waste, biomedical waste, spent radiator fluid, photo chemical waste, dry sewage sludge, and other types of non-hazardous industrial waste. The Liquid Waste Transporter permits needed to protect the environment and the public from improperly handled and transported waste.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79
Source: DERM
Telephone: 305-372-6755
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

DADE GTO: Grease Trap Sites
Any non-residential facility that discharges waste to a sanitary sewer.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79
Source: Dade County Dept. of Env. Resources Mgmt.
Telephone: 305-372-6508
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

DADE MOP: Marine Facilities Operating Permit
What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79
Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

DADE MRE: Maimi River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 06/05/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 08/06/2013
Number of Days to Update: 61

Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Quarterly

DADE_IWP: Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79

Source: Department of Environmental Resources Management
Telephone: 305-372-6700
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

ENF: Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/09/2022
Number of Days to Update: 79

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

SPILLS DADE: Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 01/08/2009
Date Data Arrived at EDR: 01/13/2009
Date Made Active in Reports: 02/05/2009
Number of Days to Update: 23

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 02/24/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

UST DADE: Storage Tanks

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 05/10/2020
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 85

Source: Department of Environmental Resource Management
Telephone: 305-372-6700
Last EDR Contact: 02/25/2022
Next Scheduled EDR Contact: 06/06/2022
Data Release Frequency: Semi-Annually

PALM BEACH COUNTY:

LF PALM BEACH: Palm Beach County LF

Palm Beach County Inventory of Solid Waste Sites.

Date of Government Version: 09/01/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/10/2011
Number of Days to Update: 20

Source: Palm Beach County Solid Waste Authority
Telephone: 561-640-4000
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/11/2022
Next Scheduled EDR Contact: 05/23/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/14/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Department of Children & Families
Source: Provider Information
Telephone: 850-488-4900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environmental Protection
Telephone: 850-245-8238

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix B

Historical Aerial Photographs
1947, 1954, 1969, 1974, 1978, 1984, 1990, 1995, 1999, 2002, 2006, 2010, 2014, 2017, 2019 and 2022



Bio-Tech Consulting Inc.
Environmental and Permitting Services
3025 E. South Street Orlando, FL 32803
Ph: 407-894-5969 Fax: 407-894-5970
www.bio-techconsulting.com

Collier - Apopka Site
Orange County, Florida
Historic Aerial
1947

N
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500
Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
1954

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Project #: 303-17
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Collier - Apopka Site
Orange County, Florida
Historic Aerial
1969

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Collier - Apopka Site
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Historic Aerial
1974

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Feet

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Collier - Apopka Site
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Historic Aerial
1978

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Collier - Apopka Site
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Historic Aerial
1984

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Project #: 303-17
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Collier - Apopka Site
Orange County, Florida
Historic Aerial
1990

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Collier - Apopka Site
Orange County, Florida
Historic Aerial
1995

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Project #: 303-17
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Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
1999

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Project #: 303-17
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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2002

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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2006

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Project #: 303-17
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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2010

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Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2014

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Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2017

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Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2019

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Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022



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Collier - Apopka Site
Orange County, Florida
Historic Aerial
2022

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Feet

Project #: 303-17
Produced By: JDH
Date: 4/4/2022

Appendix C

Photographic Documentation

















City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 1.
Meeting Date: August 5, 2026
Department: Human Resources

SUBJECT:
Ordinance No. 3169 - Second Reading - General Employees Pension Trust - "Opt Out" clause

ACTION ITEM INFORMATION:

REQUEST:
Adopt Ordinance No. 3169.

SUMMARY:
The City Charter was recently amended to establish term limits for elected officials. As a result of this change, it has been determined that it is in the best interest of the Board of Trustees, the General Employees' Retirement System, and the City to allow the Mayor, the Senior Executive Assistant to the Mayor, the City Administrator, and Department Directors the option to voluntarily opt out of participation in the General Employees' Retirement System.

Ordinance No. 3169 amends Chapter 54, "Retirement Systems," Article II, "General Employees' Retirement System," by revising Sections 54-19 ("Definitions"), 54-20 ("Membership"), and 54-21 ("Board of Trustees") to implement these changes and clarify membership eligibility and governance provisions consistent with the City's updated Charter.

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
Adopt Ordinance 3169.

ATTACHMENTS:
1. Ord No. 3169 - General Employees Pension Plan - Opt Out
2. Business Impact Estimate - General Employee Pension Optout

ORDINANCE NO. 3169

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF APOPKA, FLORIDA, AMENDING CHAPTER 54 "RETIREMENT SYSTEMS," ARTICLE II, "GENERAL EMPLOYEES' RETIREMENT SYSTEM," BY AMENDING SECTION 54-19, "DEFINITIONS"; BY AMENDING SECTION 54-20, "MEMBERSHIP"; BY AMENDING SECTION 54-21, "BOARD OF TRUSTEES"; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS AND SETTING AN EFFECTIVE DATE.

WHEREAS, The City of Apopka, Florida has established the City of Apopka General Employees' Retirement System (the "Plan") for the benefit of its general employees and their beneficiaries; and

WHEREAS, Under the terms of the Plan, members must accrue ten years of credited service to be entitled to an early retirement benefit; and

WHEREAS, The City Commission has determined it would be in the best interest of its general employees and the City to permit the Mayor, the Senior Executive Assistant to the Mayor, the City Administrator and Department Directors to opt out of participation in the Plan; and

WHEREAS, In order to implement such a change, amendment of the City of Apopka General Employees' Retirement System is required.

NOW, THEREFORE, be it ordained by the City Commission of the City of Apopka, Florida, as follows:

[Words with strike through indicate deletions; words with underscore indicate additions; asterisks (* * *) indicate an omission from the existing text which is intended to remain unchanged.]*

SECTION I. The foregoing recitals are hereby adopted as the legislative findings of the City Commission of the City of Apopka, Florida.

SECTION II. CHAPTER 54, RETIREMENT SYSTEMS, ARTICLE II, SECTION 54-19 "Definitions" shall be amended as follows

Sec. 54-19. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

* * *

Member means an actively employed general employee who fulfills the prescribed membership requirements. Benefit improvements which, in the past, have been provided for by amendments to the system adopted by city ordinance, and any benefit improvements which might be made in the future, shall apply prospectively and shall not apply to members who terminate employment or who retire prior to the effective date of any ordinance adopting such benefit improvements, unless such ordinance specifically

provides to the contrary. The term "member" shall not include any senior management employee who irrevocably elects not to participate in the system, in accordance with sec. 54-20(c),

* * *

Senior management means a general employee actively employed with the City in the position of Mayor, the Senior Executive Assistant to the Mayor, the City Administrator, or Department Director.

* * *

SECTION III. CHAPTER 54, RETIREMENT SYSTEMS, ARTICLE II, SECTION 54-20 "Membership" shall be amended as follows:

Sec. 54-20. Membership

(a) *Conditions of eligibility.* All general employees as of the effective date, and all future new general employees, shall become members of this system as a condition of employment; except as otherwise expressly provided herein.

(b) *Designation of beneficiary.* Each general employee shall complete a form prescribed by the board designating a beneficiary or beneficiaries.

(c) *Optional Participation.* Effective [insert effective date of ordinance], a senior management employee may make a one-time election to opt out of participation in this system by submitting an irrevocable notice of election in writing to the board and the city on or before: i) [insert date 90 days after effective date of ordinance], or ii) within 90 days of initial employment in a senior management position, whichever is later. The accumulated member contributions of an employee opting out of the system, if any, shall be refunded in accordance with the terms of the system. Thereafter, the rights of such employee to any benefit under the system shall be deemed waived, and he or she shall be barred from future membership in the system.

SECTION IV. CHAPTER 54, RETIREMENT SYSTEMS, ARTICLE II, SECTION 54-21 "Board of Trustees" shall be amended as follows:

Sec. 54-21. Board of trustees.

(a) Sole and exclusive administration of and responsibilities for the proper operation of the system and for making effective the provisions of this article is hereby vested in a board of trustees. The board is hereby designated as the plan administrator. The board shall consist of five trustees, two of whom shall be the mayor (or his or her designee) and the city clerk, and two of whom shall be members of the system, who shall be elected by a majority of the general employees who are members of the system and who vote in said election. The fifth trustee shall be chosen by a majority of the previous four trustees as provided for herein, and such person's name shall be submitted to the city commission ~~council~~. Upon receipt of the fifth person's name, the city commission ~~council~~ shall, as a ministerial duty, appoint such person to the board as its fifth trustee. The fifth trustee shall have the same rights as each of the other four trustees appointed or elected as herein provided and shall serve a two-year term unless he sooner vacates the office. Each member trustee shall serve as trustee for a period of two years, unless he sooner leaves the employment of the city as a general employee or otherwise

vacates his office as trustee, whereupon a successor shall be chosen in the same manner as the departing trustee. Each trustee may succeed himself in office. Deferred retirement option plan (DROP) participants can be elected as and vote for elected trustees. The board shall establish and administer the nominating and election procedures for each election. The board shall meet at least quarterly each year. The board shall be a legal entity with, in addition to other powers and responsibilities contained herein, the power to bring and defend lawsuits of every kind, nature, and description.

* * *

SECTION V. The provisions of this Ordinance shall be included and incorporated into the Code of Ordinances of the City of Apopka as additions or amendments thereto.

SECTION VI. All ordinances or parts thereof in conflict herewith are repealed to the extent of such conflict.

SECTION VII. Should any word, phrase, sentence, subsection, or section be held by a court of competent jurisdiction to be illegal, void, unenforceable, or unconstitutional, then that word, phrase, sentence, subsection, or section so held shall be severed from this Ordinance and all other words, phrases, sentences, subsections, or sections shall remain in full force and effect.

SECTION VIII. *EFFECTIVE DATE*: This Ordinance shall take effect immediately upon its passage and adoption.

PASSED UPON the first reading of the City Commission, this ____ day of _____ 2026.

PASSED UPON the second and final reading of the City Commission, this ____ day of _____ 2026.

_____
Nick Nesta, Mayor

ATTEST:

_____
Susan M. Bone, CMC, City Clerk

DULY ADVERTISED FOR PUBLIC HEARING: June 26, 2026

July 3, 2026

APPROVED as to form and legality for use of and reliance by the City of Apopka, Florida.

_____
Clifford B. Shepard, City Attorney

4903-4679-7753, v. 1

ORDINANCE BUSINESS IMPACT ESTIMATE

Florida Statutes, Section 166.041(4)

ORDINANCE NUMBER: 3169

ORDINANCE: General Employees' Pension Plan Opt Out

DEPARTMENT: Human Resources

MEETING DATE: July 15, 2026

This form should be included in the agenda packet for the item under which the proposed ordinance is to be considered and must be posted on the City of Apopka's website by the time notice of the proposed ordinance is published.

ORDINANCE NO. 3169

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF APOPKA, FLORIDA, AMENDING CHAPTER 54 "RETIREMENT SYSTEMS," ARTICLE II, "GENERAL EMPLOYEES' RETIREMENT SYSTEM," BY AMENDING SECTION 54-19, "DEFINITIONS"; BY AMENDIGN SECTION 54-20, "MEMBERSHIP"; BY AMEDNING SECTION 54-21, "BOARD OF TRUSTEES"; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS AND SETTING AN EFFECTIVE DATE.

This Business Impact Estimate is provided in accordance with section 166.041(4), Florida Statutes. If one or more boxes are checked below, this means the City is of the view that a business impact estimate is not required by state law[1] for the proposed ordinance, but the City is, nevertheless, providing this Business Impact Estimate as a courtesy and to avoid any procedural issues that could impact the enactment of the proposed ordinance. This Business Impact Estimate may be revised following its initial posting.

- ☐ The proposed ordinance is required for compliance with Federal or State law or regulation;
- ☐ The proposed ordinance relates to the issuance or refinancing of debt;
- ☒ The proposed ordinance relates to the adoption of budgets or budget amendments, including revenue sources necessary to fund the budget;
- ☐ The proposed ordinance is required to implement a contract or an agreement, including, but not limited to, any Federal, State, local, or private grant or other financial assistance accepted by the municipal government;
- ☐ The proposed ordinance is an emergency ordinance;
- ☐ The ordinance relates to procurement; or

[1] See Section 166.041(4)(c), Florida Statutes.

☐ The proposed ordinance is enacted to implement the following:

a. Development orders and development permits, as those terms are defined in s. 163.3164, and development agreements, as authorized by the Florida Local Government Development Agreement Act under ss. 163.3220-163.3243;
b. Comprehensive plan amendments and land development regulation amendments initiated by an application by a private party other than the City of Apopka;
c. Sections 190.005 and 190.046, Florida Statutes, regarding community development districts;
d. Section 553.73, Florida Statutes, relating to the Florida Building Code; or
e. Section 633.202, Florida Statutes, relating to the Florida Fire Prevention Code.

In accordance with the provisions of controlling law, the City hereby publishes the following information:

1. Summary of the proposed ordinance (must include a statement of the public purpose, such as serving the public health, safety, morals, and welfare):

This Ordinance contains a proposed amendment to the general City employee pension to allow the Mayor, City Administrator, and Department Heads, and Senior Executive Assistant to the Mayor the option to opt out of participation in the General Employee Pension Plan.

2. An estimate of the direct economic impact of the proposed ordinance on private, for-profit businesses in the City, if any:

(a) An estimate of direct compliance costs that businesses may reasonably incur;

No direct impact to compliance costs for existing general businesses.

(b) Any new charge or fee imposed by the proposed ordinance or for which businesses will be financially responsible; and

No new charges or fees for existing general businesses.

(c) An estimate of the City's regulatory costs, including estimated revenues from any new charges or fees to cover such costs.

No additional regulatory costs, staff administration only.

3. Good faith estimate of the number of businesses likely to be impacted by the proposed ordinance:

Undeterminable.

4. Additional information the governing body deems useful (if any): Actuarial Impact Statement attached.

CITY OF APOPKA
MUNICIPAL GENERAL EMPLOYEES' RETIREMENT TRUST FUND

ACTUARIAL IMPACT STATEMENT
August 5, 2026
(Page 1)

This statement outlines the projected impact on the Total Required Contribution (per Chapter 112, Florida Statutes) and the Required City Contribution resulting from the following proposed amendments to the Code of Ordinances, Chapter 54, Sections 19, 20, and 21.

1) Sec. 54-19 - Definitions
    a. The proposed opt-out option in the definition of *Member* does not substantiate any changes to our valuation assumptions or methods and therefore has no impact to the plan's projected Total Required Contribution.

2) Sec. 54-20 - Membership
    a. The proposed opt-out option does not substantiate any changes to our valuation assumptions or methods and therefore has no impact to the plan's projected Total Required Contribution.

3) Sec. 54-21 – Board of trustees
    a. The proposed change in wording does not substantiate any changes to our valuation assumptions or methods and therefore has no impact to the plan's projected Total Required Contribution.

* *Please also note that all assumptions and methods used in the Impact Statement are the same as those reflected in the 10/1/2025 Actuarial Valuation Report.*

CITY OF APOPKA
MUNICIPAL GENERAL EMPLOYEES' RETIREMENT TRUST FUND

ACTUARIAL IMPACT STATEMENT
August 5, 2026
(Page 2)

The changes presented are in compliance with Part VII, Chapter 112, Florida Statues and Section 14, Article X of the State Constitution.



David V. Pappalardo, FSA, EA, FCA, MAAA
Enrolled Actuary #26-5283

STATEMENT OF PLAN ADMINISTRATOR

The prepared information presented reflects the cost of the benefit improvement.

Chairman, Board of Trustees

City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 2.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Ordinance No. 3158 - First Reading - Legislative - Small-Scale Future Land Use Amendment – 4410 Chandler Road and 4420 Chandler Road

ACTION ITEM INFORMATION:
Owner(s): Richard Chandler
Applicant: Camila Neira
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
Location: 4410 Chandler Road, 4420 Chandler Road
Existing Future Land Use: Residential Very Low Suburban
Proposed Future Land Use: Office
Existing Use(s): Residential
Existing Zoning: RSF-1A (Residential Single-Family-Estate)
Proposed Zoning: O (Office)
Tract Size: 5.12 +/- Acres
Proposed Use: Child care facility
Project Manager: Jun Sohn, Ph.D.

REQUEST:
Accept First Reading of Ordinance No. 3158 and hold it over for Second Reading and Adoption.

SUMMARY:
Owner(s): Richard Chandler
Applicant: Camila Neira
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
Location: 4410 Chandler Road, 4420 Chandler Road
Existing Future Land Use: Residential Very Low Suburban
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Existing Use(s): Residential
Existing Zoning: RSF-1A (Residential Single-Family-Estate)
Proposed Zoning: O (Office)
Tract Size: 5.12 +/- Acres
Proposed Use: Child care facility

Direction	Future Land Use	Zoning	Present Use
North	Residential Very Low Suburban	PD	Residential
East	Residential Estate	PD	Residential

South	Residential Very Low Suburban	RSF-1B	Residential
West	Residential Very Low Suburban	RSF-1A	Residential

PROJECT SUMMARY:

The subject properties, which are approximately 5.12 acres in size, are located at 4410 Chandler Road and 4420 Chandler Road. The current use is residential. The applicant is requesting an amendment to the properties future land use for the new development of a child care facility to be consistent with the Comprehensive Plan and Land Development Code. Per the Apopka Comprehensive Plan, Policy 3.1.j. primary uses of land use designation of Office shall be business and professional offices or institutional uses. Per the Apopka Land Development Code (LDC), Table 4.2.2.C. Principal Use Table, the child care facility is under the category of Public, Civic, and Institutional Uses, and it is permitted in the Office zoning district with a Special Exception. Therefore, the requested future land use of Office will be compatible with the proposed use of the child care facility on the subject properties.

A Special Exception for the Child Care Facility use was approved on July 24, 2025, by the Planning Commission Board, with the current land use and zoning of Residential Very Low Suburban and RSF-1A. After approval of the Special Exception, the applicant has submitted a Site Plan for a maximum student capacity of 275 students, and, per the applicant, this is the number of students that meets Florida Statute requirements.

During the site plan review process, staff indicated to the applicant that Land Development Code (LDC) Section 4.2.3.D.2.b.7,(c) states the maximum number of children to attend the facility shall be limited in residential zoning districts by the number of persons per household, as projected in the Apopka Comprehensive Plan and the maximum number of dwellings per acre permitted in the Future Land Use District in which the proposed site is located. Per the 2030 Comprehensive Plan, Table 2-1 Population projections, the total population in 2030 is projected at 125,538. Per the 2030 Comprehensive Plan, Table 2-19 Population projections, Estimated and Projected Households by Size, the total households in 2030 are projected at 44,193. Therefore, the number of persons per household is approximately 2.84 (125,538 ÷ 44,193).

With the existing Future Land Use designation of Residential Very Low Suburban allowing a maximum density of 2 dwelling units per acre for a property of 5.12 acres, the maximum student capacity is 29 students (2.84 persons per household * 5.12 acres * 2 dwelling units per acre = 29.08.

Upon notification of this requirement to the applicant, it was noted that changing the future land use and zoning of the subject properties from residential to Office would remove the maximum student capacity as that is not applicable in the Office future land use and zoning categories, if approved. The K-8 school located to the north of the subject parcels on Jason Dwelley Parkway has a zoning of Office and a future land use designation of Institutional/Public Use as Policy 3.1.p of the future land use element of the Comprehensive Plan only permits public buildings and facilities to have a Institutional/Public Use future land use designation. If the change of future land use and rezoning are approved, the applicant is required to obtain approval for a new Special Exception permit from the Planning Commission within the Office zoning district of the properties. If the change of future land use and zoning to Office is not approved, the maximum student restriction will remain on the property in accordance with LDC Section 4.2.3.D.2.b.7,(c).

TABLE 2- 1: POPULATION PROJECTIONS, 2010-2030

Year	Permanent and Institutional Population	Seasonal Population*	Total Population
2010	41,382**	601	41,983
2015	56,138	815	56,953
2020	73,226	1,063	74,289
2025	97,330	1,413	98,743
2030	123,741	1,797	125,538

* Seasonal population based on 2000 Census percentage of seasonal units (.0013%)

**2010 estimate calculated based on building permits issued between 4/1/09 and 3/31/10.

Source: U.S. Census 2000; City of Apopka, 2010

TABLE 2- 19: ESTIMATED AND PROJECTED HOUSEHOLDS BY SIZE, 2000-2030

Household Size	2000		2010		2015		2020		2025		2030	
	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total
1-2 Persons	5,083	53	7,833	53	10,626	53	13,861	53	18,423	53%	23,422	53
3-4 Persons	3,348	35	5,173	35	7,017	35	9,153	35	12,166	35%	15,468	34
5 or more Persons	1,188	12	1,774	12	2,406	12	3,138	12	4,171	12%	5,303	13
Total Households	**9,619**	**100**	**14,779**	**100**	**20,049**	**100**	**26,152**	**100**	**34,761**	**100**	**44,193**	**100**

Source: Shimberg Center for Affordable Housing, 2006; Land Design Innovations (projections).

Land Development Code Section 2.5.1.D.3 requires the Commission to weigh the relevance of and consider whether and the extent to which the proposed amendment:

a. Is consistent with and furthers the goals, objectives and policies of the comprehensive plan and other adopted City plans;

- Applicant's response: The proposed Future Land Use amendment supports the goals and objectives of the City's Comprehensive Plan by allowing development that provides a needed community service while maintaining compatibility with surrounding uses. The proposed daycare facility will support local families and promote access to early childhood education. The request also supports orderly growth by allowing an institutional use that is consistent with nearby educational and office uses.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use. Similar uses are found in the surrounding area.

b. Is in conflict with any provisions of the LDC;

- Applicant's response: The proposed amendment is not in conflict with the City's Land Development Code. Any future development of the site will comply with all applicable requirements of the Land Development Code, including site development standards, buffering, landscaping, parking, access, and stormwater management regulations.
- Staff response: Staff has no objection. Development plans will be required to be consistent with the Comprehensive Plan and Land Development Code.

c. Addresses a demonstrated community need;

- Applicant's response: The amendment addresses a demonstrated need for childcare services within the community. As the population in the area continues to grow, access to quality daycare and early childhood education facilities becomes increasingly important for working families. The proposed daycare will provide a valuable service to nearby residents and families associated with the neighboring school.
- Staff response: Staff has no objection.

d. Is required by changed conditions;

- Applicant's response: Changed conditions in the surrounding area support the requested amendment. The subject property is located adjacent to an existing school that is already zoned for office or institutional use. Over time, the area has evolved to include educational and community-oriented services. The proposed amendment reflects this transition and allows the property to be used in a manner compatible with surrounding development.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use. Similar uses are found in the surrounding area.

e. Is compatible with existing and proposed uses surrounding the subject land, and is the appropriate zoning district for the land;

- Applicant's response: The proposed use is compatible with surrounding development. The property is located next to an existing school and other institutional or office-type uses, making the Office designation appropriate for the site. A daycare facility is a low-intensity use that operates primarily during daytime hours and complements the educational character of the surrounding area.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use. Similar uses are found in the surrounding area.

f. Would result in a logical and orderly development pattern;

- Applicant's response: Approving this amendment would create a logical and orderly development pattern by aligning the land use designation with nearby properties that already support institutional and office uses. The proposed daycare facility represents a transitional use that fits well between residential areas and existing educational facilities.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use. Similar uses are found in the surrounding area.

g. Would not result in significant adverse impacts on the natural environment—including, but not limited to, water, air, noise, stormwater management, wildlife, vegetation, wetlands, and the natural functioning of the environment; and

- Applicant's response: The proposed development is not expected to result in significant adverse environmental impacts. The project will comply with all applicable environmental regulations and City development standards related to stormwater management, drainage, landscaping, and environmental protection. As a low-intensity use, a daycare facility is not expected to generate substantial noise, emissions, or environmental disturbance. Operational hours are Monday thru Friday from 6AM to 6:30 PM.
- Staff response: Staff has no objection.

h. Would result in development that is adequately served by public facilities (e.g., streets, potable water, sewerage, stormwater management, solid waste collection and disposal, schools, parks, police, and fire and emergency medical facilities).

- Applicant's response: The property is located in an area that is already served by existing public infrastructure and municipal services. The proposed development will have access to existing streets and will connect to available potable water, sanitary sewer, and stormwater management

systems in accordance with City requirements. The site is also served by existing public services including solid waste collection, police, fire, and emergency medical services, ensuring that the development can be adequately supported by public facilities.

- Staff response: Staff has no objection.

SCHOOL CAPACITY REPORT:
Not applicable.

ORANGE COUNTY NOTIFICATION:
The JPA (Joint Planning Agreement) requires the City to notify the County 30 days before any public hearing or advisory board. The City notified Orange County on March 12, 2026.

PUBLIC HEARING SCHEDULE:
June 9, 2026 – Planning Commission (5:30 P.M.)
August 5, 2026 – City Commission (1:30 P.M.), First Reading
August 19, 2026 - City Commission (6:00 P.M.), Second Reading and Adoption

DULY ADVERTISED:
July 3, 2026 – Apopka Chief
May 26, 2026 – Mailed notices to adjacent property owners
April 20, 2026 – Posters placed on property

LAND USE REPORT:

Relationship of adjacent properties

Direction	Future Land Use	Zoning	Present Use
North	Residential Very Low Suburban	PD	Residential
East	Residential Estate	PD	Residential
South	Residential Very Low Suburban	RSF-1B	Residential
West	Residential Very Low Suburban	RSF-1A	Residential

II. **Land Use Analysis**

The subject properties are located in the Joint Planning Area. The properties are surrounded by Residential Estate with a maximum of 1 dwelling unit per acre, Residential Very Low Suburban, with a maximum density of 2 dwelling units per acre. In addition, Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, with an Institutional/ Public Use land use designation, which makes the land uses of 4410 and 4420 Chandler Road compatable to the proposed Office land use.

The properties are approximately 5.12 acres in size and are located in one of the following areas:

- Wekiva Parkway Interchange Plan Area: No
- Wekiva River Protection Area: No
- Area of Critical State Concern: No

JPA: The City of Apopka and Orange County entered into a Joint Planning Area (JPA) agreement on October 26, 2004. The proposed Small-Scale Future Land Use Amendment request for a change from Mixed Use and Commercial to Industrial is consistent with the terms of the JPA (Second Amendment).

City of Apopka Comprehensive Plan Policies:
Future Land Use Element:
Policy 3.1.j
Office
Primary uses shall be for business and professional offices or institutional land uses with a maximum floor area

ratio of .30 gross floor area. Public facilities or utilities of less than five acres shall also be primary uses.

Transportation Element: Policies 1.1 and 1.2 state that the City of Apopka is a Transportation Concurrency Exception Area.

Infrastructure Element: Policies 1.1.1, 2.1.1 and 5.1.2 state the minimum levels of service for the City's wastewater and water systems as well as the City's solid waste collection service.

Conservation Element: A habitat study will not be required as the development is less than ten (10) acres.

This initial review does not preclude conformance with concurrency requirements at the time of development approval.

FUNDING SOURCE:

Not applicable.

RECOMMENDED MOTION:

Development Review Committee (DRC):

On April 1, 2026, the Development Review Committee (DRC) recommended approval of the change in Future Land Use designation from Residential Very Low Suburban to Office, finding the proposed amendment consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, based on the findings and facts presented in the staff report and exhibits.

Planning Commission:

On June 9, 2026, the Planning Commission unanimously recommended denial of Ordinance No. 3158, the proposed Change of Future Land Use designation from Residential Very Low Suburban to Office, due to concerns of future office uses not being compatible with the surrounding area in the event the proposed child care facility was not constructed on the property.

Recommended Motion – City Commission:

Accept First Reading of Ordinance No. 3158 and hold it over for Second Reading and Adoption.

Note: This item is considered Legislative. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:

1. Ordinance Number 3158
2. Map Series
3. Community Meeting Summary
4. Concept Site Plan
5. Concept Elevation
6. Advertisement May 29
7. Advertisement July 3

ORDINANCE NO. 3158

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING THE FUTURE LAND USE ELEMENT OF THE APOPKA COMPREHENSIVE PLAN OF THE CITY OF APOPKA; CHANGING THE FUTURE LAND USE DESIGNATION FROM RESIDENTIAL VERY LOW SUBURBAN TO OFFICE FOR PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY RICHARD CHANDLER, COMPRISING 5.12 ACRES MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, the City Commission of the City of Apopka adopted the City's Comprehensive Plan by Ordinance No. 653 on October 2, 1991, in accordance with the laws of the State of Florida; and

WHEREAS, the City of Apopka is committed to planning and managing the future growth and development of the City; and

WHEREAS, the City Commission of the City of Apopka has the authority to amend its Comprehensive Plan pursuant to Chapter 163, *Florida Statutes*; and

WHEREAS, the City of Apopka Planning Commission held a public hearing on June 9, 2026, to consider this small-scale amendment to the Future Land Use Map of the Comprehensive Plan and determined that this amendment is not consistent with the City's Comprehensive Plan; and

WHEREAS, the City Commission of the City of Apopka held public hearings to consider this amendment, with due public notice having been provided, to obtain public comment, and considered all written and oral comments received during public hearings, including support documents; and

WHEREAS, the City of Apopka has complied with all requirements and procedures of Florida law in processing this small-scale amendment to the City's Comprehensive Plan; and

WHEREAS, the City Commission of the City of Apopka hereby finds and determines that this amendment is internally consistent with the City's Comprehensive Plan.

NOW THEREFORE, BE IT ORDAINED, by the City Commission of the City of Apopka, Florida, as follows:

Section I. Purpose and Intent. This Ordinance is enacted to carry out the purpose and intent of, and exercise the authority set out in, the Community Planning Act. The City of Apopka has complied with all requirements of Florida Law in processing this ordinance. The recitals set

forth above recitals are hereby adopted.

Section II. Future Land Use Map Amendment. Page 1-32 (Map 1-6) of the Future Land Use Element of the City of Apopka Comprehensive Plan, is hereby amended to change the land use from Residential Very Low Suburban to Office for certain real property generally located West of Jason Dwelley Parkway and South of White Dahlia Drive, comprising 5.12 acres more or less; as shown and further described in Exhibit "A" attached hereto.

Section III. Applicability and Effect. The applicability and effect of the City of Apopka Comprehensive Plan shall be as provided by the Community Planning Act as set forth in Chapter 163, *Florida Statutes*.

Section IV. Severability. If any provision or portion of this Ordinance is declared by any court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining provisions and portions of this Ordinance shall remain in full force and effect.

Section V. Conflicts. All Ordinances or parts of Ordinances in conflict with any of the provisions of this Ordinance are hereby repealed**.**

Section VI. Effective Date. This Ordinance shall become effective thirty-one (31) days after adoption. If challenged within thirty (30) days after adoption, the Ordinance shall become effective after the state land planning agency or the Administration Commission, respectively, issues a final order determining that the adopted small-scale development amendment is in compliance with applicable law.

ADOPTED at a regular meeting of the City Commission of the City of Apopka, Florida, this _____ day of _____, 2026.

READ FIRST TIME: August 5, 2026

READ SECOND TIME AND ADOPTED: _____

ATTEST:

_____ _____

Susan Bone, City Clerk Nicholas L. Nesta III, Mayor

Approved as to form and legal sufficiency:

_____

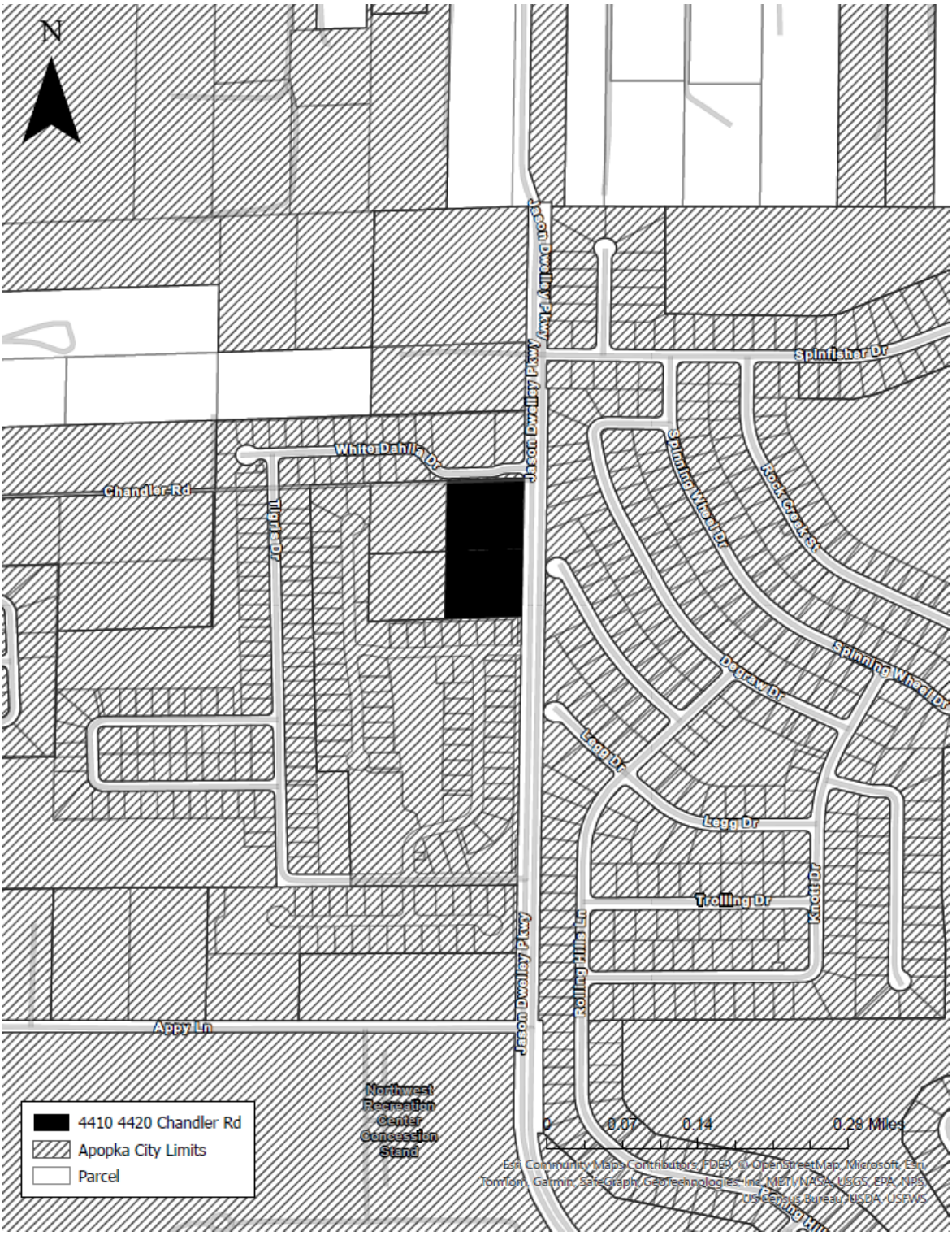
Clifford B. Shepard, City Attorney

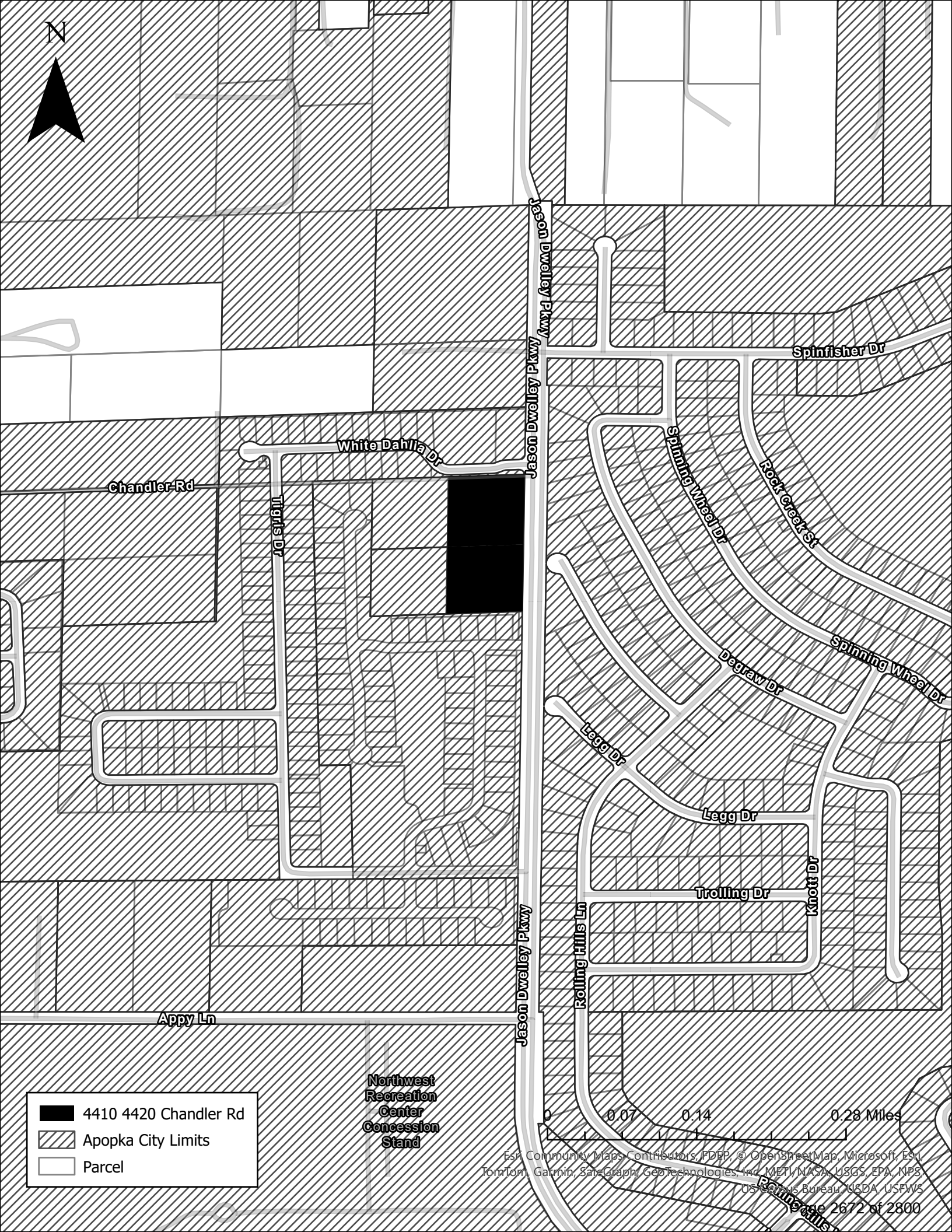
DULY ADVERTISED FOR PUBLIC HEARING: May 29, 2026 and July 3, 2026

1

EXHIBIT "A"
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063

Location Map

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White Dahlia Dr
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Spinning Wheel Dr
Rock Creek St
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Legg Dr
Trolling Dr
Knott Dr
Rolling Hills Ln
Appy Ln
Northwest Recreation Center Concession Stand
4410 4420 Chandler Rd
Apopka City Limits
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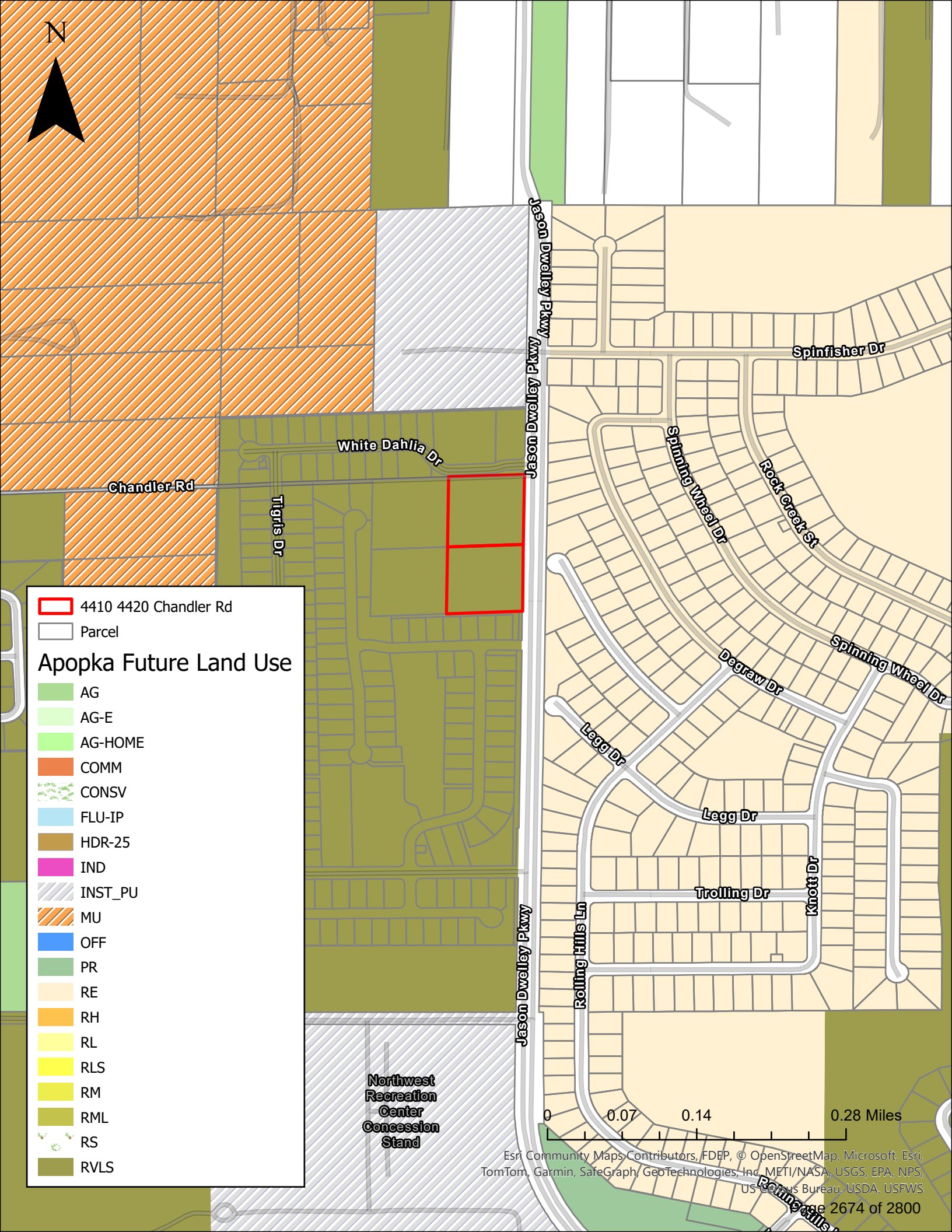
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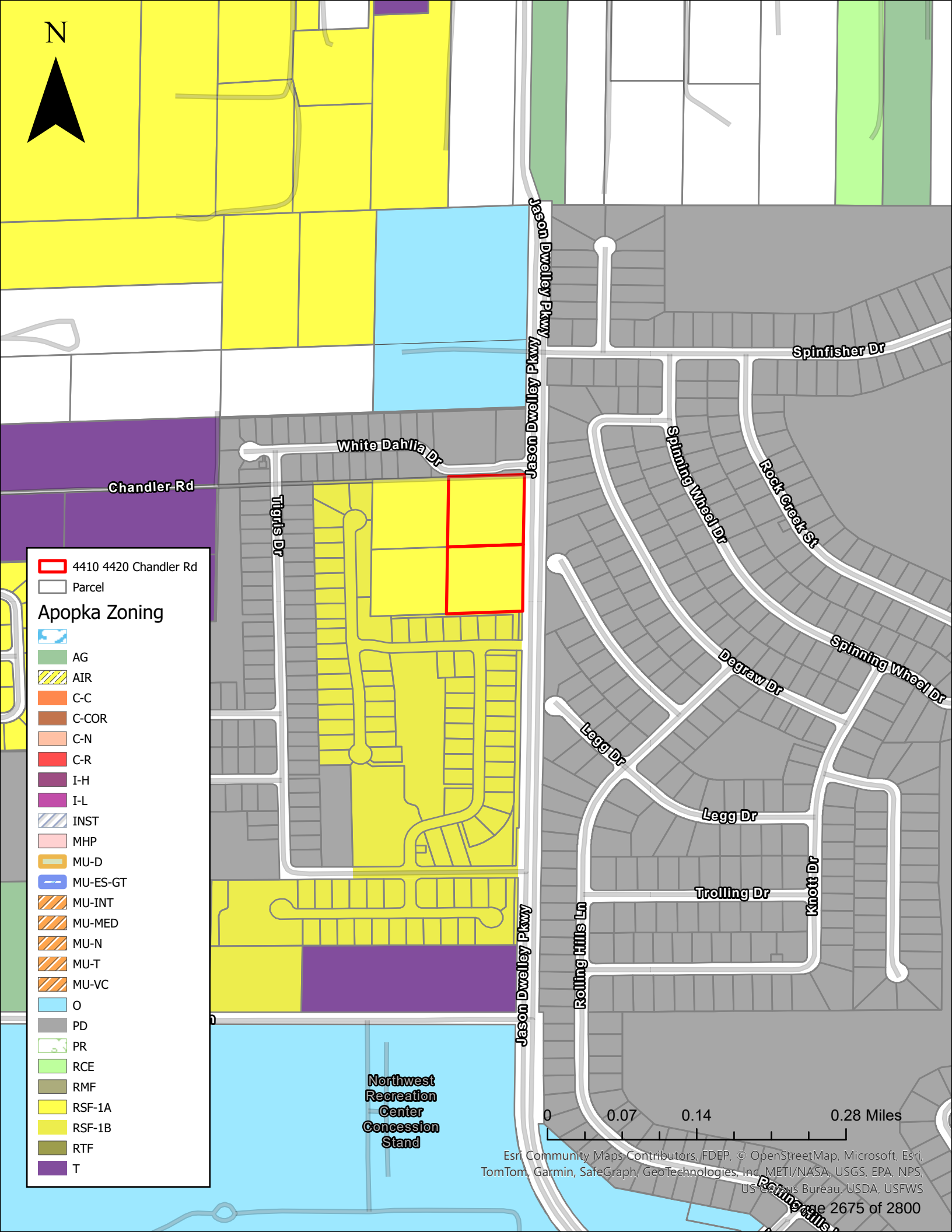
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Joy Child Academy
4410 & 4420 Chandler Road
Apopka, FL 32712

Community Meeting Summary
Special Exception Application
Meeting Date: September 18, 2025
Time: 6:30 p.m. – 7:00 p.m.
Location: Kelly Park School, Room 125

Project Information

The community meeting was held to discuss the proposed rezoning and special exception request for the properties located at **4410 & 4420 Chandler Road**, identified by parcel numbers **18-20-28-0000-00-030 (2.62 acres ±)** and **18-20-28-0000-00-063 (2.50 acres ±)**.

The meeting was hosted by **Camila Neira** on behalf of the property owner and contract purchaser.

Meeting Attendance

The following individuals attended the meeting:
Rick Chandler, Mark Arnold, Joanna Walrsh, Adam Walrsh, Danielle Devinicer, Tim, Chris Thomas, April Thomas, Jose Neira, Latife Neira, Joaquin Carvajal, Bobby Sanders, and Jessica Sanders.

A sign-in sheet was provided during this second community meeting. No other notified members of the community attended.

Project Overview

The proposed development consists of a **15,000-square-foot daycare facility** to be operated as **Joy Child Academy**, an early childhood education center designed to serve approximately **280 children**.

The project aims to meet the needs of the growing Apopka community by providing a safe, nurturing, and educational environment for young children.

Presentation Summary

During the meeting, a **conceptual site plan and building elevations** were presented. Key design and operational elements discussed included:

- A single **right-in/right-out driveway** along **Jason Dwelley Parkway**.
- **On-site circulation** designed to maximize stacking and minimize off-site queuing.
- Daycare operations differ from schools; **drop-off and pick-up occur throughout the day**, requiring parents to park and walk children inside.

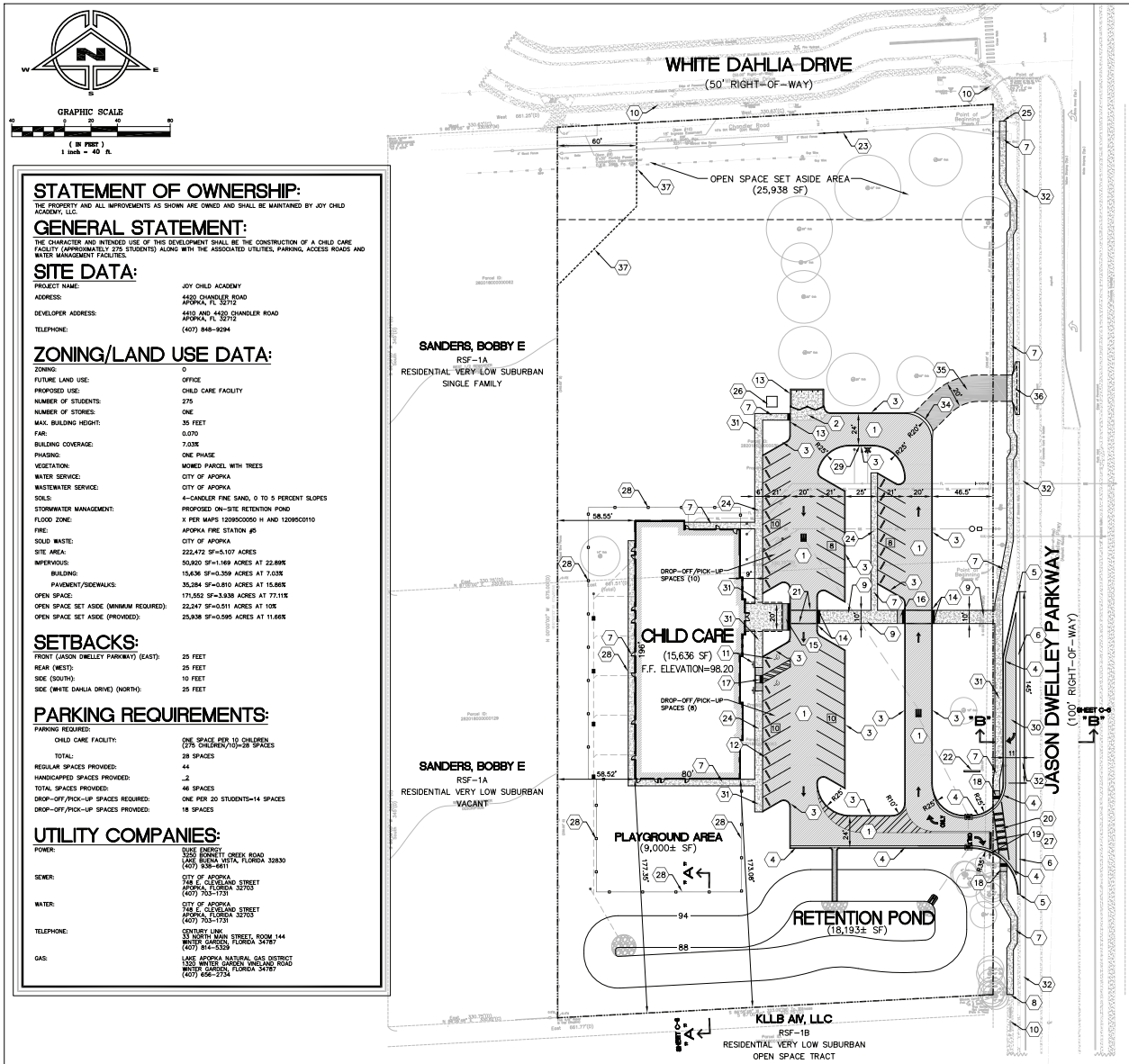
- **Tree preservation** efforts to maintain natural features on site.
- **Child-focused building design** prioritizing safety, visibility, and natural light.
- **Dedicated indoor and outdoor spaces** supporting play, learning, and family engagement.

Community Feedback

Neighbor feedback and questions were discussed during the meeting, including:

- **Use of White Dahlia Drive and Chandler Road** by **Kelly Park School parents during pick-up times** for parking while waiting for their children to arrive.
- **Fencing height** recommendations ranging from **4 to 6 feet** around the facility.

All community input will be taken into consideration as the project continues to progress.



GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

STATEMENT OF OWNERSHIP:

THE PROPERTY AND ALL IMPROVEMENTS AS SHOWN ARE OWNED AND SHALL BE MAINTAINED BY JOY CHILD ACADEMY, LLC.

GENERAL STATEMENT:

THE CHARACTER AND INTENDED USE OF THIS DEVELOPMENT SHALL BE THE CONSTRUCTION OF A CHILD CARE FACILITY (APPROXIMATELY 275 STUDENTS) ALONG WITH THE ASSOCIATED UTILITIES, PARKING, ACCESS ROADS AND WATER MANAGEMENT FACILITIES.

SITE DATA:

PROJECT NAME:	JOY CHILD ACADEMY
ADDRESS:	4420 CHANDLER ROAD APOPKA, FL 32712
DEVELOPER ADDRESS:	4410 AND 4420 CHANDLER ROAD APOPKA, FL 32712
TELEPHONE:	(407) 848-9294

ZONING/LAND USE DATA:

ZONING:	O
FUTURE LAND USE:	OFFICE
PROPOSED USE:	CHILD CARE FACILITY
NUMBER OF STUDENTS:	275
NUMBER OF STORIES:	ONE
MAX. BUILDING HEIGHT:	35 FEET
FAR:	0.070
BUILDING COVERAGE:	7.03%
PHASING:	ONE PHASE
VEGETATION:	MOWED PARCEL WITH TREES
WATER SERVICE:	CITY OF APOPKA
WASTEWATER SERVICE:	CITY OF APOPKA
SOILS:	4-CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES
STORMWATER MANAGEMENT:	PROPOSED ON-SITE RETENTION POND
FLOOD ZONE:	X PER MAPS 12095C0050 H AND 12095C0110
FIRE:	APOPKA FIRE STATION #5
SOLID WASTE:	CITY OF APOPKA
SITE AREA:	222,472 SF=5.107 ACRES
IMPERVIOUS:	50,920 SF=1.169 ACRES AT 22.89%
BUILDING:	15,636 SF=0.359 ACRES AT 7.03%
PAVEMENT/SIDEWALKS:	35,284 SF=0.810 ACRES AT 15.86%
OPEN SPACE:	171,552 SF=3.938 ACRES AT 77.11%
OPEN SPACE SET ASIDE (MINIMUM REQUIRED):	22,247 SF=0.511 ACRES AT 10%
OPEN SPACE SET ASIDE (PROVIDED):	25,938 SF=0.595 ACRES AT 11.66%

SETBACKS:

FRONT (JASON DWELLEY PARKWAY) (EAST):	25 FEET
REAR (WEST):	25 FEET
SIDE (SOUTH):	10 FEET
SIDE (WHITE DAHLIA DRIVE) (NORTH):	25 FEET

PARKING REQUIREMENTS:

PARKING REQUIRED:	
CHILD CARE FACILITY:	ONE SPACE PER 10 CHILDREN (275 CHILDREN/10)=28 SPACES
TOTAL:	28 SPACES
REGULAR SPACES PROVIDED:	44
HANDICAPPED SPACES PROVIDED:	2
TOTAL SPACES PROVIDED:	46 SPACES
DROP-OFF/PICK-UP SPACES REQUIRED:	ONE PER 20 STUDENTS=14 SPACES
DROP-OFF/PICK-UP SPACES PROVIDED:	18 SPACES

UTILITY COMPANIES:

POWER:	DUKE ENERGY 3350 BONNETT CREEK ROAD LAKE BUENA VISTA, FLORIDA 32830 (407) 938-6611
SEWER:	CITY OF APOPKA 748 E. CLEVELAND STREET APOPKA, FLORIDA 32703 (407) 703-1731
WATER:	CITY OF APOPKA 748 E. CLEVELAND STREET APOPKA, FLORIDA 32703 (407) 703-1731
TELEPHONE:	CENTURY LINK 33 NORTH MAIN STREET, ROOM 144 WINTER GARDEN, FLORIDA 34787 (407) 814-5329
GAS:	LAKE APOPKA NATURAL GAS DISTRICT 1320 WINTER GARDEN VINELAND ROAD WINTER GARDEN, FLORIDA 34787 (407) 656-2734

SIGN LEGEND

NO	TEXT	SYMBOL	SIZE
R1-1	STOP	STOP	30"x30"
R3-1	NO RIGHT TURN		24"x24"
R5-1	DO NOT ENTER		30"x30"
R6-1	ONE WAY	(SEE INDEX)	36"x12"
R3-7	LEFT LANE MUST TURN LEFT	(SEE INDEX)	30"x30"

ALL SIGNS SHALL CONFORM w/F.D.O.T. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL DETECTABLE WARNING MATS SHALL BE ARMOR TILE (OR APPROVED ALTERNATE) YELLOW AND CAST IN PLACE ONLY. SURFACE-MOUNTED DETECTABLE WARNING MATS WILL NOT BE ACCEPTED.

INSTALL EXPANSION AND CONTROL JOINTS FOR ALL PROPOSED SIDEWALKS PER SIDEWALK DETAIL ON PLAN SHEET C6.

TYPICAL PARKING SPACE SHALL BE STRIPED WITH 4" WHITE STRIPING.

ALL PARKING SPACES, OTHER THAN HANDICAP SPACES SHALL BE 9' WIDE.

ALL RADII SHALL BE 5' UNLESS OTHERWISE NOTED.

SITE LEGEND

- HANDICAP PARKING
- PROPOSED DRAINAGE INLET
- PROPOSED CURB
- SITE BOUNDARY LINE
- EXISTING EASEMENT (DEPICTED ON PLAN)
- PROPOSED EASEMENT (DEPICTED ON PLAN)
- CENTER LINE OF ROAD
- EXISTING EDGE OF PAVEMENT
- TYP — TYPICAL
- HC — HANDICAP
- 10 — # OF PARKING SPACES
- S/W — SIDEWALK
- R5' — 5' RADIUS
- L.F. — LINEAR FEET
- S.F. — SQUARE FEET
- B.O.C. — BACK OF CURB
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL)
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL)
- PROPOSED ASPHALT PAVEMENT IN RIGHT-OF-WAY (SEE DETAIL)
- PROPOSED CONCRETE PAVEMENT (SEE DETAIL)

KEY NOTES: (#)

1. PROPOSED ASPHALT PAVEMENT (TYP) (SEE DETAIL, THIS SHEET)
2. PROPOSED CONCRETE PAVEMENT (SEE DETAIL, THIS SHEET)
3. PROPOSED FDOT TYPE "D" CURB (TYP) (SEE DETAIL, SHEET C6)
4. PROPOSED FDOT TYPE "F" CURB AND GUTTER (TYP) (SEE DETAIL, SHEET C6)
5. CONNECT TO EXISTING CURB AND GUTTER (CONNECT AT NEAREST EXISTING JOINT)
6. PROPOSED VALLEY GUTTER (SEE DETAIL, SHEET C6)
7. PROPOSED 5' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
8. CONNECT TO EXISTING SIDEWALK
9. PROPOSED 10' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
10. EXISTING 5' WIDE CONCRETE SIDEWALK
11. PROPOSED HANDICAP SPACE AND SIGN (TYP-2) (SEE DETAILS, SHEET C6)
12. PROPOSED CONCRETE WHEELSTOP (TYP) (2 FEET MINIMUM FROM FACE OF CURB) (SEE DETAIL, SHEET C6)
13. PROPOSED MASONRY DUMPSTER ENCLOSURE (SEE SEPARATE PLANS BY ARCHITECT) (TO BE PERMITTED SEPARATELY)
14. TRANSITION CURB DOWN AT 4:1
15. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-E (MODIFIED TO BE 20' WIDE) (SEE DETAIL, SHEET C6)
16. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-E (MODIFIED TO BE 10' WIDE) (SEE DETAIL, SHEET C6)
17. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-C (SEE DETAIL, SHEETS C6)
18. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-F (SEE DETAIL, SHEETS C6)
19. PROPOSED R1-1 (SEE DETAIL, THIS SHEET) AND 24" WIDE THERMOPLASTIC STOP BAR (STOP BAR TO BE LOCATED MINIMUM 5' FROM ADJACENT CROSS-WALK)
20. PROPOSED 12" WIDE WHITE THERMOPLASTIC SPECIAL EMPHASIS CROSS-WALK STRIPING (AT 7' ON CENTER) PER FDOT STANDARD PLAN INDEX 711-001
21. PROPOSED 12" WHITE THERMOPLASTIC STRIPING AT 10' ON CENTER (TYP-2)
22. PROPOSED SIGN LOCATION (SEE PLANS BY OTHERS) (EXACT LOCATION AND SIGN DESIGN TO BE PERMITTED SEPARATELY)
23. PROPOSED RE-USED SECTION OF FENCE (SEE PLAN SHEET D1)
24. PROPOSED SIDEWALK ADJACENT TO PARKING (SEE DETAIL, SHEET C6)
25. CONNECT TO EXISTING CONCRETE DRIVEWAY
26. PROPOSED TRANSFORMER PAD LOCATION (SEE SITE ELECTRICAL PLAN FOR EXACT LOCATION AND ADDITIONAL INFORMATION)
27. INCLUDE "RIGHT TURN ONLY" SIGN
28. PROPOSED FENCE (SEE SEPARATE PLANS BY OTHERS)
29. PROVIDE FIRE LANE STRIPING AND SIGNAGE IN THIS AREA FOR HYDRANT AND FDC
30. PROPOSED ASPHALT PAVEMENT IN RIGHT-OF-WAY (TYP) (SEE DETAIL, THIS SHEET)
31. PROPOSED 6' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
32. EXISTING 4' WIDE BIKE LANE
33. --
34. PROPOSED FDOT TYPE "E" CURB AND GUTTER (INCLUDE 6' LONG TRANSITION PIECES ON ENDS) (SEE DETAIL, SHEET C6)
35. PROPOSED 20' WIDE STABILIZED DRIVEWAY (SODDED WITH BAHIA SOD)
36. PROPOSED DROP CURB AND CONCRETE DRIVEWAY TURNOUT PER FDOT STANDARD PLAN INDEX 522-003
37. PROPOSED CROSS-ACCESS EASEMENT
38. PROPOSED LIGHTPOLE (SEE SITE ELECTRICAL PLAN FOR ADDITIONAL INFORMATION)

STANDARD ASPHALT PAVEMENT

1. 1.5" F.D.O.T. TYPE SP 9.5 ASPHALT CONC.
2. 6" LIMEROCK (LBR=120) COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DENSITY (AASHTO T-180)
3. 12" STABILIZED SUB-BASE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAX. DENSITY (ASTM D-1557, AASHTO T-180)

ON-SITE PAVEMENT DETAIL (KEYNOTE #1, SHEET C1)
(FOR ASPHALT SURFACE ON SITE)
N.T.S.

STANDARD ASPHALT PAVEMENT

1. 3" F.D.O.T. TYPE SP 9.5 ASPHALT CONC.
2. 10" LIMEROCK (LBR=120) COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DENSITY (AASHTO T-180)
3. 12" STABILIZED SUB-BASE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAX. DENSITY (ASTM D-1557, AASHTO T-180)

R/W PAVEMENT DETAIL (KEYNOTE #1, SHEET C1)
(FOR ASPHALT SURFACE ON SITE)
N.T.S.

STANDARD CONCRETE PAVEMENT

1. 6" OR 8" (SEE PLAN SHEET C-1) PORTLAND CEMENT (6x6 10/10 WWF) DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT PORTLAND CEMENT ASSOCIATION RECOMMENDED METHODS WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. PROVIDE CONTRACTION JOINTS AT A MAXIMUM SPACING OF 12 FEET. PROVIDE EXPANSION JOINTS PER GEOTECHNICAL REPORT.
2. 12" SUBGRADE CONSISTING OF FREE DRAINING NATURAL FINE SAND OR FINE SAND FILL. SUBGRADE (LBR=40) TO BE COMPACTED TO A MINIMUM DENSITY OF 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (ASTM D-1557).

ON-SITE PAVEMENT DETAIL (KEYNOTE #2, SHEET C1)
(FOR CONCRETE SURFACE ON SITE)
N.T.S.

NOTE: REPRODUCTION OF THIS PLAN IS INVALID UNLESS CONTAINING ORIGINAL SIGNATURE AND EMBOSSED WITH ENGINEER'S SEAL AS PER CHAPTER 21H.23.002 FLORIDA ADMINISTRATIVE CODE.

DATE	REVISION	BY
9-16-25	AS PER CITY/AJ/MMD	M.C.
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--	--	--
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--	--	--

mitchellcollinspe, inc.
1401 east broadway, suite 103 407.810.5557
orlando, fl 32803 407.448.8979
mitchellcollinspe.com

SITE LAYOUT PLAN/PARKING PLAN
FOR
JOY CHILD ACADEMY

JASON DWELLEY PARKWAY — APOPKA, FLORIDA

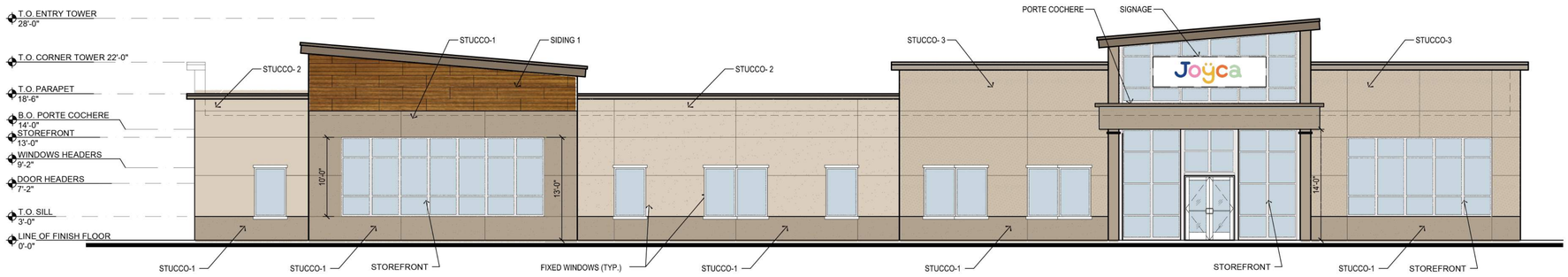
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MITCH COLLINS, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MITCH COLLINS, P.E.# 54608,
STATE OF FLORIDA, C.A.# 9523

DATE

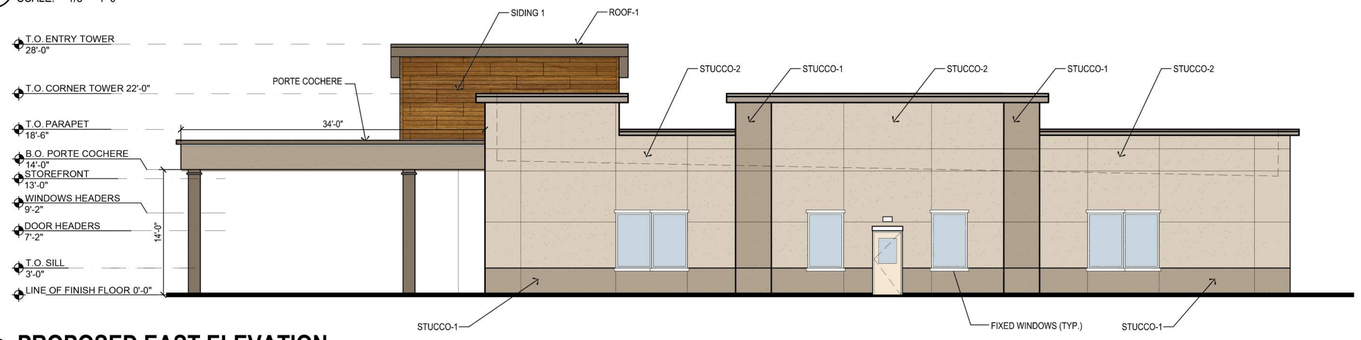
BRONSON M. COLLINS * LICENSE No. 54608 * STATE OF FLORIDA * PROFESSIONAL ENGINEER

SCALE	1" = 40'
DRAWN BY	M.C.
DATE	8-16-25
CHECKED BY	M.C.
JOB NO	225-024
SHEET NO	C1 OF C8



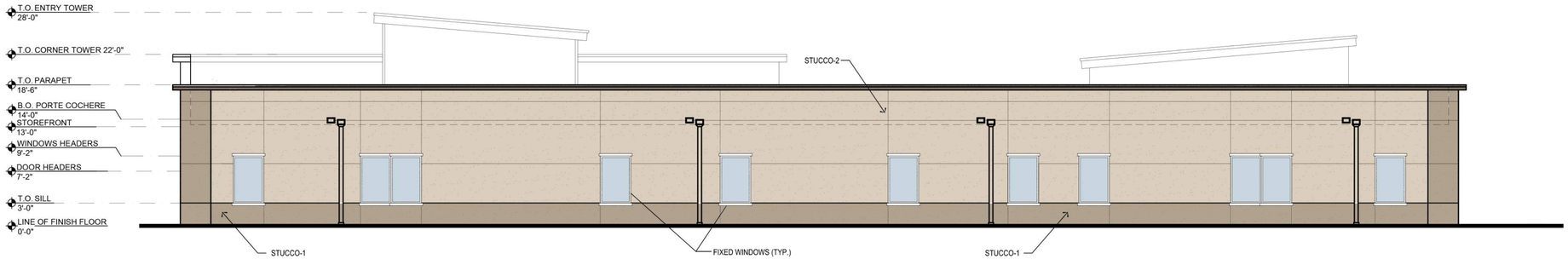
1 PROPOSED NORTH ELEVATION

SCALE: 1/8" = 1'-0"



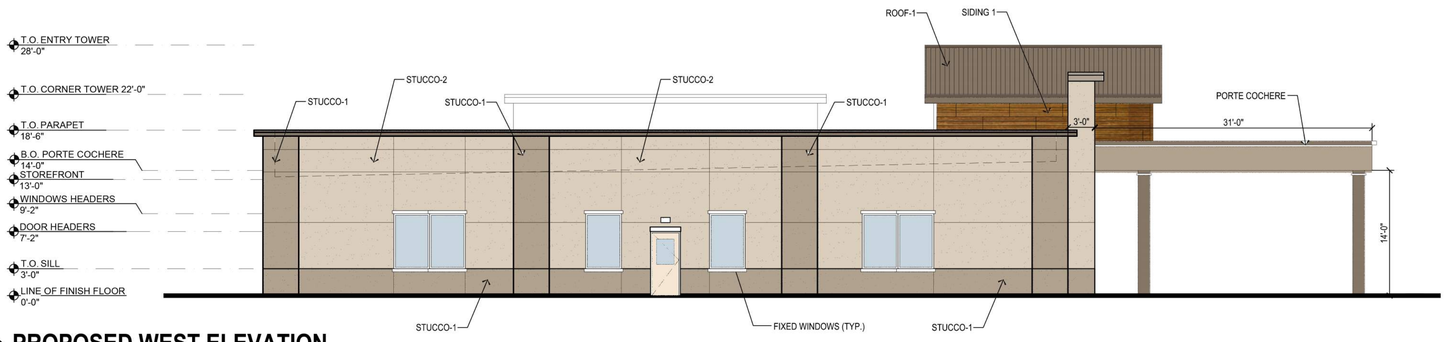
2 PROPOSED EAST ELEVATION

SCALE: 1/8" = 1'-0"



3 PROPOSED SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



4 PROPOSED WEST ELEVATION

SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL SCHEDULE

LABEL	MANUFACTURER	SIZE/TYPE	FINISH COLOR
STOREFRONT	KAWNEER	TRIFAB 451T / 350	ANODIZED ALUMINUM
DOOR	-	PER DOOR SCHEDULE	FACTORY PRIMED. BEIGE
FIXED WINDOW		VINYL FIXED WINDOWS	ANODIZED ALUMINUM
SANDSTONE WALL PANELS			
SIDING-1	NICHIHA	17 7/8 H X 71 9/16, STAGGERED	TBD
SILL-1	MODERN PRECAST	3 3/4" H 3 1/2" W W/2" FLAT W1/4" DRIP EDGE	TBD
STUCCO-1	DRYVIT		SW 7038 Tony Taupe
STUCCO-2	DRYVIT		SW 7517 Rivers edge
SRUCCO-3	DRYVIT		SW 7524 Dhurrie Beige
ROOF-1	TBD	METAL ROOF	TBD

Jarmel Kizel
ARCHITECTS AND ENGINEERS INC.
42 OKNER PARKWAY
LIVINGSTON, NEW JERSEY 07039
TEL: 973-994-9669
FAX: 973-994-4069
www.jarmelkizel.com

Architecture
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Interior Design
Implementation Services

NJ State Board Of Architects Authorization No: 21AC00016100
NJ State Board Of Engineers & Land Surveyors Authorization No: 24GA28053000

ISSUE

NO.	DATE	DESCRIPTION	INT.

REVISION

NO.	DATE	DESCRIPTION	INT.

PRINCIPALS
MATTHEW B. JARMEL, AIA, MBA
RICHARD A. JARMEL, PE
IRWIN H. KIZEL, AIA, PP

ARCHITECTS & ENGINEERS
BEATRIZ BARRERES, RA
JEREMY D. BOYER, AIA
ANDRZEJ B. BRZOZOWSKI, PE
RUIQIN CHEN, PE
SHANNON CROWNOVER, PE
THOMAS DAFONSECA, PE
ANDRE E. DIBI, PE
ANTHONY FACCHINO, PE, PLS, PP
GERARD P. GESARIO, PE
JONATHAN KUYBIDA, AIA
KAROLINA PODKANOWICZ, AIA
RENATA MALDONADO E REZENDE, AIA, LEED AP
CHERYL SCHWEIKER, AIA
STEVEN J. VAZ, PE

Project:
JOY CHILD ACADEMY
4410 CHANDLER ROAD
APOPKA, FL

Project Number:	Scale:
JOY25-2020	AS NOTED
Drawn By:	Approved By:
FA	CS

Drawing Name:
PROPOSED ELEVATIONS

Drawing Number:
SA-1.2

Initial Date:

ARCHITECT OF RECORD

MATTHEW B. JARMEL, AIA, MBA
NJ LIC 21AI01237

H:\DRAWINGS\JOY CHILD ACADEMY 25-2020 - JOY CHILD ACADEMY APOPKA\FL 4410 CHANDLER RD\SPACE PLANS\JOY25-2020 ELEVATIONS.DWG FATMA ASADURIAN PLOTTED: 9/12/2025 5:50 PM

CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

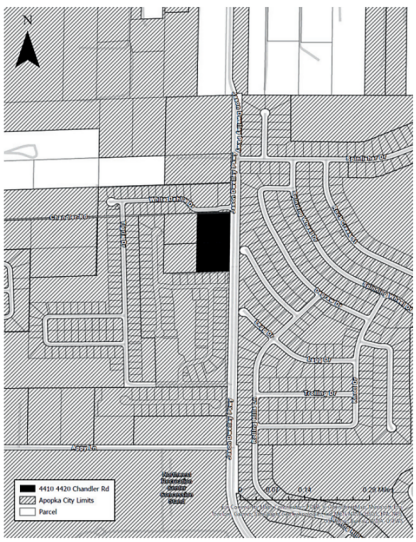
NOTICE is hereby given that **Camila Neira** has made application relating to the properties located at 4410 Chandler Road and 4420 Chandler Road, Apopka, Florida 32703 shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

ORDINANCE NO. 3158

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM RESIDENTIAL VERY LOW SUBURBAN TO OFFICE, FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3159

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY ESTATE) TO O (OFFICE), FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 18-20-28-0000-00-030 and 18-20-28-0000-00-063
Contains: 5.12 +/- Acres

Notice is given that the **City of Apopka Planning Commission** will hold public hearings for **Ordinance Number 3158 and 3159** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Tuesday, June 9, 2026 beginning at 5:30 P.M.**, or as soon thereafter as possible.

FURTHER NOTICE is given that public hearings for **Ordinance Number 3158 and 3159** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, July 1, 2026 beginning at 1:30 P.M., and Wednesday, July 15, 2026 beginning at 7:00 P.M.**, or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development Department

May 29, 2026

CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

NOTICE is hereby given that **Camila Neira** has made application relating to the properties located at 4410 Chandler Road and 4420 Chandler Road, Apopka, Florida 32703 shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

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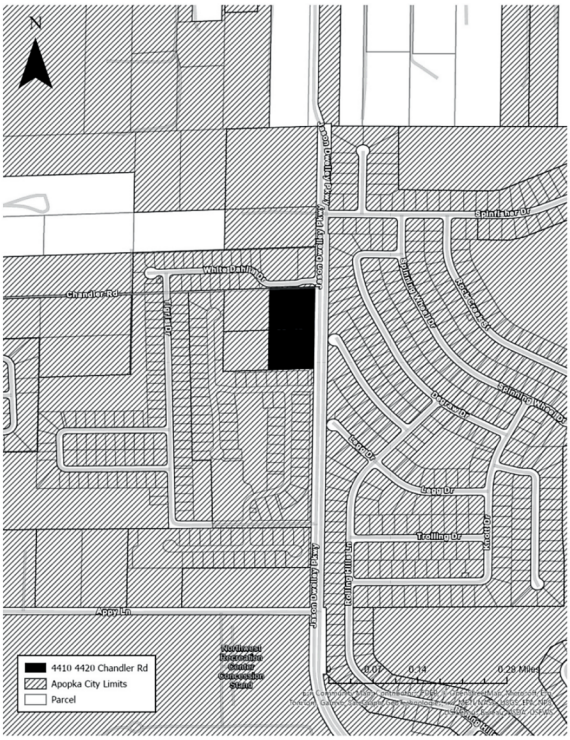
AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM RESIDENTIAL VERY LOW SUBURBAN TO OFFICE, FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3159
AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY ESTATE) TO O (OFFICE), FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 18-20-28-0000-00-030 and 18-20-28-0000-00-063
Contains: 5.12 +/- Acres

NOTICE is given that public hearings for **Ordinance Number 3158 and 3159** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, July 15, 2026 beginning at 6:00 P.M.** or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development Department

July 3, 2026

City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 3.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Ordinance No. 3159 – First Reading - Quasi-Judicial – Change of Zoning – 4410 Chandler Road and 4420 Chandler Road

ACTION ITEM INFORMATION:
Owner(s): Richard Chandler
Applicant: Camila Neira
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
Location: 4410 Chandler Road, 4420 Chandler Road
Existing Zoning: RSF-1A (Residential Single-Family-Estate)
Proposed Zoning: O (Office)
Existing Use(s): Residential
Existing Future Land Use: Residential Very Low Suburban
Proposed Future Land Use: Office
Tract Size: 5.12 +/- Acres
Proposed Use: Child care facility
Project Manager: Jun Sohn, Ph.D.

REQUEST:
Accept First Reading of Ordinance No. 3159 and hold it over for Second Reading and Adoption.

SUMMARY:
Owner(s): Richard Chandler
Applicant: Camila Neira
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063
Location: 4410 Chandler Road, 4420 Chandler Road
Existing Zoning: RSF-1A (Residential Single-Family-Estate)
Proposed Zoning: O (Office)
Existing Use(s): Residential
Existing Future Land Use: Residential Very Low Suburban
Proposed Future Land Use: Office
Tract Size: 5.12 +/- Acres
Proposed Use: Child care facility

Direction	Future Land Use	Zoning	Present Use
North	Residential Very Low Suburban	PD	Residential
East	Residential Estate	PD	Residential

South	Residential Very Low Suburban	RSF-1B	Residential
West	Residential Very Low Suburban	RSF-1A	Residential

PROJECT SUMMARY:

The subject properties, which are approximately 5.12 acres in size, are located at 4410 Chandler Road and 4420 Chandler Road. The current use is residential. The applicant is requesting rezoning of the properties from RSF-1A (Residential Single-Family-Estate) to O (Office) for 4410 Chandler Road and 4420 Chandler Road for the new development of a child care facility to be consistent with the Comprehensive Plan and Land Development Code.

Per the Apopka Land Development Code, Table 4.2.2.C. Principal Use Table, the child care facility is under the category of Public, Civic, and Institutional Uses, and it is permitted in the Office zoning district with an approved Special Exception from the Planning Commission. Therefore, the requested zoning of Office will be compatible with the proposed use of the child care facility on the subject parcels. The zoning of the Jason Dwelley K-8 school located to the north is Office.

A Special Exception for the Child Care Facility use was approved on July 24, 2025 by the Planning Commission, with the current land use and zoning of Residential Very Low Suburban and RSF-1A. After approval of the Special Exception, the applicant submitted a Site Plan for a maximum student capacity of 275 students, and, per the applicant, this is the number of students that meets Florida Statute requirements.

During the site plan review process, staff indicated to the applicant that Land Development Code (LDC) Section 4.2.3.D.2.b.7,(c) states the maximum number of children to attend the facility shall be limited in residential zoning districts by the number of persons per household, as projected in the Apopka Comprehensive Plan and the maximum number of dwellings per acre permitted in the Future Land Use District in which the proposed site is located. Per the 2030 Comprehensive Plan, Table 2-1 Population projections, the total population in 2030 is projected at 125,538. Per the 2030 Comprehensive Plan, Table 2-19 Population projections, Estimated and Projected Households by Size, the total households in 2030 are projected at 44,193. Therefore, the number of persons per household is approximately 2.84 (125,538 ÷ 44,193).

With the existing Future Land Use designation of Residential Very Low Suburban allowing a maximum density of 2 dwelling units per acre for a property of 5.12 acres, the maximum student capacity is 29 students (2.84 persons per household * 5.12 acres * 2 dwelling units per acre = 29.08.

Upon notification of this requirement to the applicant, it was noted that changing the future land use and zoning of the subject properties from residential to Office would remove the maximum student capacity as that is not applicable in the Office future land use and zoning categories, if approved. The K-8 school located to the north of the subject parcels on Jason Dwelley Parkway has a zoning of Office and a future land use designation of Institutional/Public Use as Policy 3.1.p of the future land use element of the Comprehensive Plan only permits public buildings and facilities to have a Institutional/Public Use future land use designation. If the change of future land use and rezoning are approved, the applicant is required to obtain approval for a new Special Exception permit from the Planning Commission within the Office zoning district of the properties. If the change of future land use and zoning to Office is not approved, the maximum student restriction will remain on the property in accordance with LDC Section 4.2.3.D.2.b.7,(c).

After the change of future land use and rezoning, the applicant is required to obtain approval for a new special exception permit within the new zoning district of the properties.

TABLE 2- 1: POPULATION PROJECTIONS, 2010-2030

Year	Permanent and Institutional Population	Seasonal Population*	Total Population
2010	41,382**	601	41,983
2015	56,138	815	56,953
2020	73,226	1,063	74,289
2025	97,330	1,413	98,743
2030	123,741	1,797	125,538

* Seasonal population based on 2000 Census percentage of seasonal units (.0013%)

**2010 estimate calculated based on building permits issued between 4/1/09 and 3/31/10.

Source: U.S. Census 2000; City of Apopka, 2010

TABLE 2- 19: ESTIMATED AND PROJECTED HOUSEHOLDS BY SIZE, 2000-2030

Household Size	2000		2010		2015		2020		2025		2030	
	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total	# Units	% of Total
1-2 Persons	5,083	53	7,833	53	10,626	53	13,861	53	18,423	53%	23,422	53
3-4 Persons	3,348	35	5,173	35	7,017	35	9,153	35	12,166	35%	15,468	34
5 or more Persons	1,188	12	1,774	12	2,406	12	3,138	12	4,171	12%	5,303	13
Total Households	**9,619**	**100**	**14,779**	**100**	**20,049**	**100**	**26,152**	**100**	**34,761**	**100**	**44,193**	**100**

Source: Shimberg Center for Affordable Housing, 2006; Land Design Innovations (projections).

Land Development Code Section 2.5.1.D.3 requires the Council to weigh the relevance of and consider whether and the extent to which the proposed amendment:

a. Is consistent with and furthers the goals, objectives and policies of the comprehensive plan and other adopted City plans;

- Applicant's response: The proposed Future Land Use amendment supports the goals and objectives of the City's Comprehensive Plan by allowing development that provides a needed community service while maintaining compatibility with surrounding uses. The proposed daycare facility will support local families and promote access to early childhood education. The request also supports orderly growth by allowing an institutional use that is consistent with nearby educational and office uses.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use has a zoning of Office. Similar uses are found in the surrounding area.

b. Is in conflict with any provisions of the LDC;

- Applicant's response: The proposed amendment is not in conflict with the City's Land Development Code. Any future development of the site will comply with all applicable requirements of the Land Development Code, including site development standards, buffering, landscaping, parking, access, and stormwater management regulations.
- Staff response: Staff has no objection. Development plans will be required to be consistent with the Comprehensive Plan and Land Development Code.

c. Addresses a demonstrated community need;

- Applicant's response: The amendment addresses a demonstrated need for childcare services within the community. As the population in the area continues to grow, access to quality daycare and early childhood education facilities becomes increasingly important for working families. The proposed daycare will provide a valuable service to nearby residents and families associated with the neighboring school.
- Staff response: Staff has no objection.

d. Is required by changed conditions;

- Applicant's response: Changed conditions in the surrounding area support the requested amendment. The subject property is located adjacent to an existing school that is already zoned for office or institutional use. Over time, the area has evolved to include educational and community-oriented services. The proposed amendment reflects this transition and allows the property to be used in a manner compatible with surrounding development.
- Staff response: Staff has no objection. Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use has a zoning of Office. Similar uses are found in the surrounding area.

e. Is compatible with existing and proposed uses surrounding the subject land, and is the appropriate zoning district for the land;

- Applicant's response: The proposed use is compatible with surrounding development. The property is located next to an existing school and other institutional or office-type uses, making the Office designation appropriate for the site. A daycare facility is a low-intensity use that operates primarily during daytime hours and complements the educational character of the surrounding area.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use has a zoning of Office. Similar uses are found in the surrounding area.

f. Would result in a logical and orderly development pattern;

- Applicant's response: Approving this amendment would create a logical and orderly development pattern by aligning the land use designation with nearby properties that already support institutional and office uses. The proposed daycare facility represents a transitional use that fits well between residential areas and existing educational facilities.
- Staff response: Staff has no objection. Kelly Park School (K-8) is approximately 350 feet north of 4410 and 4420 Chandler Road, which is Institutional use has a zoning of Office. Similar uses are found in the surrounding area.

g. Would not result in significant adverse impacts on the natural environment—including, but not limited to, water, air, noise, stormwater management, wildlife, vegetation, wetlands, and the natural functioning of the environment; and

- Applicant's response: The proposed development is not expected to result in significant adverse environmental impacts. The project will comply with all applicable environmental regulations and City development standards related to stormwater management, drainage, landscaping, and environmental protection. As a low-intensity use, a daycare facility is not expected to generate substantial noise, emissions, or environmental disturbance. Operational hours are Monday thru Friday from 6AM to 6:30 PM.
- Staff response: Staff has no objection.

h. Would result in development that is adequately served by public facilities (e.g., streets, potable water, sewerage, stormwater management, solid waste collection and disposal, schools, parks, police, and fire and emergency medical facilities).

- Applicant's response: The property is located in an area that is already served by existing public infrastructure and municipal services. The proposed development will have access to existing streets and will connect to available potable water, sanitary sewer, and stormwater management

systems in accordance with City requirements. The site is also served by existing public services including solid waste collection, police, fire, and emergency medical services, ensuring that the development can be adequately supported by public facilities.

- Staff response: Staff has no objection.

SCHOOL CAPACITY REPORT:
Not applicable.

ORANGE COUNTY NOTIFICATION:
The JPA (Joint Planning Agreement) requires the City to notify the County 30 days before any public hearing or advisory board. The City notified Orange County on March 12, 2026.

PUBLIC HEARING SCHEDULE:
June 9, 2026 – Planning Commission (5:30 P.M.)
August 5, 2026 – City Commission (1:30 P.M.), First Reading
August 19, 2026 - City Commission (6:00 P.M.), Second Reading and Adoption

DULY ADVERTISED:
July 3, 2026 – Apopka Chief
May 26, 2026 – Mailed notices to adjacent property owners
April 20, 2026 – Posters placed on property

FUNDING SOURCE:
Not applicable.

RECOMMENDED MOTION:
Development Review Committee (DRC):
On April 1, 2026, the Development Review Committee (DRC) recommended approval of the Change of Zoning from RSF-1A (Residential Single-Family-Estate) to O (Office), finding the proposed change consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, based on the findings and facts presented in the staff report and exhibits.

Planning Commission:
On June 9, 2026, the Planning Commission unanimously recommended denial of Ordinance No. 3159, the proposed Change of Zoning from RSF-1A (Residential Single-Family-Estate) to O (Office), due to concerns of future office uses not being compatible with the surrounding area in the event the proposed child care facility was not constructed on the property.

Recommended Motion – City Commission:
Accept First Reading of Ordinance No. 3159 and hold it over for Second Reading and Adoption.

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:
1. Ordinance Number 3159
2. Map Series
3. Community Meeting Summary
4. Concept Site Plan
5. Concept Elevation
6. Advertisement May 29
7. Advertisement July 3

ORDINANCE NO. 3159

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY-ESTATE) TO O (OFFICE) FOR CERTAIN REAL PROPERTIES GENERALLY LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY RICHARD CHANDLER, COMPRISING 5.12 MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage the growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, Camila Neira has requested a change in zoning on said properties as identified in Section I of this ordinance; and

WHEREAS, the proposed O (Office) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Commission of the City of Apopka, Florida, as follows:

Section I. That the zoning classification of the property described in Exhibit A, being situated in the City of Apopka, Florida, is hereby O District, as defined in the Apopka Land Development Code, and with the following provision:

Section II. That the zoning classification is consistent with the Comprehensive Plan of the City of Apopka, Florida. The applicant shall obtain all approvals as required, if any, per the Orange County Charter and the Amended Interlocal Agreement for Public School Facility Planning and Implementation of Concurrency.

Section III. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

Section IV. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

Section V. That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section VI. That this Ordinance shall take effect upon the date of adoption.

ADOPTED at a regular meeting of the City Commission of the City of Apopka, Florida, this ____ day of_____, 2026.

READ FIRST TIME: August 5, 2026

READ SECOND TIME AND ADOPTED: _____

ATTEST:

_____ _____

Susan Bone, City Clerk Nicholas L. Nesta III, Mayor

Approved as to form and legal sufficiency:

_____

Cliff Shepard, City Attorney

DULY ADVERTISED FOR PUBLIC HEARING: May 29, 2026 and July 3, 2026

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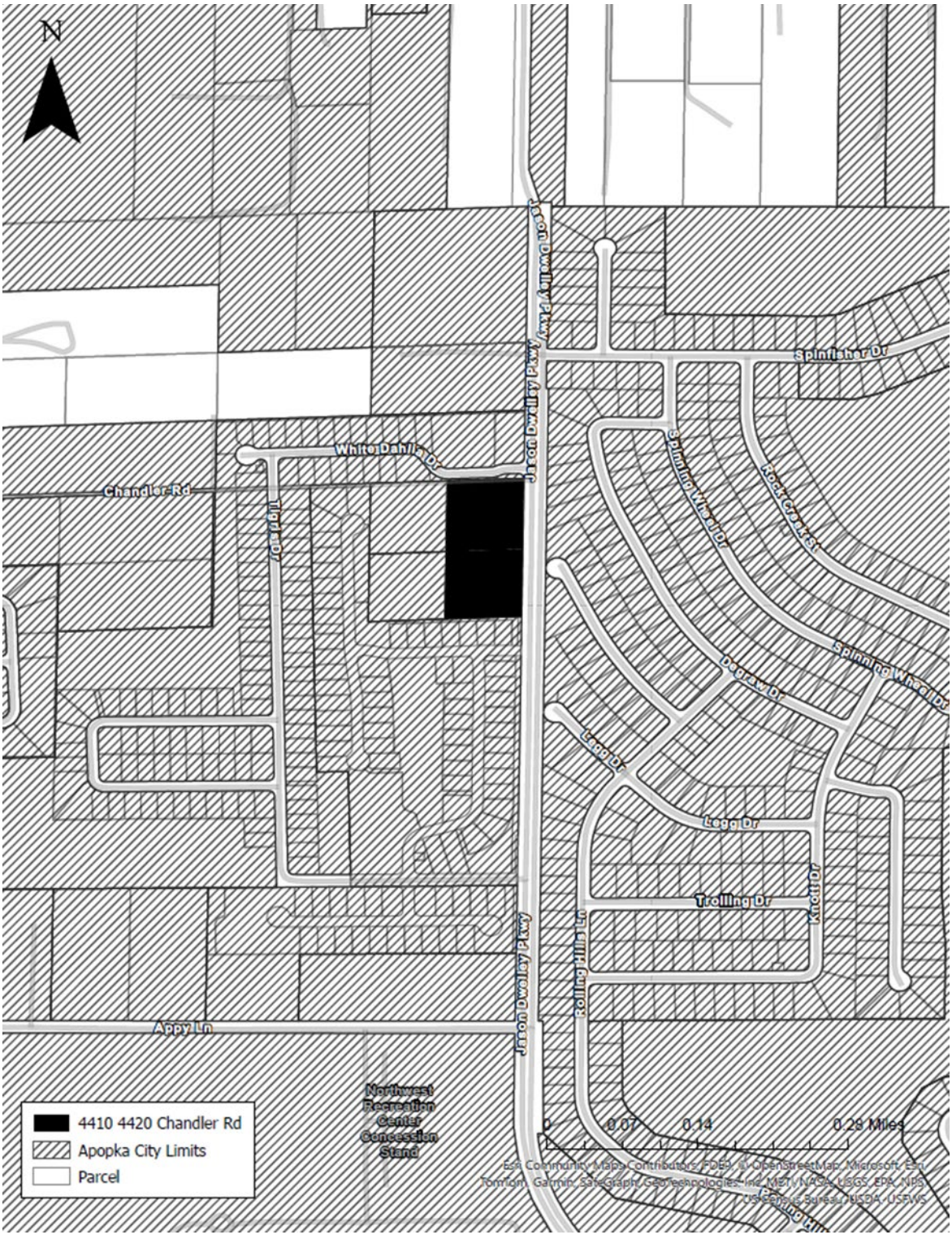
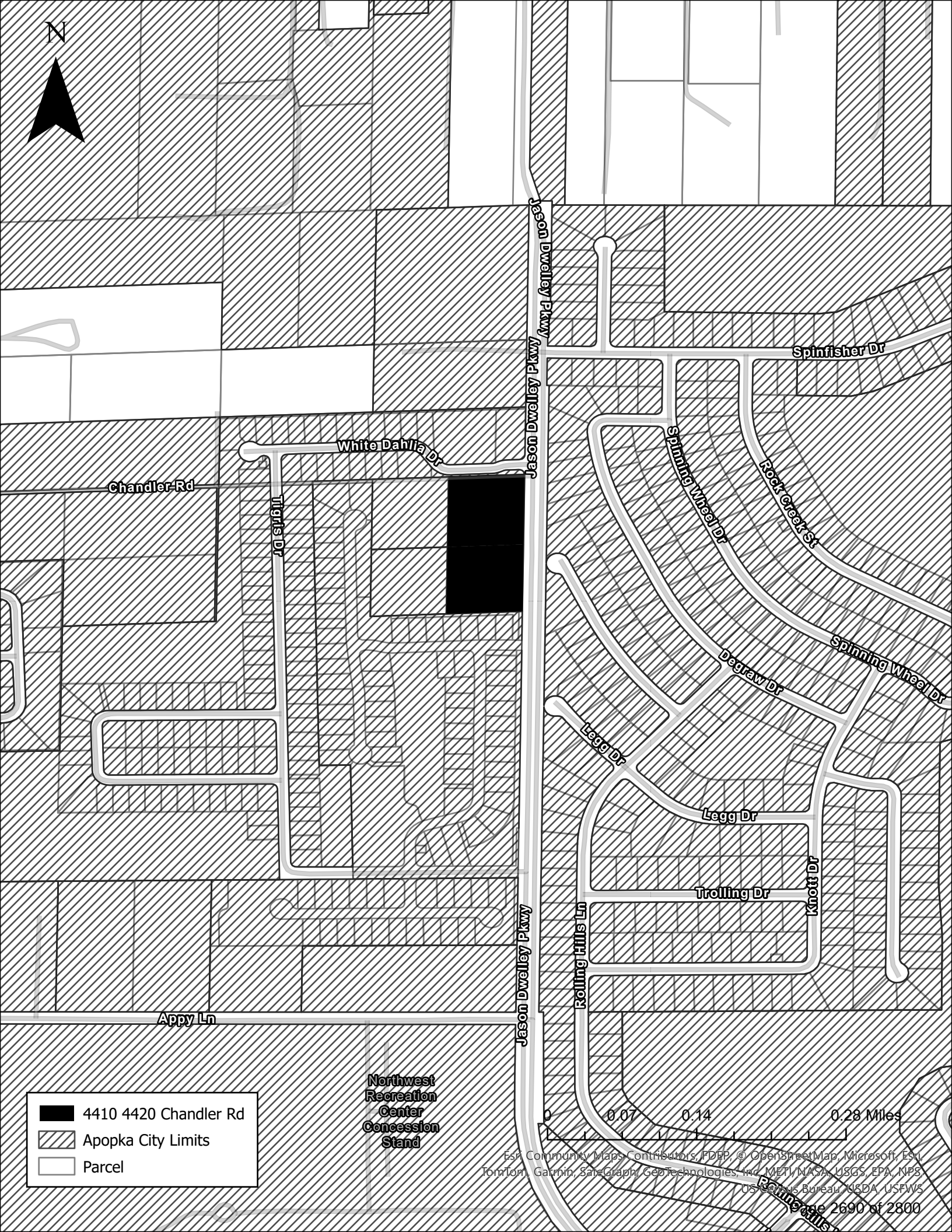
EXHIBIT "A"
Parcel Identification Number(s): 18-20-28-0000-00-030, 18-20-28-0000-00-063

Location Map

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Chandler Rd
Tigris Dr
Spinning Wheel Dr
Rock Creek St
Degraw Dr
Legg Dr
Trolling Dr
Knott Dr
Rolling Hills Ln
Appy Ln
Northwest Recreation Center Concession Stand
4410 4420 Chandler Rd
Apopka City Limits
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0.28 Miles
Esri Community Maps Contributors, FDEP, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS


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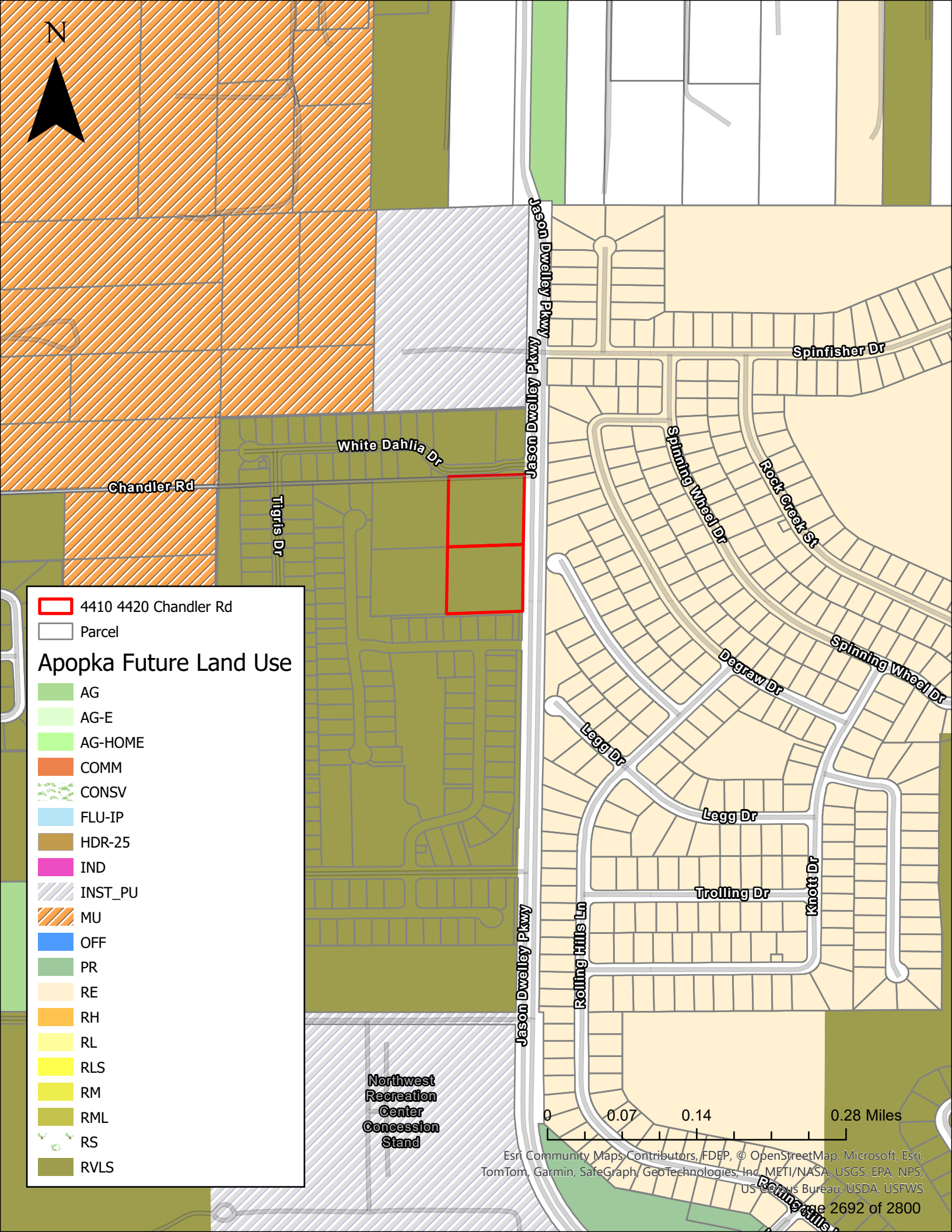
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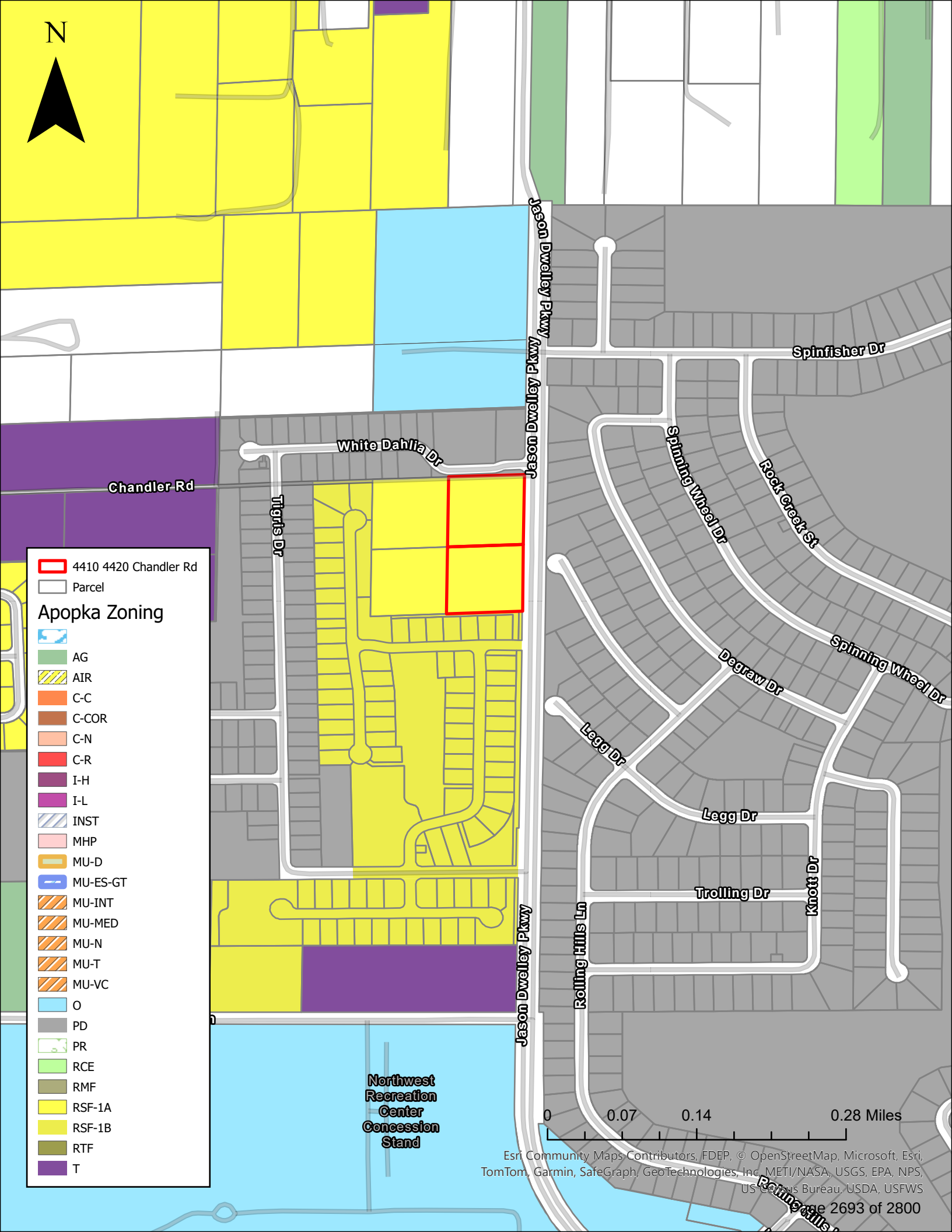
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COMMUNITY MEETING NOTIFICATION LETTER
Subject: Rezoning of 4410 & 4420 Chandler Rd , Apopka, FL, 32712

Dear Property Owner,

Apopka Child Academy LLC would like to invite you to attend a Community Awareness and Participation (CAP) Meeting to discuss the proposed development. The proposed rezoning is located at 4410 & 4420 Chandler Rd , Apopka, FL, 32712. The meeting will be held in person on the following date and Time:

September 18th, 2025 at 6:30pm - 7:30pm
Join us at Kelly Park School
4700 Jason Dwelley Pkwy, Apopka, FL, 32712
Library- Room # 125

A daycare center will be constructed as part of this development.

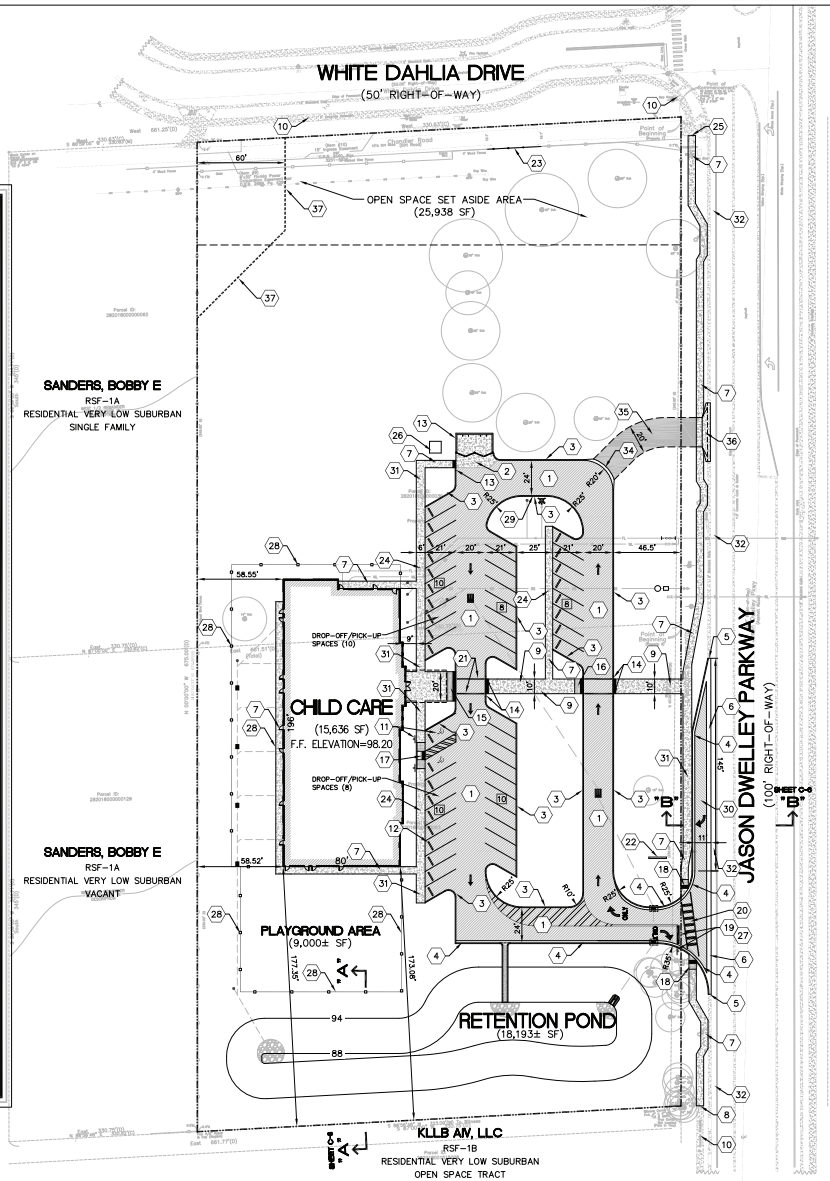
I would like to address any comments or concerns you may have regarding this project. If you are unable to attend the meeting , please feel free to email your comments to apopkachild@gmail.com or mail to our office at 170 e magnolia st, Apopka, fl, 32703.

Please call me at 407-848-9294 or email at apopkachild@gmail.com if you have any questions regarding the development prior to the meeting.

I look forward to hearing from you or meeting you to discuss this development.

Sincerely,

Camila Neira



GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

STATEMENT OF OWNERSHIP:

THE PROPERTY AND ALL IMPROVEMENTS AS SHOWN ARE OWNED AND SHALL BE MAINTAINED BY JOY CHILD ACADEMY, LLC.

GENERAL STATEMENT:

THE CHARACTER AND INTENDED USE OF THIS DEVELOPMENT SHALL BE THE CONSTRUCTION OF A CHILD CARE FACILITY (APPROXIMATELY 275 STUDENTS) ALONG WITH THE ASSOCIATED UTILITIES, PARKING, ACCESS ROADS AND WATER MANAGEMENT FACILITIES.

SITE DATA:

PROJECT NAME:	JOY CHILD ACADEMY
ADDRESS:	4420 CHANDLER ROAD APOPKA, FL 32712
DEVELOPER ADDRESS:	4410 AND 4420 CHANDLER ROAD APOPKA, FL 32712
TELEPHONE:	(407) 848-9294

ZONING/LAND USE DATA:

ZONING:	O
FUTURE LAND USE:	OFFICE
PROPOSED USE:	CHILD CARE FACILITY
NUMBER OF STUDENTS:	275
NUMBER OF STORIES:	ONE
MAX. BUILDING HEIGHT:	35 FEET
FAR:	0.070
BUILDING COVERAGE:	7.03%
PHASING:	ONE PHASE
VEGETATION:	MOWED PARCEL WITH TREES
WATER SERVICE:	CITY OF APOPKA
WASTEWATER SERVICE:	CITY OF APOPKA
SOILS:	4-CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES
STORMWATER MANAGEMENT:	PROPOSED ON-SITE RETENTION POND
FLOOD ZONE:	X PER MAPS 12095C0050 H AND 12095C0110
FIRE:	APOPKA FIRE STATION #5
SOLID WASTE:	CITY OF APOPKA
SITE AREA:	222,472 SF=5.107 ACRES
IMPERVIOUS:	50,920 SF=1.169 ACRES AT 22.89%
BUILDING:	15,636 SF=0.359 ACRES AT 7.03%
PAVEMENT/SIDEWALKS:	35,284 SF=0.810 ACRES AT 15.86%
OPEN SPACE:	171,552 SF=3.938 ACRES AT 77.11%
OPEN SPACE SET ASIDE (MINIMUM REQUIRED):	22,247 SF=0.511 ACRES AT 10%
OPEN SPACE SET ASIDE (PROVIDED):	25,938 SF=0.595 ACRES AT 11.66%

SETBACKS:

FRONT (JASON DWELLEY PARKWAY) (EAST):	25 FEET
REAR (WEST):	25 FEET
SIDE (SOUTH):	10 FEET
SIDE (WHITE DAHLIA DRIVE) (NORTH):	25 FEET

PARKING REQUIREMENTS:

PARKING REQUIRED:	
CHILD CARE FACILITY:	ONE SPACE PER 10 CHILDREN (275 CHILDREN/10)=28 SPACES
TOTAL:	28 SPACES
REGULAR SPACES PROVIDED:	44
HANDICAPPED SPACES PROVIDED:	2
TOTAL SPACES PROVIDED:	46 SPACES
DROP-OFF/PICK-UP SPACES REQUIRED:	ONE PER 20 STUDENTS=14 SPACES
DROP-OFF/PICK-UP SPACES PROVIDED:	18 SPACES

UTILITY COMPANIES:

POWER:	DUKE ENERGY 3250 BONNETT CREEK ROAD LAKE BUENA VISTA, FLORIDA 32830 (407) 938-6611
SEWER:	CITY OF APOPKA 748 E. CLEVELAND STREET APOPKA, FLORIDA 32703 (407) 703-1731
WATER:	CITY OF APOPKA 748 E. CLEVELAND STREET APOPKA, FLORIDA 32703 (407) 703-1731
TELEPHONE:	CENTURY LINK 33 NORTH MAIN STREET, ROOM 144 WINTER GARDEN, FLORIDA 34787 (407) 814-5329
GAS:	LAKE APOPKA NATURAL GAS DISTRICT 1320 WINTER GARDEN VINELAND ROAD WINTER GARDEN, FLORIDA 34787 (407) 656-2734

SIGN LEGEND

NO	TEXT	SYMBOL	SIZE
R1-1	STOP	STOP	30"x30"
R3-1	NO RIGHT TURN		24"x24"
R5-1	DO NOT ENTER	DO NOT ENTER	30"x30"
R6-1	ONE WAY	(SEE INDEX)	36"x12"
R3-7	LEFT LANE MUST TURN LEFT	(SEE INDEX)	30"x30"

ALL SIGNS SHALL CONFORM w/F.D.O.T. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL DETECTABLE WARNING MATS SHALL BE ARMOR TILE (OR APPROVED ALTERNATE) YELLOW AND CAST IN PLACE ONLY. SURFACE-MOUNTED DETECTABLE WARNING MATS WILL NOT BE ACCEPTED.

INSTALL EXPANSION AND CONTROL JOINTS FOR ALL PROPOSED SIDEWALKS PER SIDEWALK DETAIL ON PLAN SHEET C6.

TYPICAL PARKING SPACE SHALL BE STRIPED WITH 4" WHITE STRIPING.

ALL PARKING SPACES, OTHER THAN HANDICAP SPACES SHALL BE 9' WIDE.

ALL RADII SHALL BE 5' UNLESS OTHERWISE NOTED.

SITE LEGEND

- HANDICAP PARKING
- PROPOSED DRAINAGE INLET
- PROPOSED CURB
- SITE BOUNDARY LINE
- EXISTING EASEMENT (DEPICTED ON PLAN)
- PROPOSED EASEMENT (DEPICTED ON PLAN)
- CENTER LINE OF ROAD
- EXISTING EDGE OF PAVEMENT
- TYP — TYPICAL
- HC — HANDICAP
- 10 — # OF PARKING SPACES
- S/W — SIDEWALK
- R5' — 5' RADIUS
- L.F. — LINEAR FEET
- S.F. — SQUARE FEET
- B.O.C. — BACK OF CURB
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL)
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL)
- PROPOSED ASPHALT PAVEMENT IN RIGHT-OF-WAY (SEE DETAIL)
- PROPOSED CONCRETE PAVEMENT (SEE DETAIL)

KEY NOTES: (#)

1. PROPOSED ASPHALT PAVEMENT (TYP) (SEE DETAIL, THIS SHEET)
2. PROPOSED CONCRETE PAVEMENT (SEE DETAIL, THIS SHEET)
3. PROPOSED FDOT TYPE "D" CURB (TYP) (SEE DETAIL, SHEET C6)
4. PROPOSED FDOT TYPE "F" CURB AND GUTTER (TYP) (SEE DETAIL, SHEET C6)
5. CONNECT TO EXISTING CURB AND GUTTER (CONNECT AT NEAREST EXISTING JOINT)
6. PROPOSED VALLEY GUTTER (SEE DETAIL, SHEET C6)
7. PROPOSED 5' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
8. CONNECT TO EXISTING SIDEWALK
9. PROPOSED 10' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
10. EXISTING 5' WIDE CONCRETE SIDEWALK
11. PROPOSED HANDICAP SPACE AND SIGN (TYP-2) (SEE DETAILS, SHEET C6)
12. PROPOSED CONCRETE WHEELSTOP (TYP) (2 FEET MINIMUM FROM FACE OF CURB) (SEE DETAIL, SHEET C6)
13. PROPOSED MASONRY DUMPSTER ENCLOSURE (SEE SEPARATE PLANS BY ARCHITECT) (TO BE PERMITTED SEPARATELY)
14. TRANSITION CURB DOWN AT 4:1
15. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-E (MODIFIED TO BE 20' WIDE) (SEE DETAIL, SHEET C6)
16. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-E (MODIFIED TO BE 10' WIDE) (SEE DETAIL, SHEET C6)
17. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-C (SEE DETAIL, SHEETS C6)
18. PROPOSED CURB CUT RAMP PER FDOT STANDARD PLANS INDEX 522-002, CR-F (SEE DETAIL, SHEETS C6)
19. PROPOSED R1-1 (SEE DETAIL, THIS SHEET) AND 24" WIDE THERMOPLASTIC STOP BAR (STOP BAR TO BE LOCATED MINIMUM 5' FROM ADJACENT CROSS-WALK)
20. PROPOSED 12" WIDE WHITE THERMOPLASTIC SPECIAL EMPHASIS CROSS-WALK STRIPING (AT 7' ON CENTER) PER FDOT STANDARD PLAN INDEX 711-001
21. PROPOSED 12" WHITE THERMOPLASTIC STRIPING AT 10' ON CENTER (TYP-2)
22. PROPOSED SIGN LOCATION (SEE PLANS BY OTHERS) (EXACT LOCATION AND SIGN DESIGN TO BE PERMITTED SEPARATELY)
23. PROPOSED RE-USED SECTION OF FENCE (SEE PLAN SHEET D1)
24. PROPOSED SIDEWALK ADJACENT TO PARKING (SEE DETAIL, SHEET C6)
25. CONNECT TO EXISTING CONCRETE DRIVEWAY
26. PROPOSED TRANSFORMER PAD LOCATION (SEE SITE ELECTRICAL PLAN FOR EXACT LOCATION AND ADDITIONAL INFORMATION)
27. INCLUDE "RIGHT TURN ONLY" SIGN
28. PROPOSED FENCE (SEE SEPARATE PLANS BY OTHERS)
29. PROVIDE FIRE LANE STRIPING AND SIGNAGE IN THIS AREA FOR HYDRANT AND FDC
30. PROPOSED ASPHALT PAVEMENT IN RIGHT-OF-WAY (TYP) (SEE DETAIL, THIS SHEET)
31. PROPOSED 6' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C6)
32. EXISTING 4' WIDE BIKE LANE
33. --
34. PROPOSED FDOT TYPE "E" CURB AND GUTTER (INCLUDE 6' LONG TRANSITION PIECES ON ENDS) (SEE DETAIL, SHEET C6)
35. PROPOSED 20' WIDE STABILIZED DRIVEWAY (SODDED WITH BAHIA SOD)
36. PROPOSED DROP CURB AND CONCRETE DRIVEWAY TURNOUT PER FDOT STANDARD PLAN INDEX 522-003
37. PROPOSED CROSS-ACCESS EASEMENT
38. PROPOSED LIGHTPOLE (SEE SITE ELECTRICAL PLAN FOR ADDITIONAL INFORMATION)

STANDARD ASPHALT PAVEMENT

1. 1.5" F.D.O.T. TYPE SP 9.5 ASPHALT CONC.
2. 6" LIMEROCK (LBR=120) COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DENSITY (AASHTO T-180)
3. 12" STABILIZED SUB-BASE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAX. DENSITY (ASTM D-1557, AASHTO T-180)

ON-SITE PAVEMENT DETAIL (KEYNOTE #1, SHEET C1)
(FOR ASPHALT SURFACE ON SITE)
N.T.S.

STANDARD ASPHALT PAVEMENT

1. 3" F.D.O.T. TYPE SP 9.5 ASPHALT CONC.
2. 10" LIMEROCK (LBR=120) COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DENSITY (AASHTO T-180)
3. 12" STABILIZED SUB-BASE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAX. DENSITY (ASTM D-1557, AASHTO T-180)

R/W PAVEMENT DETAIL (KEYNOTE #1, SHEET C1)
(FOR ASPHALT SURFACE ON SITE)
N.T.S.

STANDARD CONCRETE PAVEMENT

1. 6" OR 8" (SEE PLAN SHEET C-1) PORTLAND CEMENT (6x6 10/10 WWF) DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT PORTLAND CEMENT ASSOCIATION RECOMMENDED METHODS WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. PROVIDE CONTRACTION JOINTS AT A MAXIMUM SPACING OF 12 FEET. PROVIDE EXPANSION JOINTS PER GEOTECHNICAL REPORT.
2. 12" SUBGRADE CONSISTING OF FREE DRAINING NATURAL FINE SAND OR FINE SAND FILL. SUBGRADE (LBR=40) TO BE COMPACTED TO A MINIMUM DENSITY OF 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (ASTM D-1557).

ON-SITE PAVEMENT DETAIL (KEYNOTE #2, SHEET C1)
(FOR CONCRETE SURFACE ON SITE)
N.T.S.

NOTE: REPRODUCTION OF THIS PLAN IS INVALID UNLESS CONTAINING ORIGINAL SIGNATURE AND EMBOSSED WITH ENGINEER'S SEAL AS PER CHAPTER 21H.23.002 FLORIDA ADMINISTRATIVE CODE.

DATE	REVISION	BY
9-16-25	AS PER CITY/AHJ/RWMD	M.C.
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--	--	--
--	--	--
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--	--	--

mitchellcollinspe, inc.
1401 southchase parkway, 407.850.5557
orlando, fl 32809, 407.448.0979
mitchellcollinspe.com

SITE LAYOUT PLAN/PARKING PLAN
FOR
JOY CHILD ACADEMY

JASON DWELLEY PARKWAY — APOPKA, FLORIDA

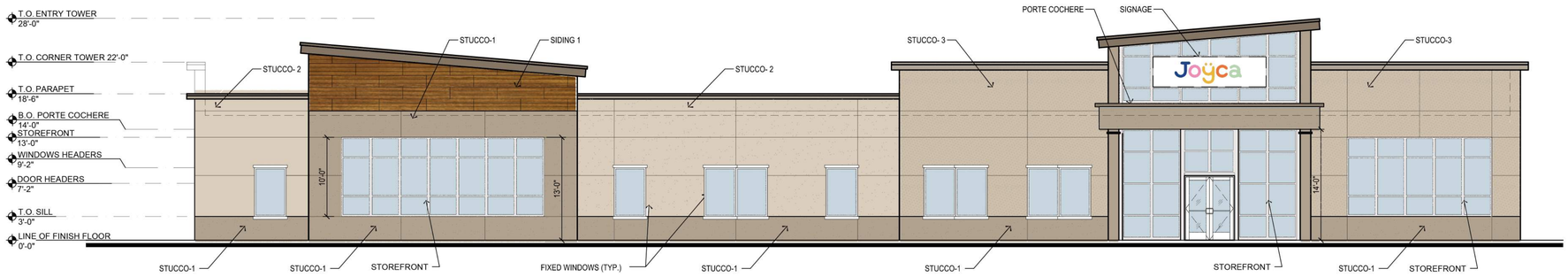
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MITCH COLLINS, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MITCH COLLINS, P.E.# 54608,
STATE OF FLORIDA, C.A.# 9523

DATE

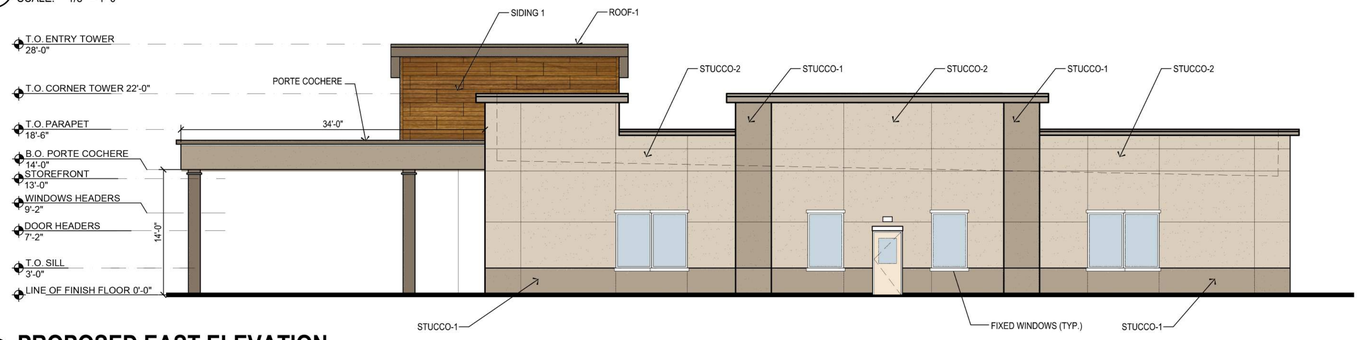
BRONSON M. COLLINS * LICENSE * No. 54608 * STATE OF FLORIDA * PROFESSIONAL ENGINEER

SCALE	1" = 40'
DRAWN BY	M.C.
DATE	8-16-25
CHECKED BY	M.C.
JOB NO	225-024
SHEET NO	C1 OF C8



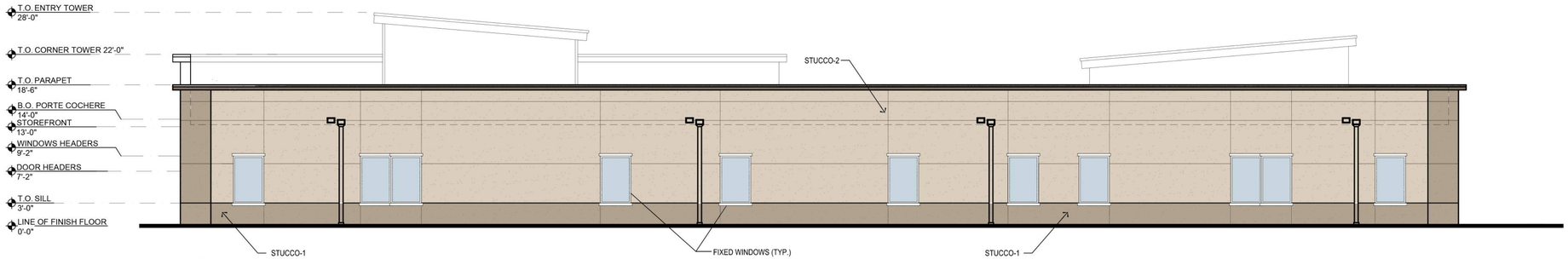
1 PROPOSED NORTH ELEVATION

SCALE: 1/8" = 1'-0"



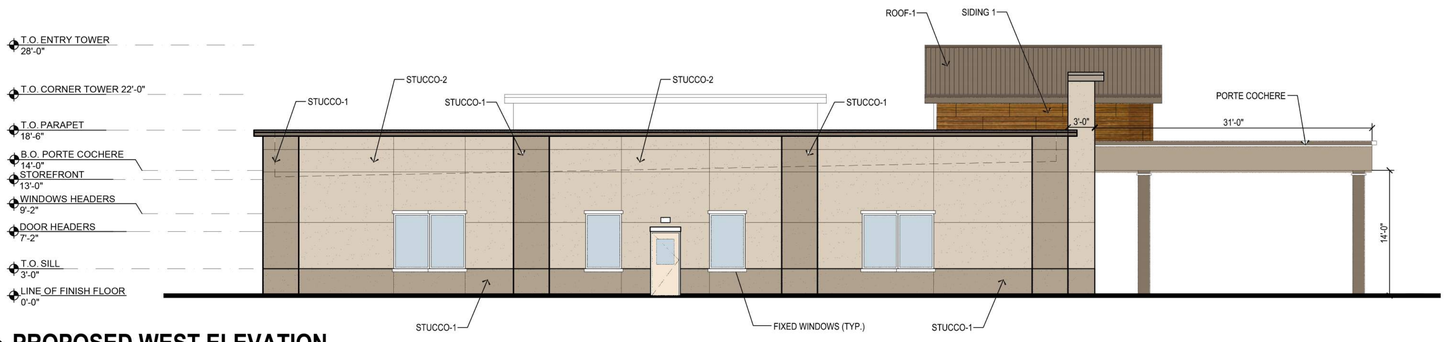
2 PROPOSED EAST ELEVATION

SCALE: 1/8" = 1'-0"



3 PROPOSED SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



4 PROPOSED WEST ELEVATION

SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL SCHEDULE

LABEL	MANUFACTURER	SIZE/TYPE	FINISH COLOR
STOREFRONT	KAWNEER	TRIFAB 451T / 350	ANODIZED ALUMINUM
DOOR	-	PER DOOR SCHEDULE	FACTORY PRIMED. BEIGE
FIXED WINDOW		VINYL FIXED WINDOWS	ANODIZED ALUMINUM
SANDSTONE WALL PANELS			
SIDING-1	NICHIHA	17 7/8 H X 71 9/16, STAGGERED	TBD
SILL-1	MODERN PRECAST	3 3/4" H 3 1/2" W W/2" FLAT W1/4" DRIP EDGE	TBD
STUCCO-1	DRYVIT		SW 7038 Tony Taupe
STUCCO-2	DRYVIT		SW 7517 Rivers edge
SRUCCO-3	DRYVIT		SW 7524 Dhurrie Beige
ROOF-1	TBD	METAL ROOF	TBD

Jarmel Kizel
ARCHITECTS AND ENGINEERS INC.
42 OKNER PARKWAY
LIVINGSTON, NEW JERSEY 07039
TEL: 973-994-9669
FAX: 973-994-4069
www.jarmelkizel.com

Architecture
Engineering
Interior Design
Implementation Services

NJ State Board Of Architects Authorization No: 21AC00016100
NJ State Board Of Engineers & Land Surveyors Authorization No: 24GA28053000

ISSUE

NO.	DATE	DESCRIPTION	INT.

REVISION

NO.	DATE	DESCRIPTION	INT.

PRINCIPALS
MATTHEW B. JARMEL, AIA, MBA
RICHARD A. JARMEL, PE
IRWIN H. KIZEL, AIA, PP

ARCHITECTS & ENGINEERS
BEATRIZ BARRERES, RA
JEREMY D. BOYER, AIA
ANDRZEJ B. BRZOZOWSKI, PE
RUIQIN CHEN, PE
SHANNON CROWNOVER, PE
THOMAS DAFONSECA, PE
ANDRE E. DIBI, PE
ANTHONY FACCHINO, PE, PLS, PP
GERARD P. GESARIO, PE
JONATHAN KUYBIDA, AIA
KAROLINA PODKANOWICZ, AIA
RENATA MALDONADO E REZENDE, AIA, LEED AP
CHERYL SCHWEIKER, AIA
STEVEN J. VAZ, PE

Project:
JOY CHILD ACADEMY
4410 CHANDLER ROAD
APOPKA, FL

Project Number:	Scale:
JOY25-2020	AS NOTED
Drawn By: FA	Approved By: CS

Drawing Name:
PROPOSED ELEVATIONS

Drawing Number:
SA-1.2

Initial Date:

ARCHITECT OF RECORD
MATTHEW B. JARMEL, AIA, MBA
NJ LIC 21AI01127

H:\DRAWINGS\JOY CHILD ACADEMY 25-2020 - JOY CHILD ACADEMY APOPKA FL 4410 CHANDLER RD\SPACE PLANS\JOY25-2020 ELEVATIONS.DWG FATMA ASADURIAN PLOTTED: 9/12/2025 5:50 PM

CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

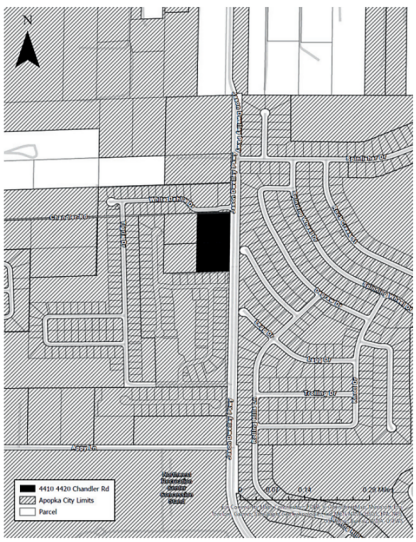
NOTICE is hereby given that **Camila Neira** has made application relating to the properties located at 4410 Chandler Road and 4420 Chandler Road, Apopka, Florida 32703 shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

ORDINANCE NO. 3158

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM RESIDENTIAL VERY LOW SUBURBAN TO OFFICE, FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3159

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY ESTATE) TO O (OFFICE), FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 18-20-28-0000-00-030 and 18-20-28-0000-00-063
Contains: 5.12 +/- Acres

Notice is given that the **City of Apopka Planning Commission** will hold public hearings for **Ordinance Number 3158 and 3159** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Tuesday, June 9, 2026 beginning at 5:30 P.M.**, or as soon thereafter as possible.

FURTHER NOTICE is given that public hearings for **Ordinance Number 3158 and 3159** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, July 1, 2026 beginning at 1:30 P.M., and Wednesday, July 15, 2026 beginning at 7:00 P.M.**, or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development Department

May 29, 2026

CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

NOTICE is hereby given that **Camila Neira** has made application relating to the properties located at 4410 Chandler Road and 4420 Chandler Road, Apopka, Florida 32703 shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

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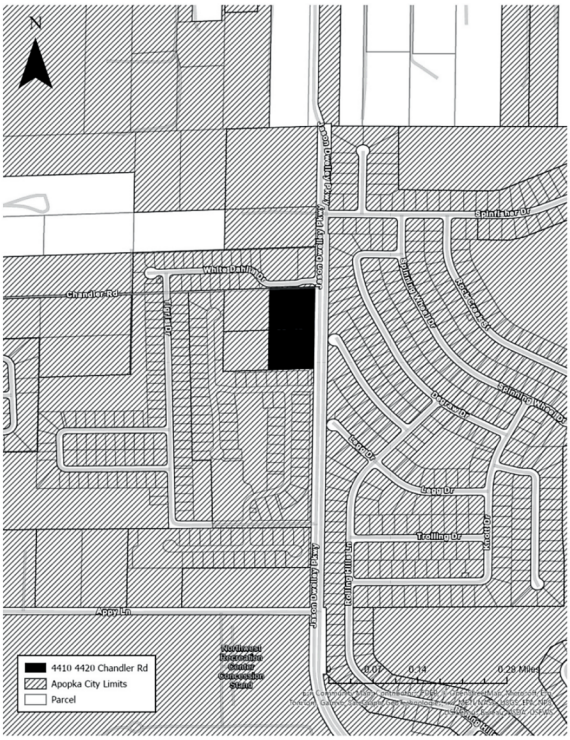
AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM RESIDENTIAL VERY LOW SUBURBAN TO OFFICE, FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3159
AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM RSF-1A (RESIDENTIAL SINGLE-FAMILY ESTATE) TO O (OFFICE), FOR CERTAIN REAL PROPERTIES LOCATED AT 4410 CHANDLER ROAD AND 4420 CHANDLER ROAD; OWNED BY CHANDLER RICHARD, COMPRISING 5.12 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 18-20-28-0000-00-030 and 18-20-28-0000-00-063
Contains: 5.12 +/- Acres

NOTICE is given that public hearings for **Ordinance Number 3158 and 3159** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, July 15, 2026 beginning at 6:00 P.M.** or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development Department

July 3, 2026

City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 4.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Ordinance No. 3160 - First Reading - Legislative - Small-Scale Future Land Use Amendment – E. Keene Road

ACTION ITEM INFORMATION:
Owner(s): HCH Development LLC
Applicant: Michael Rankin
Parcel Identification Number(s): 22-21-28-0000-00-206
Location: E. Keene Road
Existing Future Land Use: Commercial
Proposed Future Land Use: Industrial
Existing Use(s): Vacant
Existing Zoning: C-C (Community Commercial)
Proposed Zoning: I-L (Light Industrial)
Tract Size: 5.23 +/- Acres
Proposed Use: Warehouse storage (enclosed car storage)
Project Manager: Jun Sohn, Ph.D.

REQUEST:
Accept First Reading of Ordinance No. 3160 and hold it over for Second Reading and Adoption.

SUMMARY:
Owner(s): HCH Development LLC
Applicant: Michael Rankin
Parcel Identification Number(s): 22-21-28-0000-00-206
Location: E. Keene Road
Existing Future Land Use: Commercial
Proposed Future Land Use: Industrial
Existing Use(s): Vacant
Existing Zoning: C-C (Community Commercial)
Proposed Zoning: I-L (Light Industrial)
Tract Size: 5.23 +/- Acres
Proposed Use: Warehouse storage (enclosed car storage)

Direction	Future Land Use	Zoning	Present Use
North	Commercial	C-C (Community Commercial)	Vacant
East	County Rural	County A-1	Vacant
South	Commercial	C-C (Community Commercial)	Vacant

West	Commercial	C-R (Regional Commercial)	Gas Station, Vacant

PROJECT SUMMARY:
The subject property, which is approximately 5.23 acres in size, is located at the northeast corner of the intersection of East of Clarcona Road and E. Keene Road. The property is currently vacant. The applicant is requesting an amendment to the property's future land use to allow new development for warehouse storage for enclosed luxury car storage. Warehouse storage is not a permitted use in the Commerical future land use and zoning designations.

Land Development Code Section 2.5.1.D.3 requires the Commission to weigh the relevance of and consider whether and the extent to which the proposed amendment:

a. Is consistent with and furthers the goals, objectives and policies of the comprehensive plan and other adopted City plans;

- Applicant’s response: FLU Policy 3.1.1 states that the primary use shall be industrial, intensive commercial, agricultural and business/research parks. Also allowed are public facilities and supporting infrastructure. The maximum floor area ratio is 0.60 gross floor area. The proposed amendment to industrial is compatible with the adjacent commercial land use which has been previously established in the general area where existing industrial land uses adjacent to Keene Road are located adjacent to commercial and agriculture land uses. Additional industrial land uses are also located adjacent to Clarcona Road and Coral Hills Road to the north of the subject site which are adjacent to Agriculture land use.
- Staff response: Staff has no objection.

b. Is in conflict with any provisions of the LDC;

- Applicant’s response: The proposed comprehensive plan amendment and zoning amendment is not in conflict with the LDC. Proposed development will need to comply with the LDC.
- Staff response: Staff has no objection.

c. Addresses a demonstrated community need;

- Applicant’s response: The proposed land use amendment to Industrial and rezoning to Light Industrial will provide an opportunity for the community to store luxury cars within an enclosed facility with clubhouse. This type of facility is currently not offered within the city limits.
- Staff response: Staff has no objection.

d. Is required by changed conditions;

- Applicant’s response: The current commercial land use and community commercial zoning allows for an enclosed parking facility and with a special exception automobile service station; however, it does specifically allow for enclosed vehicle storage areas; therefore, a land use amendment and rezoning is required to meet the needs of area luxury car owners.
- Staff response: Staff has no objection.

e. Is compatible with existing and proposed uses surrounding the subject land, and is the appropriate zoning district for the land;

- Applicant’s response: The proposed amendment to industrial is compatible with the adjacent commercial land use which has been previously established in the general area where existing industrial land uses adjacent to Keene Road are located adjacent to commercial and agriculture land uses. Additional industrial land uses are also located adjacent to Clarcona Road and Coral Hills Road to the north of the subject site which are adjacent to Agriculture land use.
- Staff response: Staff has no objection.

f. Would result in a logical and orderly development pattern;

- Applicant's response: The general area is a mixture of agriculture, commercial and industrial land uses and zoning. Therefore, the proposed industrial land use and rezoning to Light Industrial would result in a logical and orderly development pattern consistent with the future land use map and comprehensive plan.
- Staff response: Staff has no objection.

g. Would not result in significant adverse impacts on the natural environment—including, but not limited to, water, air, noise, stormwater management, wildlife, vegetation, wetlands, and the natural functioning of the environment; and

- Applicant's response: The subject site is classified as uplands with no environmental constraints such as wetlands, water bodies or flood areas therefore, no significant impacts to the natural environment are anticipated (Figures 8 and 9). Any proposed development would need to meet the St. Johns River Water Management District stormwater criteria as well as the City of Apopka LDC, therefore, no adverse impacts are anticipated. The site will be served by the City of Apopka utilities. Ambient noise (background sound) is produced by traffic of the three major roadways adjacent to the site and the proposed enclosed luxury car storage and maintenance facility is not anticipated to increase noise levels.
- Staff response: Staff has no objection.

h. Would result in development that is adequately served by public facilities (e.g., streets, potable water, sewerage, stormwater management, solid waste collection and disposal, schools, parks, police, and fire and emergency medical facilities).

- Applicant's response: The subject site is within the City of Apopka utility service area and any proposed development will meet the minimum level of service requirements for public facilities pursuant to Infrastructure Element Policies 1.1.1, 2.1.1, and 5.1.2. The proposed industrial land use will reduce the impacts to utilities (Tables 2 and 3). The industrial land use and light industrial zoning will not affect schools or parks. Stormwater management will need to meet the St. Johns River Water Management District regulations and the City of Apopka LDC. The subject site is located within the City of Apopka and receives city services such as police, fire, and emergency medical services. The closest city fire station is Station 6 located at 1757 Ocoee Apopka Road and the closest Orange County Fire Station is Station 28 located at 3250 Clarcona Road. The city has available capacity to serve the proposed development.
- Staff response: Staff has no objection.

SCHOOL CAPACITY REPORT:
Not applicable as this is non-residential development.

ORANGE COUNTY NOTIFICATION:
The JPA (Joint Planning Agreement) requires the City to notify the County 30 days before any public hearing or advisory board. The City notified Orange County on March 16, 2026.

PUBLIC HEARING SCHEDULE:
July 14, 2026 – Planning Commission (5:30 P.M.)
August 5, 2026 – City Commission (1:30 P.M.), First Reading
August 19, 2026 – City Commission (6:00 P.M.), Second Reading and Adoption

DULY ADVERTISED:
July 3, 2026 – Apopka Chief
June 9, 2026 – Mailed notices to adjacent property owners
June 29, 2026 – Posters placed on property

LAND USE REPORT:

I. **Relationship of adjacent properties**

Direction	Future Land Use	Zoning	Present Use
North	Commercial	C-C (Community Commercial)	Vacant
East	County Rural	County A-1	Vacant
South	Commercial	C-C (Community Commercial)	Vacant
West	Commercial	C-R (Regional Commercial)	Gas Station, Vacant

II. **Land Use Analysis**

The subject property is located in the Joint Planning Area. The property is surrounded by vacant properties with Commercial future land use. The property on the north and south sides are currently vacant, with a Commercial future land use. One of the properties on the west side is a gas station, and the other is vacant but approved for development as a landscape business for lawn company in 2025. The property on the east is vacant, and per the aerial image, the current use is stormwater management.
While the intersection of Clarcona Road and Keene Road is designated for Commercial future land use, most of these properties have been vacant and undeveloped due to a lack of competitiveness as commercial land uses. Meanwhile, surrounding properties have been developed for industrial and agricultural uses along the Clarcona Road and Keene Road corridor. The request to change the future land use of the subject property from Commercial to Industrial for enclosed luxury car storage is consistent with the characteristics of the corridor along which the property is located. As a result, future land use of the subject property is recommended for Industrial future land use to be consistent with the characteristics of the corridor, as well as the Comprehensive Plan policies, Development Design Guidelines, and the Land Development Code.
The property is approximately 5.23 acres in size and is located in one of the following areas:

- Wekiva Parkway Interchange Plan Area: No
- Wekiva River Protection Area: No
- Area of Critical State Concern: No

JPA: The City of Apopka and Orange County entered into a Joint Planning Area (JPA) agreement on October 26, 2004. The proposed Small-Scale Future Land Use Amendment request for a change from Mixed Use and Commercial to Industrial is consistent with the terms of the JPA (Second Amendment).

City of Apopka Comprehensive Plan Policies:
Future Land Use Element:
Policy 3.1.l
Industrial
The primary use shall be industrial, intensive commercial, agricultural and business/research parks. Also allowed are public facilities and supporting infrastructure. The use of the Planned Unit Development process shall be encouraged. The maximum floor area ratio shall be 0.6.

Transportation Element: Policies 1.1 and 1.2 state that the City of Apopka is a Transportation Concurrency Exception Area.

Infrastructure Element: Policies 1.1.1, 2.1.1 and 5.1.2 state the minimum levels of service for the City's wastewater and water systems as well as the City's solid waste collection service.

Conservation Element: A habitat study will not be required as the development is less than ten (10) acres.

This initial review does not preclude conformance with concurrency requirements at the time of development approval.

FUNDING SOURCE:
Not Applicable.

RECOMMENDED MOTION:
Development Review Committee (DRC):
On April 8, 2026, the DRC recommended approval of the change in Future Land Use designation from Commercial to Industrial, finding the proposed amendment consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, based on the findings and facts presented in the staff report and exhibits.

Planning Commission:
On July 14, 2026, the Planning Commission unanimously recommended approval of Ordinance No. 3160, the proposed change of Future Land Use designation from Commercial to Industrial, consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, and recommend approval of the proposed Change of Future Land Use, based on the findings and facts presented in the staff report and exhibits.

Recommended Motion – City Commission:
Accept First Reading of Ordinance No. 3160 and hold it over for Second Reading and Adoption.

Note: This item is considered Legislative. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:
1. Ordinance Number 3160
2. Maps
3. Community Meeting Summary
4. Concept Site Plan
5. Concept Landscape 1
6. Concept Landscape 2
7. Advertisement July 3

ORDINANCE NO. 3160

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, AMENDING THE FUTURE LAND USE ELEMENT OF THE APOPKA COMPREHENSIVE PLAN OF THE CITY OF APOPKA; CHANGING THE FUTURE LAND USE DESIGNATION FROM COMMERCIAL TO INDUSTRIAL FOR PROPERTY LOCATED AT E KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, the City Commission of the City of Apopka adopted the City's Comprehensive Plan by Ordinance No. 653 on October 2, 1991, in accordance with the laws of the State of Florida; and

WHEREAS, the City of Apopka is committed to planning and managing the future growth and development of the City; and

WHEREAS, the City Commission of the City of Apopka has the authority to amend its Comprehensive Plan pursuant to Chapter 163, *Florida Statutes*; and

WHEREAS, the City of Apopka Planning Commission held a public hearing on July 14, 2026, to consider this small-scale amendment to the Future Land Use Map of the Comprehensive Plan and determined that this amendment is internally consistent with the City's Comprehensive Plan; and

WHEREAS, the City Commission of the City of Apopka held public hearings to consider this amendment, with due public notice having been provided, to obtain public comment, and considered all written and oral comments received during public hearings, including support documents; and

WHEREAS, the City of Apopka has complied with all requirements and procedures of Florida law in processing this small-scale amendment to the City's Comprehensive Plan; and

WHEREAS, the City Commission of the City of Apopka hereby finds and determines that this amendment is internally consistent with the City's Comprehensive Plan.

NOW THEREFORE, BE IT ORDAINED, by the City Commission of the City of Apopka, Florida, as follows:

Section I. Purpose and Intent. This Ordinance is enacted to carry out the purpose and intent of, and exercise the authority set out in, the Community Planning Act. The City of Apopka has complied with all requirements of Florida Law in processing this ordinance. The recitals set forth above recitals are hereby adopted.

Section II. Future Land Use Map Amendment. Page 1-32 (Map 1-6) of the Future Land Use Element of the City of Apopka Comprehensive Plan, is hereby amended to change the land use from Commercial to Industrial for certain real property generally located East of Clarcona Road and North of Keene Road, comprising 5.23 acres more or less; as shown and further described in Exhibit "A" attached hereto.

Section III. Applicability and Effect. The applicability and effect of the City of Apopka Comprehensive Plan shall be as provided by the Community Planning Act as set forth in Chapter 163, *Florida Statutes*.

Section IV. Severability. If any provision or portion of this Ordinance is declared by any court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining provisions and portions of this Ordinance shall remain in full force and effect.

Section V. Conflicts. All Ordinances or parts of Ordinances in conflict with any of the provisions of this Ordinance are hereby repealed**.**

Section VI. Effective Date. This Ordinance shall become effective thirty-one (31) days after adoption. If challenged within thirty (30) days after adoption, the Ordinance shall become effective after the state land planning agency or the Administration Commission, respectively, issues a final order determining that the adopted small-scale development amendment is in compliance with applicable law.

ADOPTED at a regular meeting of the City Commission of the City of Apopka, Florida, this _____ day of _____, 2026.

READ FIRST TIME: August 5, 2026

READ SECOND TIME AND ADOPTED: _____

ATTEST:

_____ _____

Susan Bone, City Clerk Nicholas L. Nesta, III, Mayor

Approved as to form and legal sufficiency:

_____

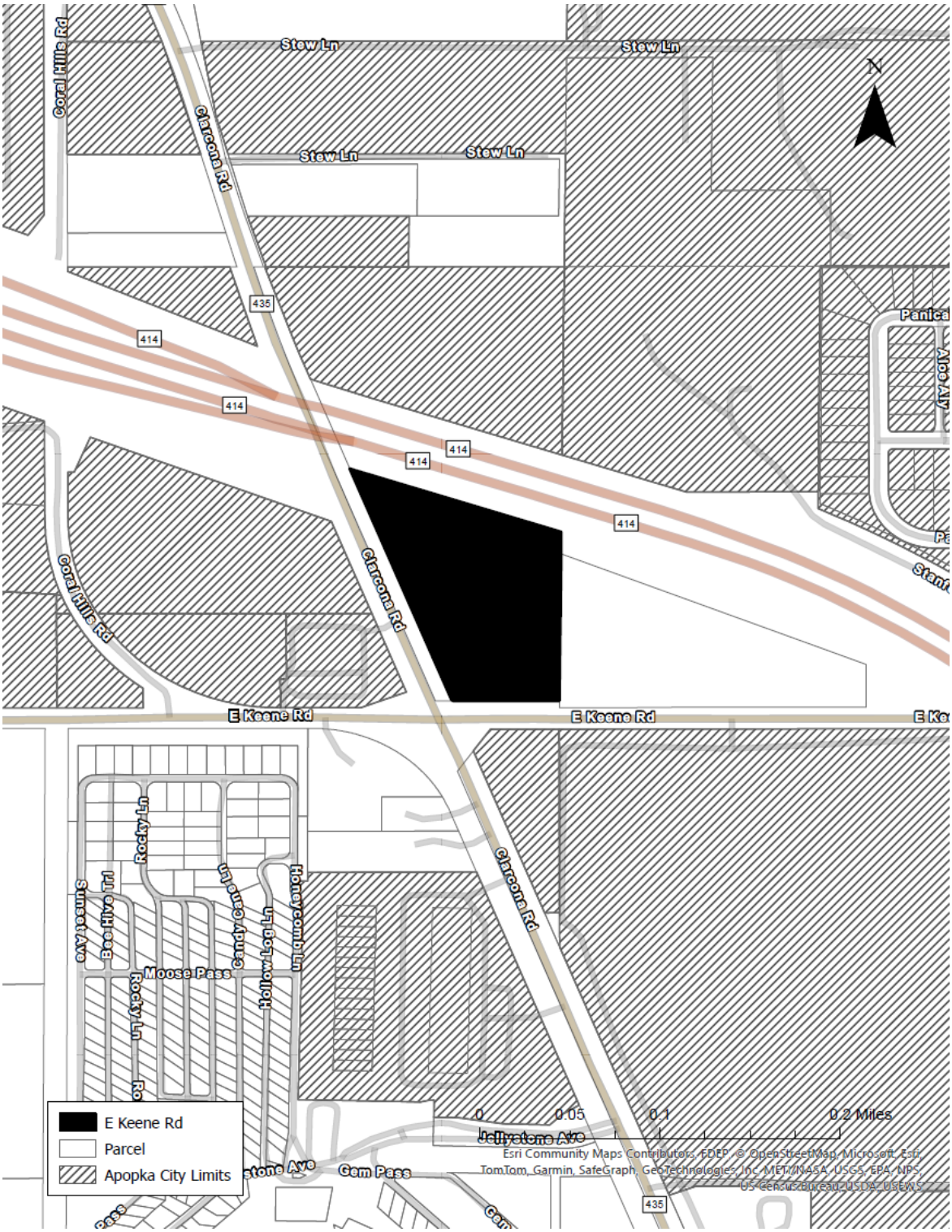
Clifford B. Shepard, City Attorney

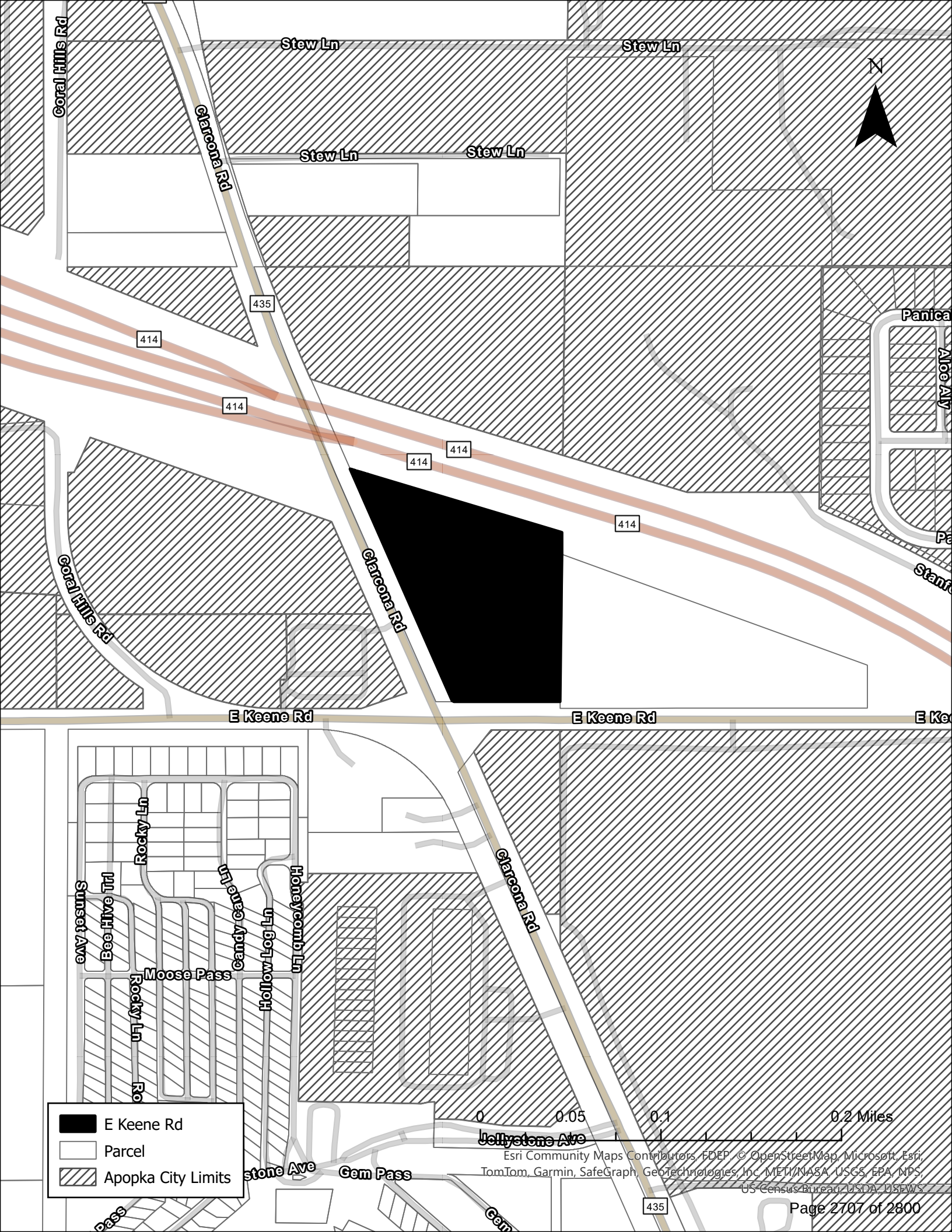
DULY ADVERTISED FOR PUBLIC HEARING: July 3, 2026

1

EXHIBIT "A"
Parcel Identification Number(s): 22-21-28-0000-00-206

Location Map

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Esri Community Maps Contributors, FDEP, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS


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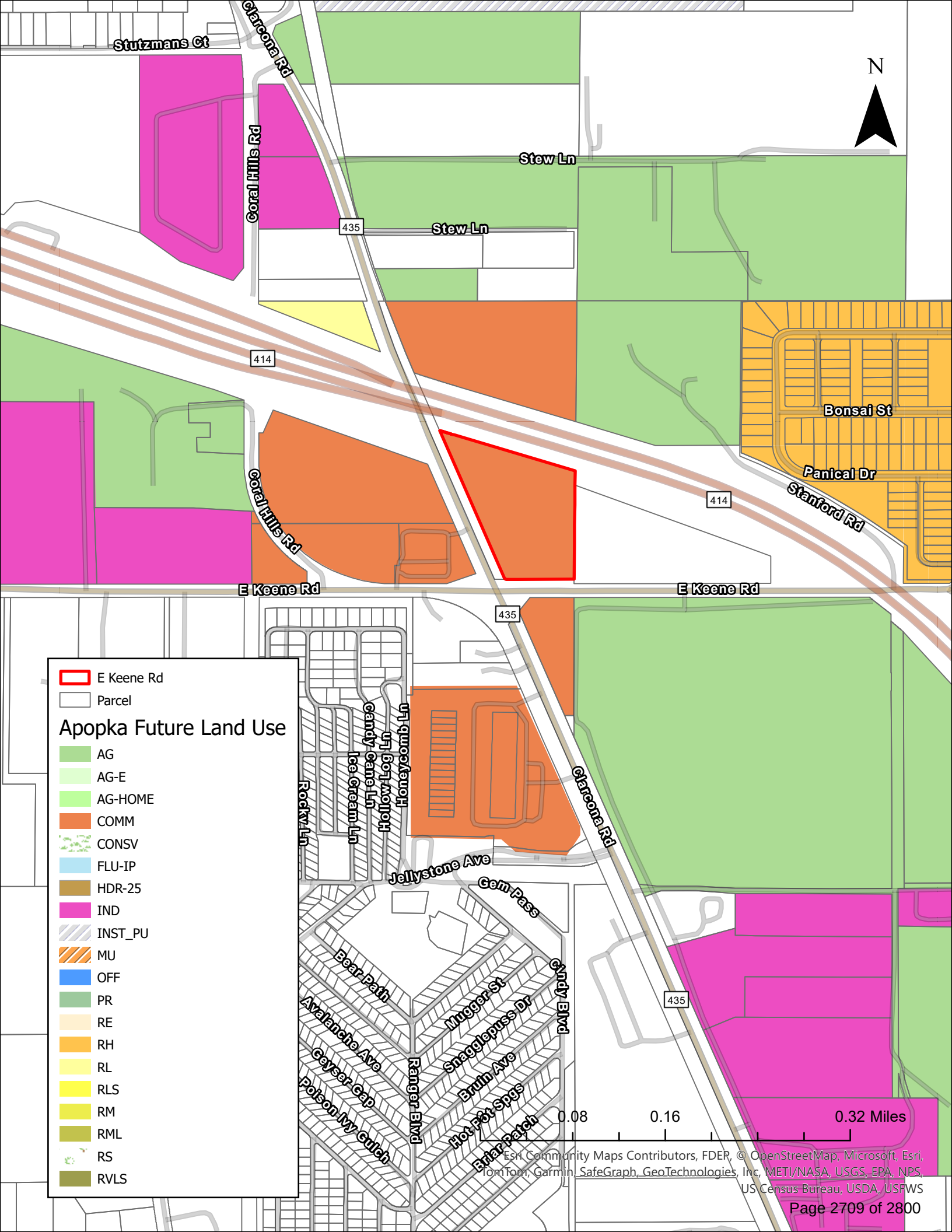

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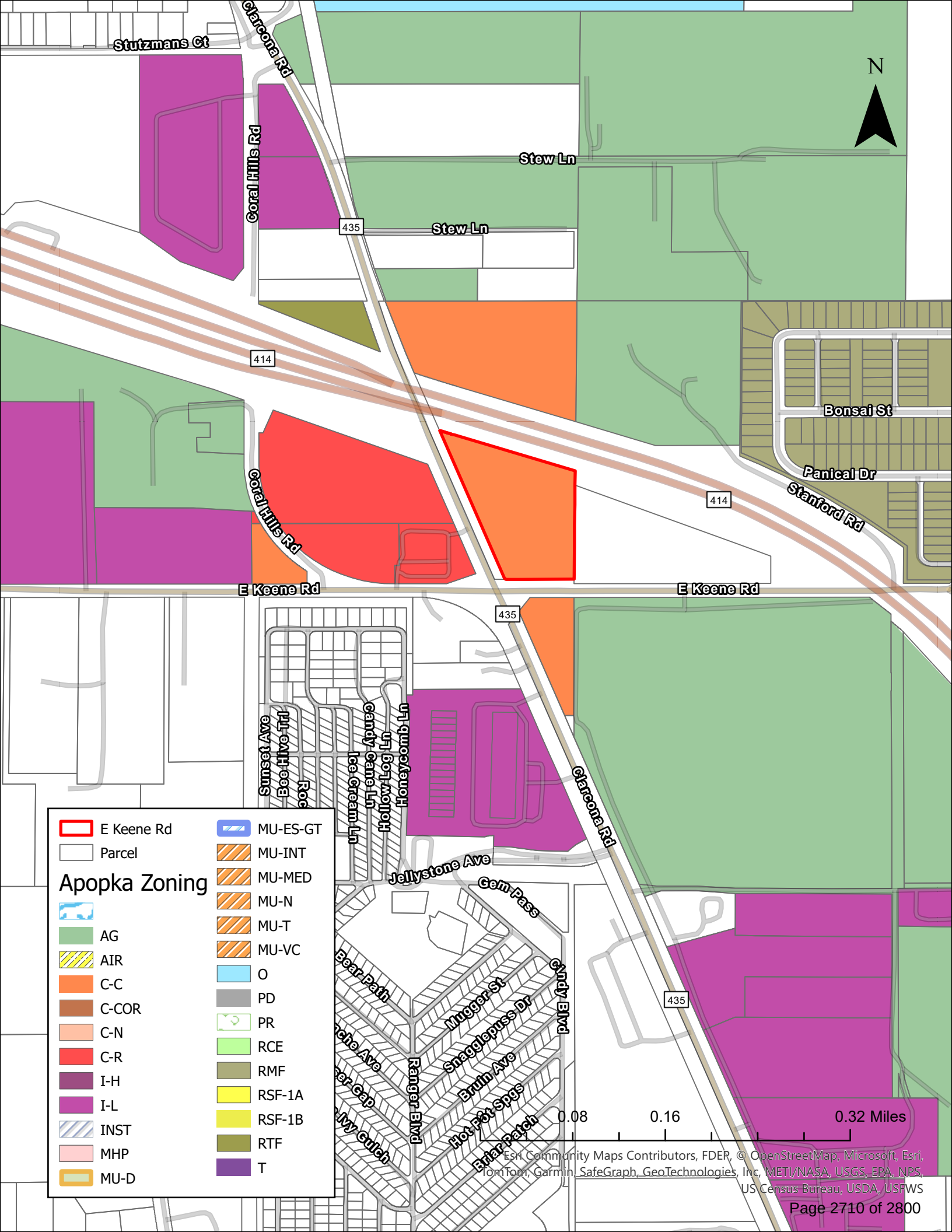
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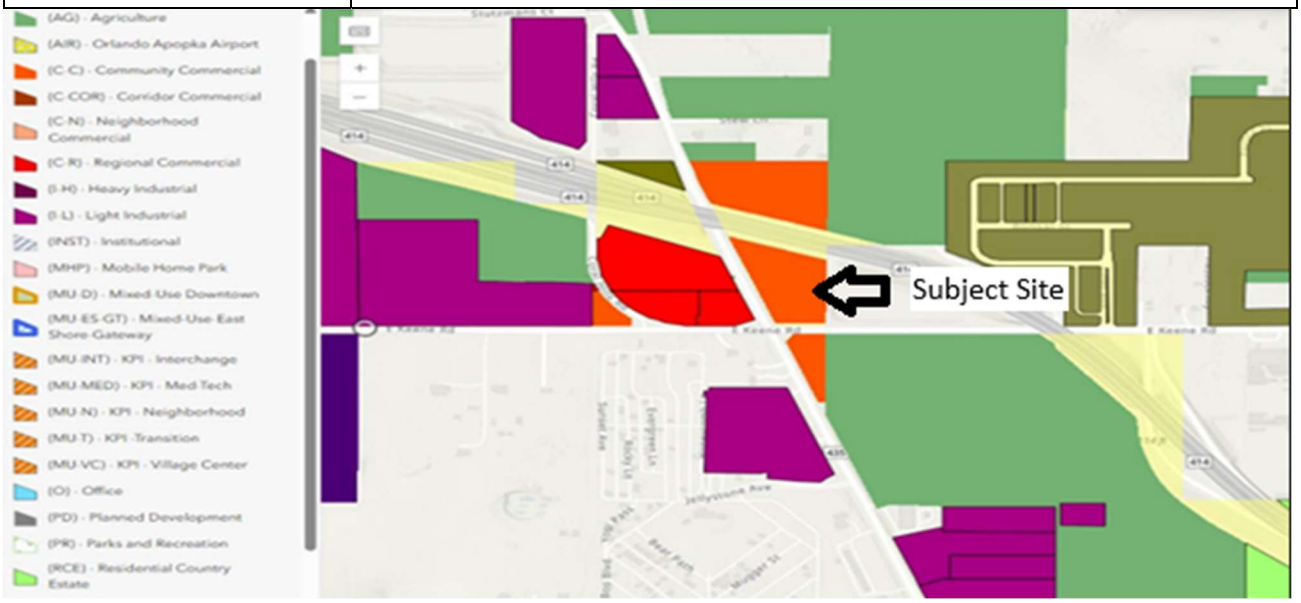
LPG, LLC

LAND PLANNING GROUP

COMMUNITY MEETING NOTICE

You are cordially invited to a Community Meeting to discuss proposed application filed with the City of Apopka. The small-scale comprehensive plan amendment consists of 5.23 + acres. The subject site is located north of E Keen Road, east of Clarcoona Road and south of Apopka Expressway (SR 414). The property record card indicates the property identification number is 22-21-28-0000-00-206 and the property use commercial vacant land. The subject property is located within the City of Apopka. The subject site is designated as Commercial on the City of Apopka future land use map with an existing zoning designation of Community Commercial (C-C). It is proposed to rezone the subject site to Light Industrial (I-L). In conjunction with the rezoning, an amendment from Commercial to Industrial is sought pursuant to the Apopka Comprehensive Plan and Land Development Code Appendix A. A Master Plan has been included for this purpose. You may request additional information by emailing Michael Rankin, LPG, LLC at MichaelR@lpgurp.com or calling (352) 385-1940.

REQUEST:	A FUTURE LAND USE MAP AMENDMENT AND REZONING FOR HCH DEVELOPMENT, LLC.
APPLICANT:	LPG URBAN AND REGIONAL PLANNERS, LLC
CONTACT:	MICHAEL RANKIN, MichaelR@lpgurp.com (352) 385-1940
EXISTING FLU:	COMMERCIAL
PROPOSED FLU:	INDUSTRIAL
EXISTING ZONING:	COMMUNITY COMMERCIAL (CC)
PROPOSED ZONING:	LIGHT INDUSTRIAL (LI)
MEETING DATE & TIME & LOCATION	MARCH 10, 2026 at 6PM MEETING IS TO BE HELD ON SITE NORTH OF E KEEN RD, EAST OF CLARCOONA RD AND SOUTH OF APOPKA EXPRESSWAY (SR414)



From:	Michael
To:	Bobby Howell
Cc:	Jean Sanchez; Tanner K; Tim Cantrell; Sherie Lindh; cat; Tommy Ramdass; urbanvestllc; Paul Medley
Subject:	Community Meeting - Motor Volta 22-21-28-0000-00-206
Date:	Wednesday, March 11, 2026 7:09:20 AM
Importance:	High

Good Morning.
Last evening, 10 March 2026 LPG conducted a Community Meeting, 6-7 PM displaying the current concept for Motor Volta.

Michael Rankin (LPG) was in attendance.
One individual, who owns property contiguous to the C-Store across from the subject site, was in attendance. Ms. Sarah Maier left no comment yet she left her email requesting additional information.

Michael "Mike" Rankin
Land Planning Group (LPG)
2050 Classique Lane
Tavares Florida 32778
352-638-4407 cell
352-385-1940 office





PNM ARCHITECTURE

PAUL N MEDLEY Architect
AIA NCARB

101 Smokerise Blvd
Longwood FL 32779
PHONE NUMBER 407-701-6440
WWW.PNM-ARCHITECTURE.COM

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SEAL AR # 96512

PROJECT

Proposed Development
luxury private garage condominiums
Clarcona and Keene road Apopka

REVISION DATES

DATE
10-8-25

SHEET TITLE
MASTER PLAN SITE

SHEET NUMBER
A1

PROJECT NO.
018-25



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PNM
ARCHITECTURE

CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

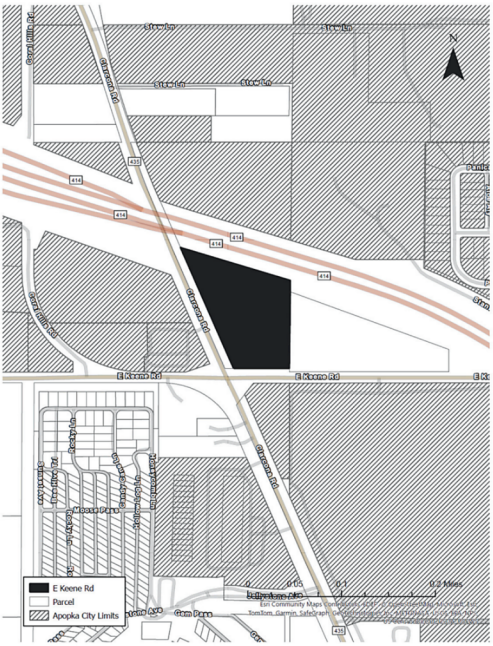
NOTICE is hereby given that Michael Rankin has made application relating to the property located at E. Keene Road, Apopka, Florida 32703, shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

ORDINANCE NO. 3160

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM COMMERCIAL TO INDUSTRIAL, FOR CERTAIN REAL PROPERTY LOCATED AT E. KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3161

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM C-C (COMMUNITY COMMERCIAL) TO I-L (LIGHT INDUSTRIAL), FOR CERTAIN REAL PROPERTY LOCATED AT E. KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 22-21-28-0000-00-206
Contains: 5.23 +/- Acres

Notice is given that the **City of Apopka Planning Commission** will hold public hearings for **Ordinance Number 3160 and 3161** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Tuesday, July 14, 2026 beginning at 5:30 P.M.,** or as soon thereafter as possible.

FURTHER NOTICE is given that public hearings for **Ordinance Number 3160 and 3161** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, August 5, 2026 beginning at 1:30 P.M., and Wednesday, August 19, 2026** beginning at 6:00 P.M., or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development Department

July 3, 2026

City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 5.
Meeting Date: August 5, 2026
Department: Community Development

SUBJECT:
Ordinance No. 3161 First Reading - Quasi-Judicial – Change of Zoning – E. Keene Road

ACTION ITEM INFORMATION:
Owner(s): HCH Development LLC
Applicant: Michael Rankin
Parcel Identification Number(s): 22-21-28-0000-00-206
Location: E. Keene Road
Existing Zoning: C-C (Community Commercial)
Proposed Zoning: I-L (Light Industrial)
Existing Use(s): Vacant
Existing Future Land Use: Commercial
Proposed Future Land Use: Industrial
Tract Size: 5.23 +/- Acres
Proposed Use: Warehouse storage (enclosed car storage)
Project Manager: Jun Sohn, Ph.D.

REQUEST:
Accept First Reading of Ordinance No. 3161 and hold it over for Second Reading and Adoption.

SUMMARY:
Owner(s): HCH Development LLC
Applicant: Michael Rankin
Parcel Identification Number(s): 22-21-28-0000-00-206
Location: E. Keene Road
Existing Zoning: C-C (Community Commercial)
Proposed Zoning: I-L (Light Industrial)
Existing Use(s): Vacant
Existing Future Land Use: Commercial
Proposed Future Land Use: Industrial
Tract Size: 5.23 +/- Acres
Proposed Use: Warehouse storage (enclosed car storage)

Direction	Future Land Use	Zoning	Present Use
North	Commercial	C-C (Community Commercial)	Vacant
East	County Rural	County A-1	Vacant
South	Commercial	C-C (Community Commercial)	Vacant
West	Commercial	C-R (Regional Commercial)	Gas Station, Vacant

PROJECT SUMMARY:
The subject property, which is approximately 5.23 acres in size, is located at the northeast corner of the intersection of East of Clarcona Road and E. Keene Road. The property is currently vacant. The applicant is requesting rezoning of the property to allow new development for warehouse storage for enclosed luxury car storage. The use of warehouse storage is permitted in the I-L zoning district per Land Development Code Section 3.5. and Table 4.2.2.C. Warehouse storage is not a permitted use in the Commercial future land use and zoning designations.

a. Is consistent with and furthers the goals, objectives and policies of the comprehensive plan and other adopted City plans;

    - Applicant's response: FLU Policy 3.1.1 states that the primary use shall be industrial, intensive commercial, agricultural and business/research parks. Also allowed are public facilities and supporting infrastructure. The maximum floor area ratio is 0.60 gross floor area. The proposed amendment to industrial is compatible with the adjacent commercial land use which has been previously established in the general area where existing industrial land uses adjacent to Keene Road are located adjacent to commercial and agriculture land uses. Additional industrial land uses are also located adjacent to Clarcona Road and Coral Hills Road to the north of the subject site which are adjacent to Agriculture land use.
    - Staff response: Staff has no objection.

b. Is in conflict with any provisions of the LDC;

    - Applicant's response: The proposed comprehensive plan amendment and zoning amendment is not in conflict with the LDC. Proposed development will need to comply with the LDC.
    - Staff response: Staff has no objection.

c. Addresses a demonstrated community need;

    - Applicant's response: The proposed land use amendment to Industrial and rezoning to Light Industrial will provide an opportunity for the community to store luxury cars within an enclosed facility with clubhouse. This type of facility is currently not offered within the city limits.
    - Staff response: Staff has no objection.

d. Is required by changed conditions;

    - Applicant's response: The current commercial land use and community commercial zoning allows for an enclosed parking facility and with a special exception automobile service station; however, it does specifically allow for enclosed vehicle storage areas; therefore, a land use amendment and rezoning is required to meet the needs of area luxury car owners.
    - Staff response: Staff has no objection.

e. Is compatible with existing and proposed uses surrounding the subject land, and is the appropriate zoning district for the land;

    - Applicant's response: The proposed amendment to industrial is compatible with the adjacent commercial land use which has been previously established in the general area where existing industrial land uses adjacent to Keene Road are located adjacent to commercial and agriculture land uses. Additional industrial land uses are also located adjacent to Clarcona Road and Coral Hills Road to the north of the subject site which are adjacent to Agriculture land use.
    - Staff response: Staff has no objection.

f. Would result in a logical and orderly development pattern;

    - Applicant's response: The general area is a mixture of agriculture, commercial and industrial land uses and zoning. Therefore, the proposed industrial land use and rezoning to Light Industrial would result in a logical and orderly development pattern consistent with the future land use map and comprehensive plan.

- Staff response: Staff has no objection.

g. Would not result in significant adverse impacts on the natural environment—including, but not limited to, water, air, noise, stormwater management, wildlife, vegetation, wetlands, and the natural functioning of the environment; and

- Applicant's response: The subject site is classified as uplands with no environmental constraints such as wetlands, water bodies or flood areas therefore, no significant impacts to the natural environment are anticipated (Figures 8 and 9). Any proposed development would need to meet the St. Johns River Water Management District stormwater criteria as well as the City of Apopka LDC, therefore, no adverse impacts are anticipated. The site will be served by the City of Apopka utilities. Ambient noise (background sound) is produced by traffic of the three major roadways adjacent to the site and the proposed enclosed luxury car storage and maintenance facility is not anticipated to increase noise levels.
- Staff response: Staff has no objection.

h. Would result in development that is adequately served by public facilities (e.g., streets, potable water, sewerage, stormwater management, solid waste collection and disposal, schools, parks, police, and fire and emergency medical facilities).

- Applicant's response: The subject site is within the City of Apopka utility service area and any proposed development will meet the minimum level of service requirements for public facilities pursuant to Infrastructure Element Policies 1.1.1, 2.1.1, and 5.1.2. The proposed industrial land use will reduce the impacts to utilities (Tables 2 and 3). The industrial land use and light industrial zoning will not affect schools or parks. Stormwater management will need to meet the St. Johns River Water Management District regulations and the City of Apopka LDC. The subject site is located within the City of Apopka and receives city services such as police, fire, and emergency medical services. The closest city fire station is Station 6 located at 1757 Ocoee Apopka Road and the closest Orange County Fire Station is Station 28 located at 3250 Clarcona Road. The city has available capacity to serve the proposed development.
- Staff response: Staff has no objection.

SCHOOL CAPACITY REPORT:
Not applicable.

ORANGE COUNTY NOTIFICATION:
The JPA (Joint Planning Agreement) requires the City to notify the County 30 days before any public hearing or advisory board. The City notified Orange County on March 16, 2026.

PUBLIC HEARING SCHEDULE:
July 14, 2026 – Planning Commission (5:30 P.M.)
August 5, 2026 – City Commission (1:30 P.M.), First Reading
August 19, 2026 – City Commission (6:00 P.M.), Second Reading and Adoption

DULY ADVERTISED:
July 3, 2026 – Apopka Chief
June 9, 2026 – Mailed notices to adjacent property owners
June 29, 2026 – Posters placed on property

FUNDING SOURCE:
Not Applicable.

RECOMMENDED MOTION:
Development Review Committee (DRC):
On April 8, 2026, DRC recommended approval of the Change of Zoning from C-C (Community Commercial) to I-L (Light Industrial), finding the proposed change consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, based on the findings and facts presented in the

staff report and exhibits.

Planning Commission:
On July 14, 2026, the Planning Commission unanimously recommended approval of Ordinance No. 3161, the proposed Change of Zoning from C-C (Community Commercial) to I-L (Light Industrial), consistent with the Comprehensive Plan and Land Development Code, and compatible with the character of the surrounding areas, recommend approval of the proposed Change of Zoning, based on the findings and facts presented in the staff report and exhibits.

Recommended Motion – City Commission:
Accept First Reading of Ordinance No. 3161 and hold it over for Second Reading and Adoption.

Note: This item is considered quasi-judicial. The staff report and its findings are to be incorporated into and made a part of the minutes of this meeting.

ATTACHMENTS:
1. Ordinance Number 3161
2. Maps
3. Community Meeting Summary
4. Concept Site Plan
5. Concept Landscape 1
6. Concept Landscape 2
7. Advertisement July 3

ORDINANCE NO. 3161

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM C-C (COMMUNITY COMMERCIAL) TO I-L (LIGHT INDUSTRIAL) FOR CERTAIN REAL PROPERTY GENERALLY LOCATED AT E. KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

WHEREAS, to manage the growth, the City of Apopka, Florida, finds it in the best interest of the public health, safety and welfare of its citizens to establish zoning classifications within the City; and

WHEREAS, Michael Rankin has requested a change in zoning on said property as identified in Section I of this ordinance; and

WHEREAS, the proposed I-L (Light Industrial) zoning has been found to be consistent with the City of Apopka Comprehensive Plan, and the City of Apopka Land Development Code.

NOW THEREFORE, BE IT ORDAINED, by the City Commission of the City of Apopka, Florida, as follows:

Section I. That the zoning classification of the property described in Exhibit A, being situated in the City of Apopka, Florida, is hereby changed to I-L District, as defined in the Apopka Land Development Code.

Section II. That the zoning classification is consistent with the Comprehensive Plan of the City of Apopka, Florida. The applicant shall obtain all approvals as required, if any, per the Orange County Charter and the Amended Interlocal Agreement for Public School Facility Planning and Implementation of Concurrency.

Section III. That the Community Development Director, or the Director's designee, is hereby authorized to amend, alter, and implement the official zoning maps of the City of Apopka, Florida, to include said designation.

Section IV. That if any section or portion of a section or subsection of this Ordinance proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force or effect of any other section or portion of section or subsection or part of this ordinance.

Section V. That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section VI. That this Ordinance shall take effect upon the date of adoption.

ADOPTED at a regular meeting of the City Commission of the City of Apopka, Florida, this ____ day of_____, 2026.

READ FIRST TIME: August 5, 2026

READ SECOND TIME AND ADOPTED: _____

ATTEST:

_____ _____

Susan Bone, City Clerk Nicholas L. Nesta, III, Mayor

Approved as to form and legal sufficiency:

_____

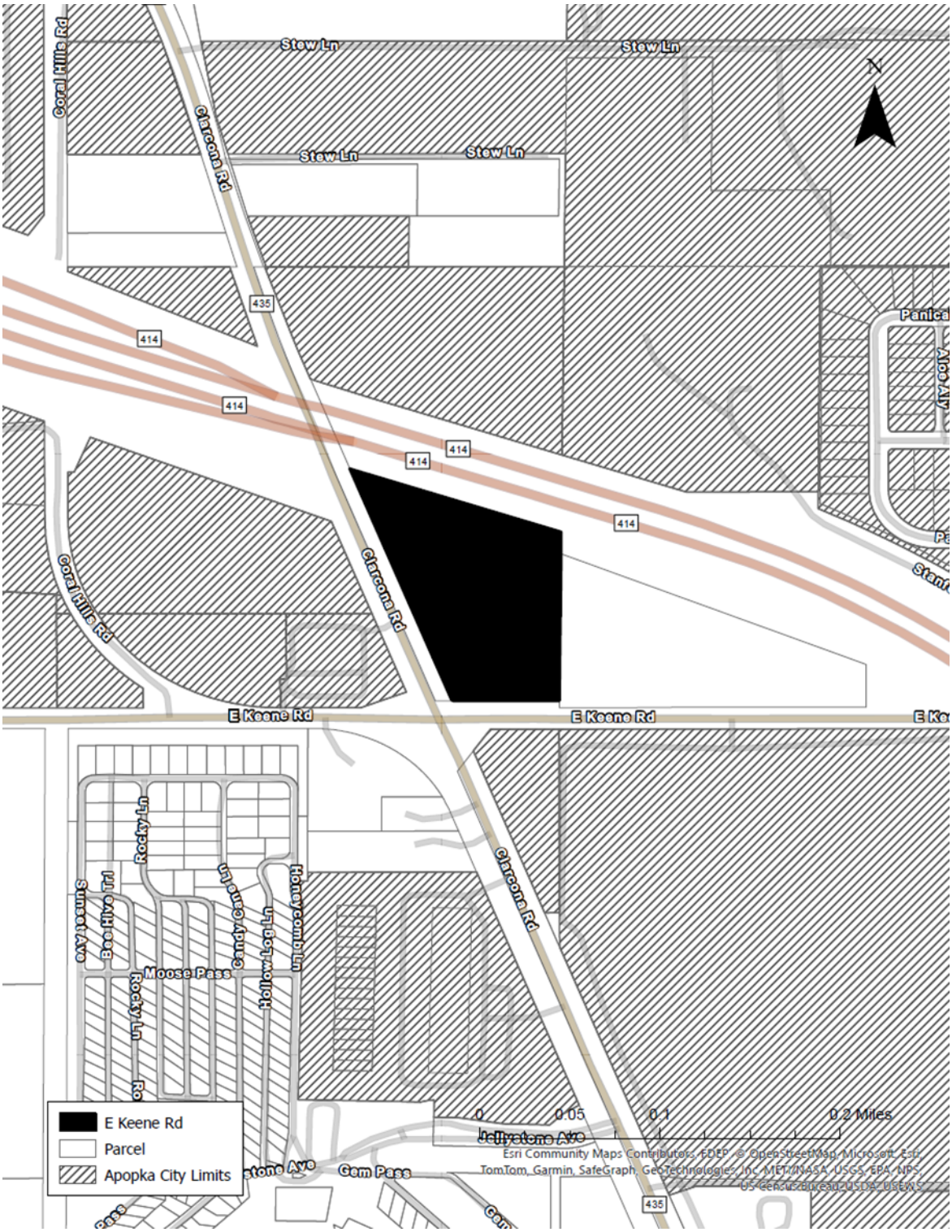
Cliff Shepard, City Attorney

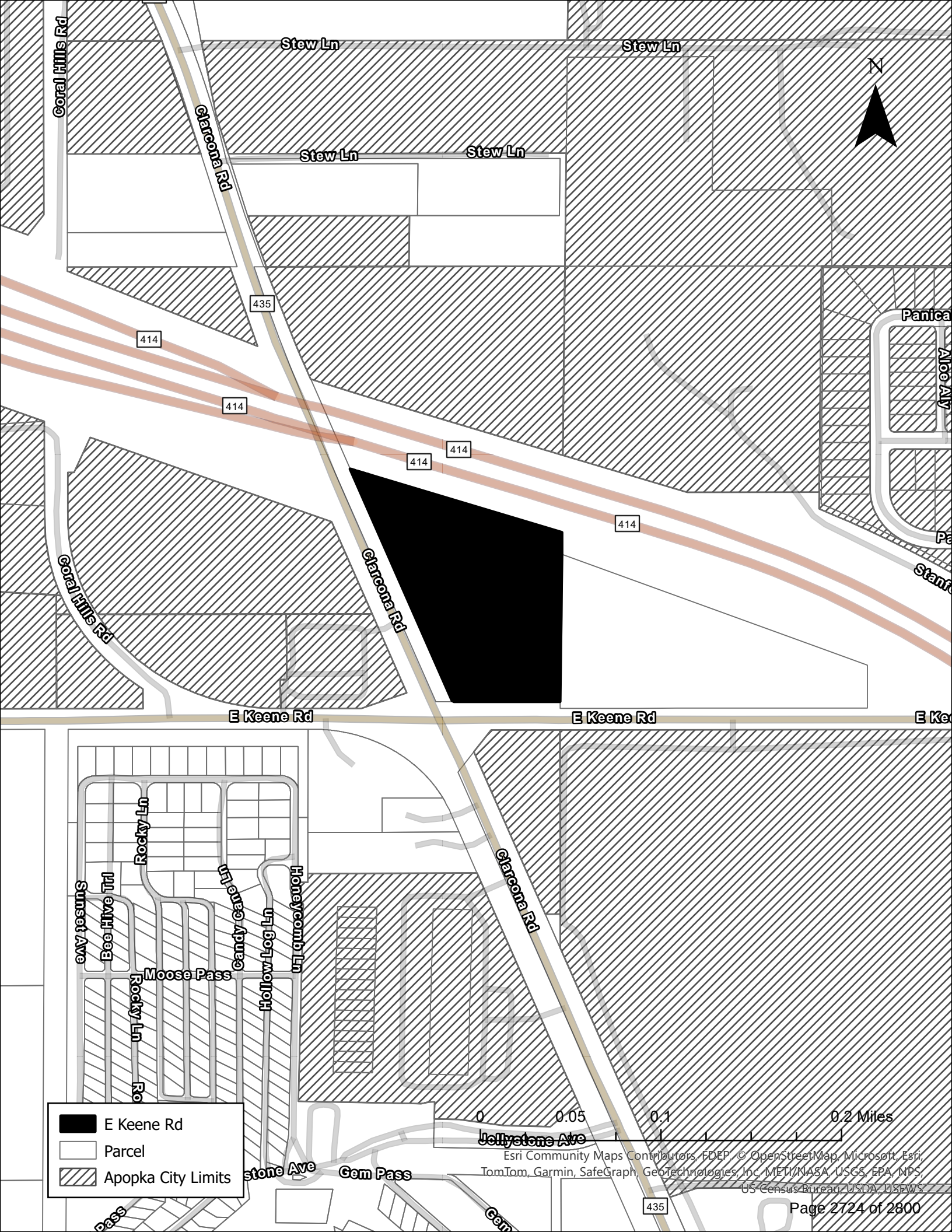
DULY ADVERTISED FOR PUBLIC HEARING: July 3, 2026

56

EXHIBIT "A"
Parcel Identification Number(s): 22-21-28-0000-00-206

Location Map

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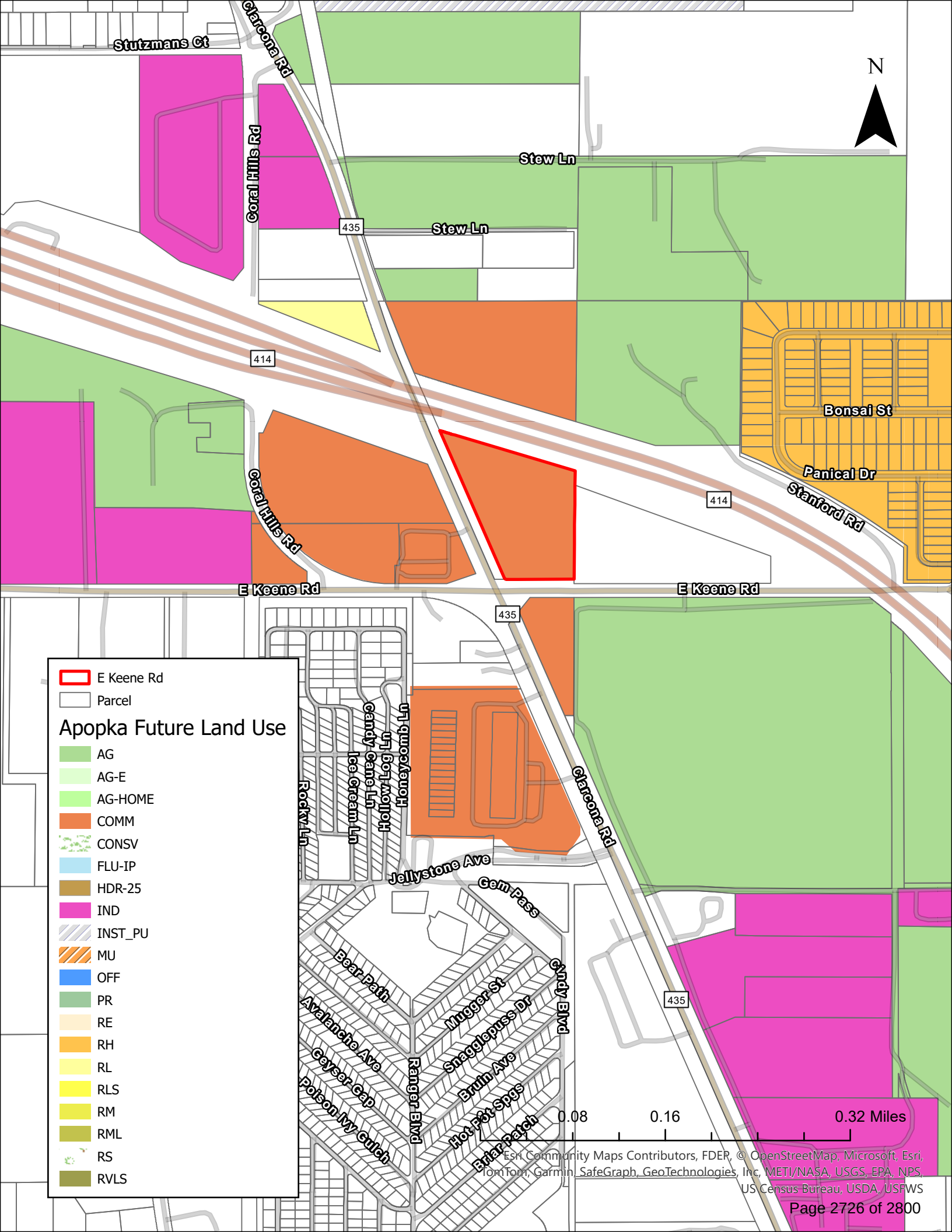

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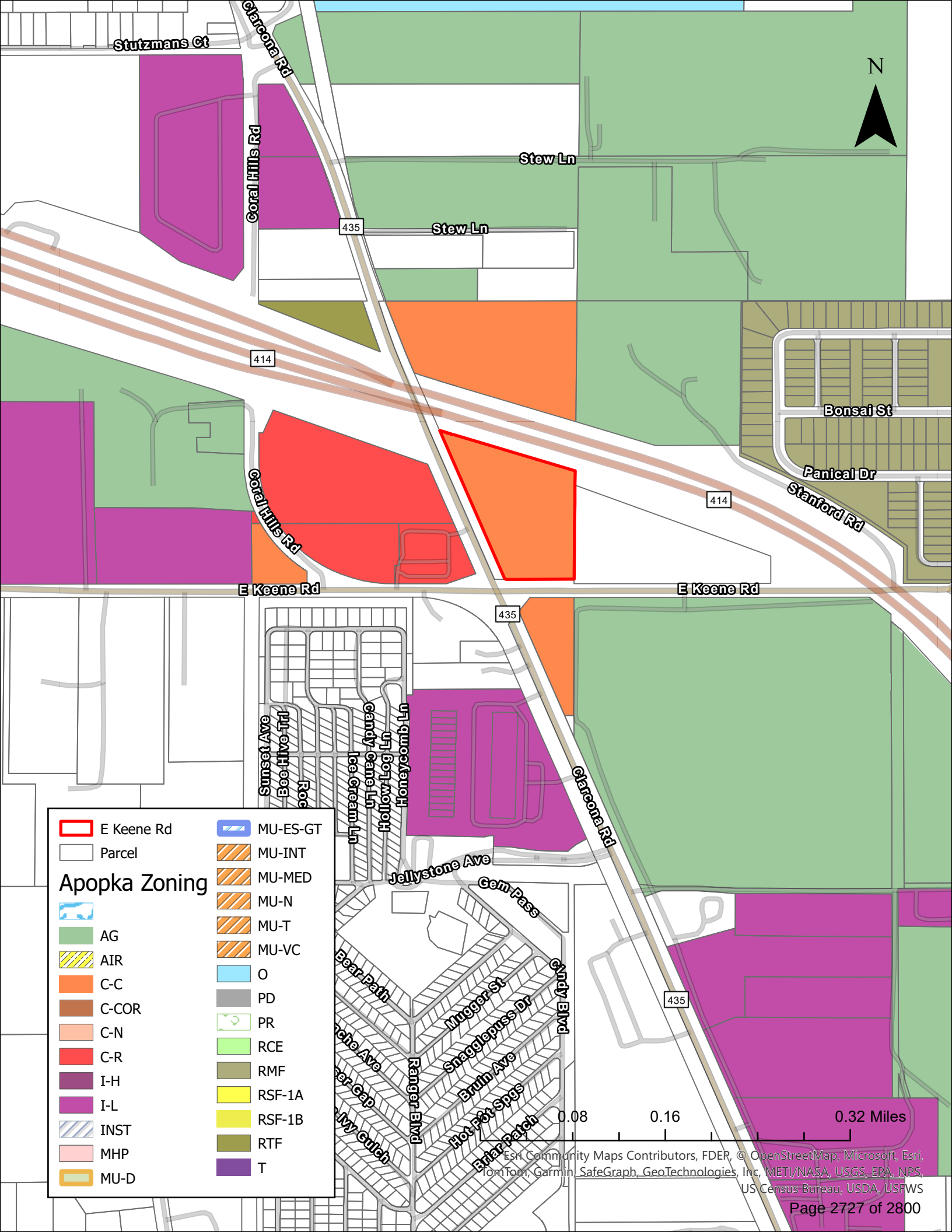
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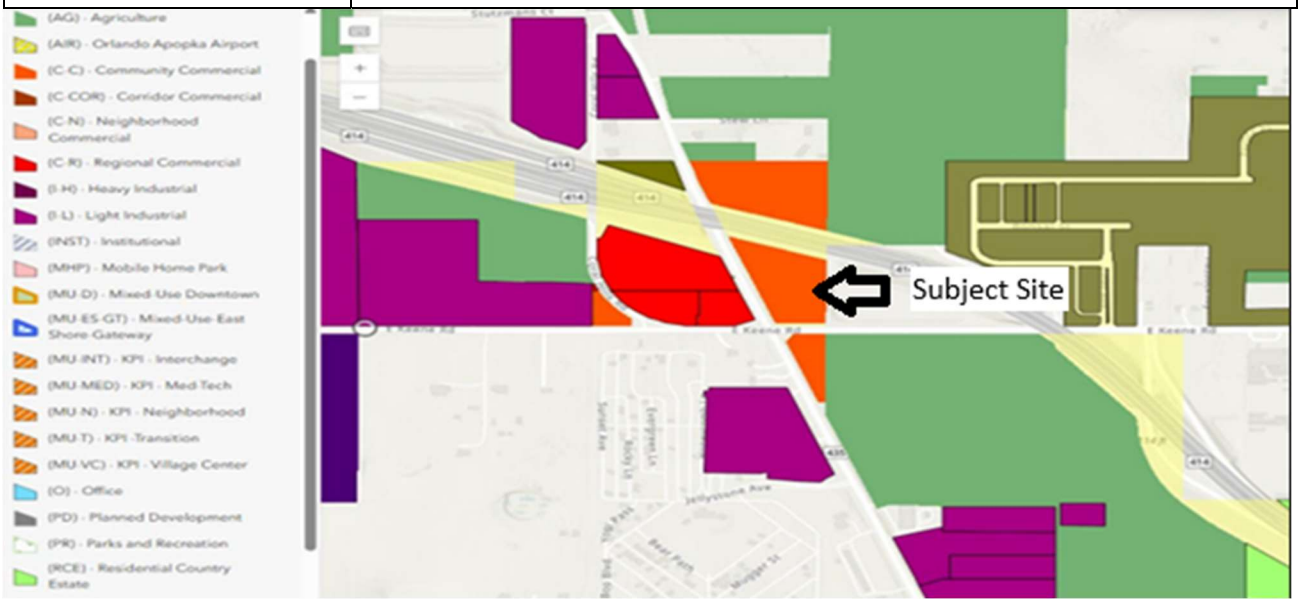
LPG, LLC

LAND PLANNING GROUP

COMMUNITY MEETING NOTICE

You are cordially invited to a Community Meeting to discuss proposed application filed with the City of Apopka. The small-scale comprehensive plan amendment consists of 5.23 + acres. The subject site is located north of E Keen Road, east of Clarcoona Road and south of Apopka Expressway (SR 414). The property record card indicates the property identification number is 22-21-28-0000-00-206 and the property use commercial vacant land. The subject property is located within the City of Apopka. The subject site is designated as Commercial on the City of Apopka future land use map with an existing zoning designation of Community Commercial (C-C). It is proposed to rezone the subject site to Light Industrial (I-L). In conjunction with the rezoning, an amendment from Commercial to Industrial is sought pursuant to the Apopka Comprehensive Plan and Land Development Code Appendix A. A Master Plan has been included for this purpose. You may request additional information by emailing Michael Rankin, LPG, LLC at MichaelR@lpgurp.com or calling (352) 385-1940.

REQUEST:	A FUTURE LAND USE MAP AMENDMENT AND REZONING FOR HCH DEVELOPMENT, LLC.
APPLICANT:	LPG URBAN AND REGIONAL PLANNERS, LLC
CONTACT:	MICHAEL RANKIN, MichaelR@lpgurp.com (352) 385-1940
EXISTING FLU:	COMMERCIAL
PROPOSED FLU:	INDUSTRIAL
EXISTING ZONING:	COMMUNITY COMMERCIAL (CC)
PROPOSED ZONING:	LIGHT INDUSTRIAL (LI)
MEETING DATE & TIME & LOCATION	MARCH 10, 2026 at 6PM MEETING IS TO BE HELD ON SITE NORTH OF E KEEN RD, EAST OF CLARCOONA RD AND SOUTH OF APOPKA EXPRESSWAY (SR414)



From:	Michael
To:	Bobby Howell
Cc:	Jean Sanchez; Tanner K; Tim Cantrell; Sherie Lindh; cat; Tommy Ramdass; urbanvestllc; Paul Medley
Subject:	Community Meeting - Motor Volta 22-21-28-0000-00-206
Date:	Wednesday, March 11, 2026 7:09:20 AM
Importance:	High

Good Morning.
Last evening, 10 March 2026 LPG conducted a Community Meeting, 6-7 PM displaying the current concept for Motor Volta.

Michael Rankin (LPG) was in attendance.
One individual, who owns property contiguous to the C-Store across from the subject site, was in attendance. Ms. Sarah Maier left no comment yet she left her email requesting additional information.

Michael "Mike" Rankin
Land Planning Group (LPG)
2050 Classique Lane
Tavares Florida 32778
352-638-4407 cell
352-385-1940 office





PNM ARCHITECTURE

PAUL N MEDLEY Architect
AIA NCARB

101 Smokerise Blvd
Longwood FL 32779
PHONE NUMBER 407-701-6440
WWW.PNM-ARCHITECTURE.COM

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SEAL AR # 96512

PROJECT

Proposed Development
luxury private garage condominiums
Clarcona and Keene road Apopka

REVISION DATES

DATE
10-8-25

SHEET TITLE
MASTER PLAN SITE

SHEET NUMBER
A1

PROJECT NO.
018-25

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CITY OF APOPKA
PUBLIC HEARING NOTICE
CHANGE OF FUTURE LAND USE AND CHANGE OF ZONING

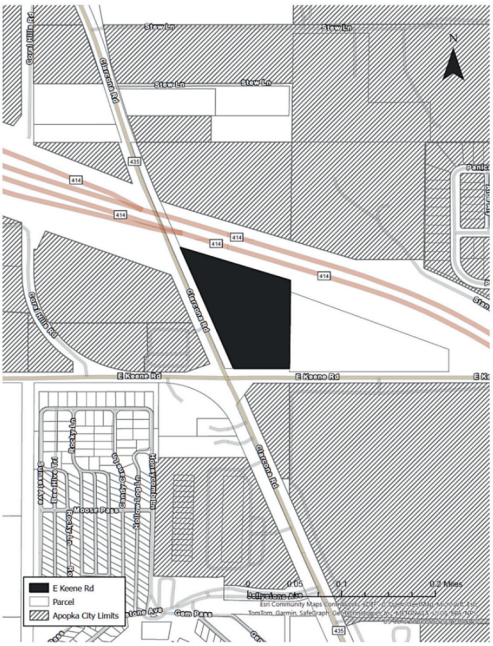
NOTICE is hereby given that Michael Rankin has made application relating to the property located at E. Keene Road, Apopka, Florida 32703, shown below for a change of future land use and a change of zoning and requested that the City of Apopka adopt the following ordinances:

ORDINANCE NO. 3160

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE FUTURE LAND USE FROM COMMERCIAL TO INDUSTRIAL, FOR CERTAIN REAL PROPERTY LOCATED AT E. KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

ORDINANCE NO. 3161

AN ORDINANCE OF THE CITY OF APOPKA, FLORIDA, CHANGING THE ZONING FROM C-C (COMMUNITY COMMERCIAL) TO I-L (LIGHT INDUSTRIAL), FOR CERTAIN REAL PROPERTY LOCATED AT E. KEENE ROAD; OWNED BY HCH DEVELOPMENT LLC, COMPRISING 5.23 ACRES, MORE OR LESS; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.



Parcel Identification Number(s): 22-21-28-0000-00-206
Contains: 5.23 +/- Acres

Notice is given that the **City of Apopka Planning Commission** will hold public hearings for **Ordinance Number 3160 and 3161** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Tuesday, July 14, 2026 beginning at 5:30 P.M.,** or as soon thereafter as possible.

FURTHER NOTICE is given that public hearings for **Ordinance Number 3160 and 3161** will be held by the **City of Apopka City Commission** at its regularly scheduled meeting in the City Commission Chambers of the Apopka City Hall, 120 E. Main Street, Apopka, Florida on **Wednesday, August 5, 2026 beginning at 1:30 P.M., and Wednesday, August 19, 2026** beginning at 6:00 P.M., or as soon thereafter as possible.

Interested parties and the public may appear at the above-listed hearings to speak. The proposed ordinances, along with any additional information regarding the application and review process, may be inspected at the Apopka Community Development Department located at Apopka City Hall, 120 E. Main Street, Apopka, Florida 32703, on weekdays between the hours of 8:00 a.m. and 4:30 p.m. Please be advised that, under State law, if you decide to appeal a decision made with respect to this matter, you will need a record of the proceedings and may need to ensure that a verbatim record is made, which record includes the testimony and evidence upon which the appeal is to be based. Written public comments regarding the application for the proposed ordinance may be submitted by mail to the City Clerk's Office at 120 East Main Street, Apopka FL 32703. In accordance with the Americans with Disabilities Act (ADA), persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office at 120 East Main Street, Apopka FL 32703, Telephone: 407-703-1704, at least 48 hours prior to the proceeding.

Apopka City Commission
Apopka Planning Commission
Community Development

July 3, 2026

City of Apopka
CITY COMMISSION STAFF REPORT

Section: PUBLIC HEARINGS/ORDINANCES/RESOLUTION (Action Item)
Item #: 6.
Meeting Date: August 5, 2026
Department: Code Enforcement

SUBJECT:
Resolution No. 2026-31 - Adopting Administrative Fine Settlement Guidelines for Code Enforcement Liens

ACTION ITEM INFORMATION:

REQUEST:
Adopt Resolution Number 2026-31 Establishing the Fine Settlement Guidelines for Code Enforcement Liens.

SUMMARY:
The City Commission has directed staff to establish uniform administrative fine settlement guidelines to promote compliance, encourage the correction of violations, reduce uncollectible lien balances, and provide a consistent method for resolving code enforcement liens. The attached resolution establishes a set Fine Settlement Guideline for both Residential and Commercial property liens as follows:

Unless otherwise approved by the City Commission, eligible code enforcement liens may be settled according to the following minimum guidelines:

A. Residential Property: Five percent (5%) of the total lien amount or Five percent (5%) of the value of the property, whichever is of lesser value.

B. Commercial, Industrial, Mixed-Use, or Nonresidential Property: Ten percent (10%) of the total lien amount or Ten percent (10%) of the value of the property, whichever is of lesser value.

FUNDING SOURCE:
N/A

RECOMMENDED MOTION:
Adopt Resolution Number 2026-31.

ATTACHMENTS:
1. Resolution No 2026-31

RESOLUTION NO 2026-31

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF APOPKA, FLORIDA, ADOPTING ADMINISTRATIVE FINE SETTLEMENT GUIDELINES FOR CODE ENFORCEMENT LIENS; ESTABLISHING MINIMUM SETTLEMENT AMOUNTS FOR RESIDENTIAL AND COMMERCIAL PROPERTIES; PROVIDING ELIGIBILITY REQUIREMENTS; AUTHORIZING THE PROCESSING OF LIEN SETTLEMENT REQUESTS; PROVIDING FOR SATISFACTION OR RELEASE OF LIENS; PROVIDING FOR CONFLICTS, SEVERABILITY, AND AN EFFECTIVE DATE.

WHEREAS, Chapter 162, Florida Statutes, authorizes municipalities to enforce codes and ordinances through code enforcement boards or special magistrates and to impose administrative fines for violations; and

WHEREAS, Section 162.09, Florida Statutes, provides that a certified copy of an order imposing a fine may be recorded in the public records and thereafter constitutes a lien; and

WHEREAS, liens arising from code enforcement fines run in favor of the local governing body, and the local governing body may execute satisfactions or releases of such liens as authorized by law; and

WHEREAS, the City Commission desires to establish uniform administrative fine settlement guidelines to promote compliance, encourage the correction of violations, reduce uncollectible lien balances, and provide a consistent method for resolving code enforcement liens; and

WHEREAS, the City Commission finds that settlement of eligible code enforcement liens after compliance has been achieved serves a valid municipal purpose and is in the best interest of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF APOPKA, FLORIDA:

SECTION 1. ADOPTION OF ADMINISTRATIVE FINE SETTLEMENT GUIDELINES.

The City Commission hereby adopts administrative fine settlement guidelines for eligible code enforcement liens imposed pursuant to Chapter 162, Florida Statutes, and the City Code.

SECTION 2. ELIGIBILITY.

A property owner, contract purchaser, lienholder, or other party with a legal or equitable interest in the property may request settlement of an eligible code enforcement lien, provided that:

1. The property is in full compliance with all cited code violations related to the lien;
2. An affidavit or written confirmation of compliance has been issued by the City;

3. All applications, forms, and supporting documents required by the city have been submitted;
4. All City-incurred hard costs, including recording costs, title search costs, abatement costs, administrative costs, and attorney's fees, have been paid or are included in the settlement amount;
5. The request does not involve active litigation, foreclosure, bankruptcy, or other legal proceedings unless reviewed and approved by the City Attorney; and
6. The applicant has disclosed whether the property is residential, commercial, mixed-use, or vacant.

SECTION 3. SETTLEMENT AMOUNTS.

Unless otherwise approved by the City Commission, eligible code enforcement liens may be settled according to the following minimum guidelines:

A. Residential Property: Five percent (5%) of the total lien amount or Five percent (5%) of the value of the property, whichever is of lesser value.

B. Commercial, Industrial, Mixed-Use, or Nonresidential Property: Ten percent (10%) of the total lien amount or Ten percent (10%) of the value of the property, whichever is of lesser value.

SECTION 4. CALCULATION OF TOTAL LIEN AMOUNT.

For purposes of this Resolution, "total lien amount" means the total accrued administrative fine balance as of the date the city calculates the settlement amount.

SECTION 5. PAYMENT DEADLINE.

The approved settlement amount shall be paid in full within ninety (90) days after written notice of the approved settlement amount is provided to the applicant. If payment is not timely received, the settlement approval shall expire automatically, and the full lien amount shall remain due and owing.

SECTION 6. SATISFACTION OR RELEASE OF LIEN.

Upon confirmation of full payment of the approved settlement amount and all required costs, the City, is authorized to execute and record a satisfaction or release of lien in the public records.

SECTION 7. NO ENTITLEMENT TO REDUCTION.

Nothing in this Resolution creates a right or entitlement to a lien reduction, settlement, compromise, satisfaction, or release. The City retains discretion to deny, modify, or condition any request based on the facts of the case, public health and safety concerns, repeat violations, bad faith, noncompliance, pending litigation, or other circumstances deemed relevant by the City.

SECTION 8. EXCLUSIONS.

The city may deny or exclude from settlement any lien involving:

1. Repeat violations;
2. Life-safety violations;
3. Irreparable or irreversible violations;
4. Properties with active violations;
5. Properties subject to foreclosure, bankruptcy, or litigation;
6. Fraud, misrepresentation, or bad faith by the applicant; or
7. Any matter where settlement is determined not to be in the best interest of the city.

SECTION 9. CONFLICTS.

All resolutions or parts of resolutions in conflict with this Resolution are repealed to the extent of such conflict.

SECTION 10. SEVERABILITY.

If any section, sentence, clause, or provision of this Resolution is held invalid, the remaining provisions shall remain in full force and effect.

SECTION 11. EFFECTIVE DATE.

This Resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED this ____ day of _____, 2026.

CITY OF APOPKA, FLORIDA

ATTEST	CITY COMMISSION OF THE CITY OF APOPKA, FLORIDA
_____	_____
Susan M. Bone City Clerk	Nicholas L. Nesta, III Mayor

City of Apopka
CITY COMMISSION STAFF REPORT

Section: INFORMATION ITEMS
Item #: 1.
Meeting Date: August 5, 2026
Department: Finance Department

SUBJECT:
City of Apopka FY2026 Budget-to-Actual for Nine Months Ending June 30, 2026.

ACTION ITEM INFORMATION:
n/a

REQUEST:
n/a

SUMMARY:
The Finance Department is submitting the City of Apopka FY2026 Monthly Budget-to-Actual Report for Nine Months Ending June 30, 2026. The report includes a summary comparison of the year-to-date and annualized revenues to year-to-date and annualized expenditures/expenses, and the resulting net income or loss for each fund. Also, we have provided a summary comparison of the FY2026 Revenues and Expenditures/Expense Budget to the Annualized (Projection) Revenues and Expenditures/Expenses with the amount of the variances noted.

FUNDING SOURCE:
FY2025-2026 Budget

RECOMMENDED MOTION:
n/a

ATTACHMENTS:
1. Narrative Monthly Budget Report June 30, 2026
2. Monthly Budget-to-Actual Report June 30, 2026

CITY OF APOPKA

Fiscal Year 2025/26
For Seven Months Ending
June 30, 2026

Report to the City Council
Prepared by Finance Department
August 5, 2026

BUDGET-TO-ACTUAL REPORT
NINE-MONTHS PERIOD ENDING JUNE 30, 2026

The following is a summary of the City's Year-to-Date Revenues and Expenditures/Expenses and Annual Projected Revenues and Expenditures/Expenses Net Income/Loss:

Revenues and Expenses/Expenditures Comparison Reports:

Year-to-Date Actuals - Revenues vs Expenses/Expenditures Net Income/(Loss)

Fund Description	FY2026 YTD Revenues Collected	FY2026 YTD Expenses / Expenditures	FY2026 Net Income (Loss)
001 GENERAL FUND	74,336,453	68,249,495	6,086,958
101 STREET IMPROVEMENTS FUND	6,642,104	6,378,085	264,019
102 TRANSPORTATION IMPACT FEES	6,298,579	3,009,212	3,289,368
103 LAW ENFORCEMENT TRUST - FEDERAL	94,140	1,923	92,217
104 RECREATION IMPACT FEES	1,313,740	555,782	757,958
105 LAW ENFORCEMENT TRUST - STATE	7,689	5,500	2,189
106 POLICE DISCRETIONARY FUND	70,962	65,501	5,461
110 FIRE IMPACT FEES	1,170,618	3,750	1,166,868
115 POLICE IMPACT FEES	1,244,363	3,750	1,240,613
120 STORMWATER SPECIAL REVENUE FUND	2,543,640	1,423,499	1,120,142
150 GRANT FUND	148,635	750,689	(602,054)
171 SPECIAL ASSESSMENT - MAINLINE VILLAGE	29,556	11,816	17,740
172 SPECIAL ASSESSMENT - MAIN /AVE VILLAS	18,141	9,309	8,831
173 SPECIAL ASSESSMENT - CIMARRON HILLS	10,087	1,277	8,809
174 SPECIAL ASSESSMENT - MARTIN PLACE POND PII	7,322	6,280	1,042
175 SPECIAL ASSESSMENT - LOVELL TERRACE	8,015	477	7,537
176 SPECIAL ASSESSMENT - LAKE MCCOY OAKS	12,781	9,467	3,313
177 SPECIAL ASSESSMENT - MARTIN PLACE PI	11,019	917	10,102
178 SPECIAL ASSESSMENT - EMERSON PARK	290,737	130,542	160,195
190 SPECIAL ASSESSMENT - STREET LIGHTS	592,865	211,967	380,899
401 WATER & WASTEWATER OPERATING FUND	32,188,660	21,586,527	10,602,133
402 SANITATION	6,811,461	5,924,775	886,686
403 WATER, WASTEWATER AND REUSE	12,098,986	7,863,025	4,235,961
610 COMMUNITY DEVELOPMENT AGENCY	1,637,463	870,286	767,177
Revenue/Expenditure Total	**147,588,015**	**117,073,851**	**30,514,164**

Annual Projections - Revenues vs Expenses/Expenditures Net Income/(Loss)

Fund Description	FY2026 Annual Revenue Projection	FY2026 Annual Expenses / Expenditures Projection	FY2026 Projected Net Income (Loss)
001 GENERAL FUND	94,763,612	90,910,465	3,853,146
101 STREET IMPROVEMENTS FUND	9,237,190	7,855,694	1,381,496
102 TRANSPORTATION IMPACT FEES	8,398,106	6,386,340	2,011,766
103 LAW ENFORCEMENT TRUST - FEDERAL	96,512	2,564	93,948
104 RECREATION IMPACT FEES	1,751,653	741,043	1,010,610
105 LAW ENFORCEMENT TRUST - STATE	10,252	7,333	2,919
106 POLICE DISCRETIONARY FUND	83,717	87,335	(3,618)
110 FIRE IMPACT FEES	1,560,824	5,000	1,555,824
115 POLICE IMPACT FEES	2,700,233	541,154	2,159,079
120 STORMWATER SPECIAL REVENUE FUND	2,796,301	2,264,399	531,902
150 GRANT FUND	1,160,237	1,638,923	(478,686)
171 SPECIAL ASSESSMENT - MAINLINE VILLAGE	31,955	15,755	16,200
172 SPECIAL ASSESSMENT - MAIN /AVE VILLAS	24,188	12,413	11,775
173 SPECIAL ASSESSMENT - CIMARRON HILLS	13,449	1,703	11,746
174 SPECIAL ASSESSMENT - MARTIN PLACE POND PII	9,762	8,373	1,389
175 SPECIAL ASSESSMENT - LOVELL TERRACE	10,686	637	10,049
176 SPECIAL ASSESSMENT - LAKE MCCOY OAKS	14,042	12,623	1,419
177 SPECIAL ASSESSMENT - MARTIN PLACE PI	14,692	1,222	13,470
178 SPECIAL ASSESSMENT - EMERSON PARK	313,557	307,171	6,386
190 SPECIAL ASSESSMENT - STREET LIGHTS	662,940	263,477	399,463
401 WATER & WASTEWATER OPERATING FUND	42,918,213	28,277,923	14,640,290
402 SANITATION	9,081,948	8,832,026	249,922
403 WATER, WASTEWATER AND REUSE	16,131,981	11,196,912	4,935,069
610 COMMUNITY DEVELOPMENT AGENCY	1,689,863	1,451,673	238,190
Revenue/Expenditure Total	**193,475,911**	**160,822,157**	**32,653,754**

Amended Revenue Budget vs Annual Revenue Projection

Fund Description	FY2026 Amended Revenues Budget	FY2026 Annual Revenues Projection	Variance
001 GENERAL FUND	123,362,149	94,763,612	(28,598,537)
101 STREET IMPROVEMENTS FUND	9,391,292	9,237,190	(154,102)
102 TRANSPORTATION IMPACT FEES	38,641,905	8,398,106	(30,243,799)
103 LAW ENFORCEMENT TRUST - FEDERAL	135,000	96,512	(38,488)
104 RECREATION IMPACT FEES	7,986,826	1,751,653	(6,235,173)
105 LAW ENFORCEMENT TRUST - STATE	100,000	10,252	(89,748)
106 POLICE DISCRETIONARY FUND	125,000	83,717	(41,283)
110 FIRE IMPACT FEES	7,348,881	1,560,824	(5,788,057)
115 POLICE IMPACT FEES	7,299,150	2,700,233	(4,598,917)
120 STORMWATER SPECIAL REVENUE FUND	2,889,659	2,796,301	(93,358)
150 GRANT FUND	8,919,267	1,160,237	(7,759,030)
171 SPECIAL ASSESSMENT - MAINLINE VILLAGE	42,000	31,955	(10,045)
172 SPECIAL ASSESSMENT - MAIN /AVE VILLAS	46,005	24,188	(21,817)
173 SPECIAL ASSESSMENT - CIMARRON HILLS	23,500	13,449	(10,051)
174 SPECIAL ASSESSMENT - MARTIN PLACE POND PII	8,373	9,762	1,389
175 SPECIAL ASSESSMENT - LOVELL TERRACE	9,404	10,686	1,282
176 SPECIAL ASSESSMENT - LAKE MCCOY OAKS	17,180	14,042	(3,138)
177 SPECIAL ASSESSMENT - MARTIN PLACE PI	14,750	14,692	(58)
178 SPECIAL ASSESSMENT - EMERSON PARK	1,959,872	313,557	(1,646,315)
190 SPECIAL ASSESSMENT - STREET LIGHTS	311,784	662,940	351,156
401 WATER & WASTEWATER OPERATING FUND	51,147,533	42,918,213	(8,229,321)
402 SANITATION	10,399,731	9,081,948	(1,317,784)
403 WATER, WASTEWATER AND REUSE	48,215,533	16,131,981	(32,083,552)
610 COMMUNITY DEVELOPMENT AGENCY	6,426,590	1,689,863	(4,736,727)
Revenue/Expenditure Total	**324,821,385**	**193,475,911**	**(131,345,474)**

Amended Budget Expenditures/Expenses vs Annual Expenditures/Expenses Projection

Fund Description	FY2026 Amended Expenses / Expenditures Budget	FY2026 Annual Expenses / Expenditures Projection	Variance
001 GENERAL FUND	123,362,149	90,910,465	32,451,684
101 STREET IMPROVEMENTS FUND	9,391,292	7,855,694	1,535,598
102 TRANSPORTATION IMPACT FEES	38,641,905	6,386,340	32,255,565
103 LAW ENFORCEMENT TRUST - FEDERAL	135,000	2,564	132,436
104 RECREATION IMPACT FEES	7,986,826	741,043	7,245,784
105 LAW ENFORCEMENT TRUST - STATE	100,000	7,333	92,667
106 POLICE DISCRETIONARY FUND	125,000	87,335	37,665
110 FIRE IMPACT FEES	7,348,881	5,000	7,343,881
115 POLICE IMPACT FEES	7,299,150	541,154	6,757,996
120 STORMWATER SPECIAL REVENUE FUND	2,889,659	2,264,399	625,260
150 GRANT FUND	8,919,267	1,638,923	7,280,344
171 SPECIAL ASSESSMENT - MAINLINE VILLAGE	42,000	15,755	26,245
172 SPECIAL ASSESSMENT - MAIN /AVE VILLAS	46,005	12,413	33,592
173 SPECIAL ASSESSMENT - CIMARRON HILLS	23,500	1,703	21,797
174 SPECIAL ASSESSMENT - MARTIN PLACE POND PII	8,373	8,373	-
175 SPECIAL ASSESSMENT - LOVELL TERRACE	9,404	637	8,767
176 SPECIAL ASSESSMENT - LAKE MCCOY OAKS	17,180	12,623	4,557
177 SPECIAL ASSESSMENT - MARTIN PLACE PI	14,750	1,222	13,528
178 SPECIAL ASSESSMENT - EMERSON PARK	1,959,872	307,171	1,652,701
190 SPECIAL ASSESSMENT - STREET LIGHTS	311,784	263,477	48,307
401 WATER & WASTEWATER OPERATING FUND	51,147,533	28,277,923	22,869,611
402 SANITATION	10,399,731	8,832,026	1,567,706
403 WATER, WASTEWATER AND REUSE	48,215,533	11,196,912	37,018,621
610 COMMUNITY DEVELOPMENT AGENCY	6,426,590	1,451,673	4,974,917
Revenue/Expenditure Total	**324,821,385**	**160,822,157**	**163,999,228**

The following is a narrative of the City's Budget-to-Actual Comparison for the Nine-Months Ending June 30, 2026. This Report will highlight the key revenues and expenditures/expenses variances of the following: General Fund, Street Improvement Fund, Transportation Impact Fee, Recreation Impact Fees, Fire Impact Fees, Police Impact Fees, Stormwater Fund, Water & Wastewater Operating Fund, Sanitation, Water & Wastewater Reuse Fund and Community Development Fund.

Revenues:

General Fund

The General Fund is the primary operating fund of the City. It exists to account for the resources devoted to finance the services traditionally associated with local government. Included in these services are Mayor's Office, Legal Services, Administrative Services, Facilities Maintenance, City Clerk, Finance, Human Resources, Fire Department, Police Department, Public Services, Parks and Recreation, Community Development, Economic Development, Information Technology and any other activity for which a special fund has not been created.

Type:	Revenue
Fund:	001 GENERAL FUND

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized	
$123,362,149	$74,336,453	$94,763,612	60.26%	

Year-to-date revenues received are lower than the 75.00% anticipated due to revenues are lower than anticipated year-to-date for building permits and plan analysis fees. We are hoping the growth in development resumes in the very near future.

Street Improvements Fund

The Streets Division performs functions related to right-of-way maintenance such as road resurfacing, sidewalk repair, potholes repair, curbs repair, street sweeping, traffic regulatory signage installation and maintenance, traffic signals maintenance, tree trimming, stormwater pond mowing, and a wide variety of related tasks as needs arise.

Type:	Revenue
Fund:	101 STREET IMPROVEMENTS FUND

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized	
$9,391,292	$6,642,104	$9,237,190	70.73%	

Year-to-date revenues collected are slightly under the anticipated amount. Revenues are lower than anticipated year-to-date for Gas Tax Revenue due to payments are made a month in arrears. Annually, we are projecting to exceed the budget.

Transportation Impact Fee Fund

The Transportation Impact Fee Fund tracks and accounts for the fees collected to ensure new development helps cover the costs associated with street infrastructure improvements within the City of Apopka.

Type:	Revenue
Fund:	102 TRANSPORTATION IMPACT FEES

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$38,641,905	$6,298,579	$8,398,106	16.30%

Year-to-date revenues collected are under the anticipated amount. Revenues for Transportation Impact Fees - Residential are coming in lower than anticipated. Please note that this fund typically uses reserves to support new and expansion related projects. As such, the budgeted revenues include $23.3M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Recreation Impact Fees Fund

The recreation impact fees are collected from new residential construction to purchase, build or improve the City's parks and recreation facilities.

Type:	Revenue
Fund:	104 RECREATION IMPACT FEES

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$7,986,826	$1,313,740	$1,751,653	16.45%

Year-to-date revenues received are less than the75.00% anticipated. This is primarily due to less that anticipated residential recreation impact fee revenue. Please note that this fund typically uses reserves to support new and expansion related projects. As such, the budgeted revenues include $5.1M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Fire Impact Fees Fund

The fire impact fees are collected from new residential construction to purchase, build or improve the City's fire facilities.

Type:	Revenue
Fund:	110 FIRE IMPACT FEES

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$7,348,881	$1,170,618	$1,560,824	15.93%

Year-to-date revenues received are less than the 75.00%% anticipated. This is primarily due to less that anticipated residential fire impact fee revenue. Please note that this fund typically uses reserves to support new and expansion related projects. As such, the budgeted revenues include $5.3M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Police Impact Fees Fund

The Police Impact Fees Fund are collected from new residential construction to purchase, build or improve the City's police facilities.

Type:	Revenue
Fund:	115 POLICE IMPACT FEES

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$7,299,150	$1,244,363	$2,700,233	17.05%

Year-to-date revenues received are less than the 75.00% anticipated. This is primarily due to less that anticipated police residential impact fee revenue. Please note that this fund typically uses reserves to support new and expansion related projects. As such, the budgeted revenues include $5.2M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Stormwater Fund

The primary purpose of the Stormwater Fund is to comply with NPDES MS4 regulations. The primary objectives of this Fund are to inspect, clean, repair, rehabilitate, and design/permit/build improvements to stormwater systems that provide flood control and significantly increases water quality treatment within the City.

Type:	Revenue
Fund:	120 STORMWATER SPECIAL REVENUE FUND

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$2,889,659	$2,543,640	$2,796,301	88.03%

Year-to-date revenues received are over the 75.00% anticipated. This is primarily due to higher than anticipated stormwater collection fee and miscellaneous revenue.

Water & Wastewater Operating Fund

The Utilities Operations Fund is used to ensure the effective operation for water, sewer and reclaim utilities for all citizens of Apopka.

Type:	Revenue
Fund:	401 WATER & WASTEWATER OPERATING FUND

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$51,147,533	$32,188,660	$42,918,213	62.93%

Year-to-date revenues collected are under the anticipated amount. This is primarily due to slightly less than anticipated revenue for backflow fee, backflow conversions, and interest on investments. Please note that this fund typically uses carryover funding to support ongoing capital projects approved in a previous year. As such, the budgeted revenues include $7.1M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Sanitation Fund

The Sanitation Fund provides commercial and household solid waste pick-up and disposal for our citizens. Solid Waste service includes residential garbage, recycling, yard waste and bulky pick-up services and commercial dumpster service.

Type:	Revenue
Fund:	402 SANITATION

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$10,399,731	$6,811,461	$9,081,948	65.50%

Year-to-date revenues collected are under the anticipated amount. Revenues for sanitation service fees and franchise fees are trending slightly lower than expected year-to-date.

Water & Wastewater Reuse Fund

The Utilities Operations Fund is used to ensure the effective operation for water, sewer and reclaim utilities for all citizens of Apopka.

Type:	Revenue
Fund:	403 WATER, WASTEWATER AND REUSE

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$48,215,533	$12,098,986	$16,131,981	25.09%

Year-to-date revenues received are less than the 75.00% anticipated. This is primarily due to less than anticipated revenues for water, wastewater, and reclaimed residential impact fees due to slow growth. Also, please note that this fund typically use reserves to support new and expansion related projects. As such, the budgeted revenues include $24.9M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Community Development Fund

The City's Community Redevelopment Fund provides the framework for projects and programs intended to revitalize and improve conditions within the Community Redevelopment Area.

Type:	Revenue
Fund:	610 COMMUNITY DEVELOPMENT AGENCY

FY26 Amended Revenue Budget	FY26 Revenue Collected	FY26 Annual Projection	% Recognized
$6,426,590	$1,637,463	$1,689,863	25.48%

Year-to-date revenues received are less than the 75.00% anticipated. Please note that this fund typically use reserves to support ongoing projects approved in a prior year and new projects. As such, the budgeted revenues include $4.9M of carry over appropriations to support such projects. This contributes to the lower percentage year-to-date.

Expenditures/Expenses:

General Fund

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1010 MAYOR'S OFFICE

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$600,020	$409,625	$528,725	68.27%

Overall year-to-date expenses are slightly less than anticipated but are expected to remain within the annual budget throughout the remainder of the year.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1015 LEGAL SERVICES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$3,349,417	$1,942,923	$2,929,896	58.01%

Overall year-to-date expenses are less than anticipated. This is primarily due to lower contract services, other current charges & books publications & subscriptions.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1020 ADMINISTRATIVE SERVICES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$605,486	$160,235	$213,567	26.46%

Overall year-to-date expenses are less than anticipated primarily due to the vacany of the City Administrator posiiton and lower expenses for contractual services. Also, this budget includes the $100K budgeted for the program to support non-profit organizations. City Commission has awarded $97,000 for the year.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1022 FACILITIES MAINTENANCE

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$5,714,328	$2,174,547	$2,679,423	38.05%

Overall year-to-date expenses are less than anticipated, primarily due to lower expenses for other contractual services, utility services, rental and leases, repairs and maintenance, vehicle maintenance, operating supplies, fuel and gasoline, buildings, and infrastructure, machinery and equipment. In addition, capital expenditures for various projects (annex renovations, fire station #2 renovations, roof renovations, museum repairs, restroom renovation, ACC walls and stages, and public services utility building roof) are scheduled to begin over the next few months.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1030 CITY CLERK

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$425,665	$294,592	$389,512	69.21%

Overall year-to-date expenses are slighly less than anticipated. Expenditures for printing services, office supplies, operating supplies, travel, postage, and training are lower than anticipated.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1120 FINANCE

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$6,110,902	$2,836,577	$3,949,674	46.42%

Overall year-to-date expenses are less than anticipated. Expenditures for travel, postage, office supplies, operating supplies, training are lower than anticipated. In addition, expenditures related to the Tyler MUNIS software implementation are lower that anticipated year-to-date.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	1170 HUMAN RESOURCES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$1,455,139	$701,377	$930,938	48.20%

Overall year-to-date expenses are less than anticipated. This is primarily due to less than anticipated expenditures for professional services, other contractual services, postage, rentals, printing, and office supplies.

Type:	Expenditure	**FIRE DEPARTMENT**
Fund:	001 GENERAL FUND	**(2110, 2120, 2130)**

Div No/Name	FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
Grand Total	**$37,505,641**	**$19,547,228**	**$25,960,499**	**52.12%**

Overall year-to-date expenses are lower than anticipated, primarily due to lower expenditures for professional services, travel, postage, rentals, repairs & maintenance, vehicle maintenance, printing, office supplies, operating supplies, traing, buildings, and equipment purchases. Also, the overtime year-to-date is 74% which is slightly below the 75.00% year-to-date.

Type:	Expenditure	**POLICE DEPARTMENT**
Fund:	001 GENERAL FUND	**(2210. 2220, 2230, 2235, 2240, 2250)**

Div No/Name	FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
Grand Total	**$34,860,889**	**$21,232,029**	**$28,293,831**	**60.91%**

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for salaries, wages, and fringe, professional services, travel, postage, utility services, communication services, training, printing, office and operating supplies, vehicle maintenance, and vehicle purchases. Overtime is approximatley 65% year-to-date, which is below the 75% anticipated.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	3310 FLEET MAINTENANCE

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$2,281,423	$1,269,127	$1,683,489	55.63%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for professional services, travel, postage, utility services, printing, office and operating supplies, vehicle maintenance, and equipment purchases. Overtime is is exceeding the 75% anticipated year-to-date.

Type:	Expenditure	**PARKS & RECREATION**
Fund:	001 GENERAL FUND	**(3512, 3513, 3514, 3612, 3614)**

Div No/Name	FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
Grand Total	**$12,414,887**	**$5,679,658**	**$7,576,894**	**45.75%**	
	Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for professional services, other contractual services, travel, postage, utility services, rentals, repairs & maintenance, vehicle maintenance, printing, promotions, office and operating supplies, amphitheater and community events, tree bank and various improvements (tractor pole barn, Amphitheater improvements, Birding Park improvements, steel pavilion for parks, sand volleyball courts, AWP Parking, cabin restroom renovations), and other equipment purchases from the Advent Health Sponsorship.				

Type:	Expenditure	**COMMUNITY DEVELOPMENT**
Fund:	001 GENERAL FUND	**(4020 and 4021)**

Div No/Name	FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
Grand Total	**$3,692,498**	**$1,759,828**	**$2,341,804**	**47.66%**	
	Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for travel, communication services, postage, rentals, repairs & maintenance, vehicle maintenance, printing, legal advertising, office & operatiing supplies, training, and vehicle purchases.				

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	4022 ECONOMIC DEVELOPMENT

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
$404,861	$314,794	$415,565	77.75%	
Overall year-to-date expenses are slightly higher than anticipated. This is primarily due to higher expenses for subscriptions and equipment purchases, but are expected to remain within the annual budget throughout the remainder of the year.				

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	5110 INFORMATION TECHNOLOGY

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
$5,874,667	$4,336,969	$5,519,112	73.82%	

Overall year-to-date expenses are slightly lower than anticipated. This is primarily due to expenses for professional services, postage, vehicle maintenance, office & operating supplies, training, equipment and other capital purchases (upgrades to the Chamber, Desktop Replacements, and City-wide Security System Expansion) year-to-date.

Type:	Expenditure
Fund:	001 GENERAL FUND
Div No. / Name:	9011 TRANSFERS

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
$8,066,326	$5,589,404	$7,496,954	69.29%	

Overall year-to-date transfers are slightly lower than anticipated, primarily due to the debt services related to the Fleet Building is pending the final design completion to begin the solicitation.

Street Improvement Fund

Type:	Expenditure
Fund:	101 STREET IMPROVEMENTS FUND

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended	
$9,391,292	$6,378,085	$7,855,694	67.91%	

Overall year-to-date expenses are lower than anticipated year-to-date. This is primarily due to lower than anticpated expenditures for professional services, other contractual services, utility services, rental and leases, repairs & maintenance, FDOT signals & equipment, street striping, vehicle maintenance, printing services, other current charges, temporary labor, office & operating supplies, fuel & gasoline, road materials & supplies, subscriptions, training, speed hump program and equipment purchases. Overtime is 46.93% year-to-date, which is below the 75.00% anticipated.

Transportation Fund

Type:	Expenditure
Fund:	102 TRANSPORTATION IMPACT FEES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$38,641,905	$3,009,212	$6,386,340	7.79%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for professional services and various improvement projects : (New Sidewalks Design & Construction, Rock Spring Road to Welch Road Intersection Improvement Design Phase, Vick Road - widen to 4 lanes design phase, Martin Street to Sun Bluff, Welch Road to Lester Road, Old Dixie Highway to Martin Street, Park Ave and Votaw Road- Intersection Improvement , Sandpiper and Park intersection improvement and signal, Lust and Binion roundabout design, Matching Funds - Ocoee-Apopka Complete Streets project pending grant agreement execution, Bradshaw & Johns Road, and several carryover projects from prior years including Kelly Park Road Widening, Harmon Road, Us 441 Errol Parkway & Bradshaw Signal Improvements, New Trail Design & Construction, Ocoee Apopka Road Widening to Alston Bay, Ocoee Apopka Road Widening Harmon Road to Bradshaw Road, West Kelly Park Road Widening and New Signals from west of Golden Gem Road to Plymouth Sorrento Road, and others .

Recreation Impact Fees

Type:	Expenditure
Fund:	104 RECREATION IMPACT FEES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$7,986,826	$555,782	$741,043	6.96%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for various projects: Mountain Park Developments, Tennis & Pickleball Facility Building & Parking Lot, and the NWRC Mulitpurpose Fields. We are expecting these expenditures to increase over the next two months.

Fire Impact Fees

Type:	Expenditure
Fund:	110 FIRE IMPACT FEES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$7,348,881	$3,750	$5,000	0.05%

Overall year-to-date expenses are less than anticipated, due to less than anticipated expenditures for the Architectural Design for Public Safety Administration Complex.

Police Impact Fees

Type:	Expenditure
Fund:	115 POLICE IMPACT FEES

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$7,299,150	$3,750	$541,154	0.05%

Overall year-to-date expenses are less than anticipated, due to less than anticipated expenditures for the Architectural Design for Public Safety Administration Complex.

Stormwater

Type:	Expenditure
Fund:	120 STORMWATER SPECIAL REVENUE FUND

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$2,889,659	$1,423,499	$2,264,399	49.26%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticpated expenditures for professional services, utility services, rentals, repairs & maintenance, printing, other current charges, office & operating supplies, fuel, subscriptions, training, and equipment purchases.

Water and wastewater Operating Fund

Type:	Expenditure
Fund:	401 WATER & WASTEWATER OPERATING FUND

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$51,147,533	$21,586,527	$28,277,923	42.20%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticpated expenditures for salaries, wages, & fringe, professional and other contractual services, communication services, travel, other current charges, postage, rentals, vehicle and repairs & maintenance, office & operating supplies, training, utility services, fuel subscriptions, backflow operational supplies, and various improvements (Plymouth Regional WTP - Misc. Rehabilitation, Vehicle purchases, Bleach Tank Replacements, High Service Distribution Pump and Drive Motor, Flow Meter, Aerator Motors, Clarifier Cleaning System, Miscellaneous Watermain Upgrades, Asbestos and Galvanized Watermain Replacement, Tower Base Stations, Wastewate Collections System Pipeline Rehab & Replacement Program, Lift Station 017-Install new lift station, Generator and Bypass pumps, and several carryover projects (Northwest Reclaim Storage Ponds, NWRC Reclaim Water Storage Pond Tranfer Pump Station, WRF Lower Resevoir & Pump Station, Distribution Flow Meter Replacements, Grossenbacher WTP - 1.5 (MG) GST Addition, Grossenbacher WTP (Wells #1, #2, & #3), Water Plant Infrastructure Assessment (wells/pumps at 3 Water Plants, and SCADA RTU upgrades)). Overtime is at 96.35% year-to-date, compared to the anticipated 75.00%, due to the extra time committed to the meter replacement & maintenance program needed to reduce the number of estimated utility billings.

Sanitation Fund

Type:	Expenditure
Fund:	402 SANITATION

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$10,399,731	$5,924,775	$8,832,026	56.97%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for salaries, wages, & fringe, other contractual services, travel, postage, sanitation tipping fees, rentals, repairs & vehicle maintenance, office & operating supplies, fuel, and vehicle purchases. Overtime is 67.48%, which is less than the anticipated 75.00% year-to-date.

Water and Wastewater Reuse Fund

Type:	Expenditure
Fund:	403 WATER, WASTEWATER AND REUSE

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$48,215,533	$7,863,025	$11,196,912	16.31%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticpated expenditures for various improvement projects (New WTP Design at Golden Gem, Pipeline Upsizing, Orange County Cross Connection, Grossenbacher WTP High Service Pump, NWRC Reclaim Water Storage W Pond Transfer Pump Station Phase 2A, Golden Gem Reclaim Water Plant Expansion and Pump Station Construction, Master Lift Station Upsize Program - LS17 Construction, Lift Station Generator Program, Kelly Park (Jason Dwelley to Plymouth Sorrento Road Upsizing, W. Orange Avenue LS 50, and several carry over projects for Grossenbacher WTP, Plymouth Regional WTP Well #3, Potable Water Plant Designs, Northwest WTP - 1.0 (MG) GST, NW Recreation Ctr and Water Reclamation Facility Exp, NWRC Reclaim Water Storage NW Pond Transfer Pump Station, New Pipelines Upsizing, LS Capacity Upsizing, WWS New Pipeline Upsizing, and WRF Design).

CRA Community Redevelopment

Type:	Expenditure
Fund:	610 COMMUNITY DEVELOPMENT AGENC

FY26 Amended Expenditure Budget	FY26 YTD Expenditures	FY26 Annual Projection	% Expended
$6,426,590	$870,286	$1,451,673	13.54%

Overall year-to-date expenses are less than anticipated, primarily due to less than anticipated expenditures for the various programs, Demolition projects, improvements related to the Downtown Apopka Trail, 5th and Central Avenue signal design, 5th and Park Avenue Signal and Pedestrian Upgrades, Downtown streetscape enhancements – 5th Street, Sidewalks North-West, City Hall Downtown Park, Station Street Lighting, Historical Markers, and Neighborhood Park & E. 8th Street & S. Highland Ave .

We have attached the City's Budget-to-Actual Detailed Report for the Nine-Months Ending June 30, 2026 for your review and acceptance.

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	**Revenue**				123,362,149	7,799,873	74,336,453	94,763,612	76.82%	60.26%
	Revenue Total				**123,362,149**	**7,799,873**	**74,336,453**	**94,763,612**	**76.82%**	**60.26%**
	Expenditure	**1010**	001-1010-512-1200	REGULAR SALARIES AND WAGES	235,821	20,665	235,714	314,285	133.27%	99.95%
			001-1010-512-1210	LONGEVITY PAY	815	-	-	-	0.00%	0.00%
			001-1010-512-1300	OTHER SALARIES AND WAGES	73,395	-	-	-	0.00%	0.00%
			001-1010-512-1600	OTHER REIMBURSED ALLOWANCES	12,000	-	7,061	9,415	78.46%	58.85%
			001-1010-512-2100	FICA TAXES - CITY MATCHING	24,635	1,537	17,396	23,195	94.15%	70.62%
			001-1010-512-2200	CITY RETIREMENT CONTRIBUTION	40,676	2,432	26,920	35,894	88.24%	66.18%
			001-1010-512-2300	LIFE AND HEALTH INSURANCE	33,861	586	20,168	26,891	79.42%	59.56%
			001-1010-512-2400	WORKER'S COMPENSATION	368	-	282	376	102.22%	76.66%
			001-1010-512-3100	PROFESSIONAL SERVICES	18,000	-	-	-	0.00%	0.00%
			001-1010-512-3400	OTHER CONTRACTUAL SERVICES				-	0.00%	0.00%
			001-1010-512-4000	TRAVEL & PER DIEM	3,250	-	549	732	22.51%	16.89%
			001-1010-512-4200	FREIGHT & POSTAGE SERVICES	1,000	-	138	184	18.44%	13.83%
			001-1010-512-4400	RENTAL AND LEASES	800	-	-	-	0.00%	0.00%
			001-1010-512-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	1,000	-	-	-	0.00%	0.00%
			001-1010-512-4700	PRINTING SERVICES	4,500	549	2,312	3,083	68.51%	51.38%
			001-1010-512-5100	OFFICE SUPPLIES	5,800	-	(1)	(1)	-0.01%	-0.01%
			001-1010-512-5200	OPERATING SUPPLIES	45,549	-	20,778	27,704	60.82%	45.62%
			001-1010-512-5201	OPERATING SUPPLIES SEAT 1	10,000	2,400	8,225	10,000	100.00%	82.25%
			001-1010-512-5202	OPERATING SUPPLIES SEAT 2	10,000	-	9,000	10,000	100.00%	90.00%
			001-1010-512-5203	OPERATING SUPPLIES SEAT 3	10,000	-	-	-	0.00%	0.00%
			001-1010-512-5204	OPERATING SUPPLIES SEAT 4	10,000	500	8,500	10,000	100.00%	85.00%
			001-1010-512-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	56,300	-	52,081	56,300	100.00%	92.51%
			001-1010-512-5500	TRAINING	2,250	-	500	667	29.63%	22.22%
		1010	**MAYOR'S OFFICE Total**		**600,020**	**28,669**	**409,625**	**528,725**	**88.12%**	**68.27%**
		1015	001-1015-514-1200	REGULAR SALARIES AND WAGES	289,900	7,345	59,281	79,041	27.26%	20.45%
			001-1015-514-1210	LONGEVITY PAY	48	-	-	-	0.00%	0.00%
			001-1015-514-2100	FICA TAXES - CITY MATCHING	20,709	505	4,038	5,384	26.00%	19.50%
			001-1015-514-2200	CITY RETIREMENT CONTRIBUTION	47,512	1,252	10,046	13,395	28.19%	21.15%
			001-1015-514-2300	LIFE AND HEALTH INSURANCE	47,754	2,752	13,876	18,502	38.74%	29.06%
			001-1015-514-2400	WORKERS' COMPENSATION	105	-	81	107	102.37%	76.78%
			001-1015-514-3100	PROFESSIONAL SERVICES	718,550	53,288	476,692	635,590	88.45%	66.34%
			001-1015-514-3400	OTHER CONTRACTUAL SERVICES	12,000	813	7,066	9,422	78.52%	58.89%
			001-1015-514-4000	TRAVEL AND PER DIEM	1,600	-	-	-	0.00%	0.00%
			001-1015-514-4200	FREIGHT & POSTAGE SERVICES	350	-	-	-	0.00%	0.00%
			001-1015-514-4400	RENTALS AND LEASES	1,000	-	-	-	0.00%	0.00%
			001-1015-514-4500	LIABILITY & CASUALTY INSURANCE	2,167,324	10,009	1,370,994	2,167,324	100.00%	63.26%
			001-1015-514-4600	REPAIR & MAINT.-BLDG & EQUIP	800	-	-	-	0.00%	0.00%
			001-1015-514-4700	PRINTING SERVICES	180	81	81	107	59.67%	44.76%
			001-1015-514-4900	OTHER CURRENT CHARGES	25,125	-	-	-	0.00%	0.00%
			001-1015-514-5100	OFFICE SUPPLIES	1,500	-	342	456	30.39%	22.80%
			001-1015-514-5200	OPERATING SUPPLIES	1,600	-	-	-	0.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	1015	001-1015-514-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	11,615	-	425	567	4.88%	3.66%
			001-1015-514-5500	TRAINING	1,745	-	-	-	0.00%	0.00%
		1015 LEGAL SERVICES Total			**3,349,417**	**76,045**	**1,942,923**	**2,929,896**	**87.47%**	**58.01%**
		1020	001-1020-512-1200	REGULAR SALARIES AND WAGES	245,816	7,009	63,806	85,075	34.61%	25.96%
			001-1020-512-1210	LONGEVITY PAY	810	-	-	-	0.00%	0.00%
			001-1020-512-1300	OTHER SALARIES AND WAGES	35,000	-	-	-	0.00%	0.00%
			001-1020-512-1600	OTHER REIMBURSED ALLOWANCES	9,600	-	-	-	0.00%	0.00%
			001-1020-512-2100	FICA TAXES - CITY MATCHING	23,540	523	4,765	6,354	26.99%	20.24%
			001-1020-512-2200	CITY RETIREMENT CONTRIBUTION	51,816	1,195	10,679	14,239	27.48%	20.61%
			001-1020-512-2300	LIFE AND HEALTH INSURANCE	43,859	2,106	10,969	14,626	33.35%	25.01%
			001-1020-512-2400	WORKERS' COMPENSATION	158	-	121	158	100.00%	76.54%
			001-1020-512-3400	OTHER CONTRACTUAL SERVICES	160,540	7,527	64,987	86,649	53.97%	40.48%
			001-1020-512-4000	TRAVEL AND PER DIEM	14,000	471	849	1,132	8.09%	6.06%
			001-1020-512-4200	FREIGHT & POSTAGE SERVICES	250	10	89	118	47.22%	35.41%
			001-1020-512-4400	RENTALS AND LEASES	5,100	581	1,742	2,323	45.56%	34.17%
			001-1020-512-4650	VEHICLE MAINTENANCE	1,200	188	267	356	29.70%	22.28%
			001-1020-512-5100	OFFICE SUPPLIES	2,500	-	249	332	13.29%	9.97%
			001-1020-512-5200	OPERATING SUPPLIES	2,700	70	348	464	17.20%	12.90%
			001-1020-512-5250	FUEL AND GASOLINE	205	126	229	229	111.49%	111.49%
			001-1020-512-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,400	-	-	-	0.00%	0.00%
			001-1020-512-5500	TRAINING	5,992	-	1,134	1,512	25.23%	18.92%
		1020 ADMINISTRATIVE SERVICES Total			**605,486**	**19,807**	**160,235**	**213,567**	**35.27%**	**26.46%**
		1022	001-1022-519-1200	REGULAR SALARIES AND WAGES	405,693	32,625	291,309	388,412	95.74%	71.81%
			001-1022-519-1210	LONGEVITY PAY	598	-	-	-	0.00%	0.00%
			001-1022-519-1400	OVERTIME PAY	30,247	1,734	15,951	21,268	70.31%	52.74%
			001-1022-519-2100	FICA TAXES - CITY MATCHING	33,395	2,492	22,439	29,919	89.59%	67.19%
			001-1022-519-2200	CITY RETIREMENT CONTRIBUTIONS	71,533	5,858	51,623	68,831	96.22%	72.17%
			001-1022-519-2300	LIFE AND HEALTH INSURANCE	93,341	13,899	67,266	89,688	96.09%	72.06%
			001-1022-519-2400	WORKERS' COMPENSATION	1,888	-	1,447	1,888	100.00%	76.66%
			001-1022-519-3100	PROFESSIONAL SERVICES				-	0.00%	0.00%
			001-1022-519-3400	OTHER CONTRACTUAL SERVICES	639,500	30,747	347,812	463,749	72.52%	54.39%
			001-1022-519-4300	UTILITY SERVICES	200,000	11,691	90,633	135,950	67.97%	45.32%
			001-1022-519-4400	RENTALS AND LEASES	6,300	132	1,180	1,573	24.97%	18.73%
			001-1022-519-4600	REPAIR & MAINT.-BLDG & EQUIP	961,392	40,043	303,732	404,975	42.12%	31.59%
			001-1022-519-4650	VEHICLE MAINTENANCE	10,000	248	3,912	5,216	52.16%	39.12%
			001-1022-519-4900	OTHER CURRENT CHARGES	50,000	-	47,415	50,000	100.00%	94.83%
			001-1022-519-5100	OFFICE SUPPLIES	2,000	-	-	-	0.00%	0.00%
			001-1022-519-5200	OPERATING SUPPLIES	217,020	17,206	116,058	154,744	71.30%	53.48%
			001-1022-519-5250	FUEL AND GASOLINE	5,504	624	3,090	4,121	74.87%	56.15%
			001-1022-519-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,500	-	2,147	2,863	114.51%	85.88%
			001-1022-519-5500	TRAINING	5,000	-	140	186	3.72%	2.79%
			001-1022-519-6200	BUILDINGS	1,835,338	-	249,873	249,873	13.61%	13.61%
			001-1022-519-6300	INFRASTRUCTURE	79,986	-	8,665	8,665	10.83%	10.83%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	1022	001-1022-519-6400	MACHINERY AND EQUIPMENT	1,063,093	32,280	549,856	597,503	56.20%	51.72%
		1022 FACILITIES MAINTENANCE Total			**5,714,328**	**189,579**	**2,174,547**	**2,679,423**	**46.89%**	**38.05%**
		1030	001-1030-512-1200	REGULAR SALARIES AND WAGES	240,744	18,811	167,748	223,665	92.91%	69.68%
			001-1030-512-1210	LONGEVITY PAY	739	-	-	-	0.00%	0.00%
			001-1030-512-1400	OVERTIME PAY	1,261	180	1,598	2,131	169.00%	126.75%
			001-1030-512-2100	FICA TAXES - CITY MATCHING	18,570	1,353	12,096	16,128	86.85%	65.14%
			001-1030-512-2200	CITY RETIREMENT CONTRIBUTION	39,777	3,238	28,305	37,741	94.88%	71.16%
			001-1030-512-2300	LIFE AND HEALTH INSURANCE	56,669	8,695	41,409	55,212	97.43%	73.07%
			001-1030-512-2400	WORKERS' COMPENSATION	105	-	81	105	100.00%	76.78%
			001-1030-512-3100	PROFESSIONAL SERVICES	1,000	-	-	-	0.00%	0.00%
			001-1030-512-3400	OTHER CONTRACTUAL SERVICES	40,000	-	32,456	40,000	100.00%	81.14%
			001-1030-512-4000	TRAVEL & PER DIEM	2,000	202	890	1,187	59.33%	44.50%
			001-1030-512-4200	FREIGHT & POSTAGE SERVICES	500	16	211	281	56.26%	42.20%
			001-1030-512-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	2,500	279	2,340	3,120	124.80%	93.60%
			001-1030-512-4700	PRINTING SERVICES	6,500	-	138	184	2.83%	2.12%
			001-1030-512-4900	OTHER CURRENT CHARGES	4,000	-	-	-	0.00%	0.00%
			001-1030-512-4902	LEGAL ADVERTISING	6,000	-	5,189	6,919	115.31%	86.48%
			001-1030-512-5100	OFFICE SUPPLIES	1,500	-	608	811	54.03%	40.53%
			001-1030-512-5200	OPERATING SUPPLIES	1,000	(80)	190	253	25.33%	18.99%
			001-1030-512-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,200	-	732	976	81.32%	60.99%
			001-1030-512-5500	TRAINING	1,600	500	600	800	50.00%	37.50%
		1030 CITY CLERK Total			**425,665**	**33,194**	**294,592**	**389,512**	**91.51%**	**69.21%**
		1120	001-1120-513-1200	REGULAR SALARIES AND WAGES	1,497,724	96,213	940,492	1,253,989	83.73%	62.79%
			001-1120-513-1210	LONGEVITY PAY	1,633	-	-	-	0.00%	0.00%
			001-1120-513-1400	OVERTIME PAY	11,716	131	1,627	2,170	18.52%	13.89%
			001-1120-513-2100	FICA TAXES - CITY MATCHING	118,657	7,018	68,569	91,425	77.05%	57.79%
			001-1120-513-2200	CITY RETIREMENT CONTRIBUTION	253,389	16,417	157,040	209,387	82.63%	61.98%
			001-1120-513-2300	LIFE AND HEALTH INSURANCE	296,675	34,511	192,496	256,662	86.51%	64.88%
			001-1120-513-2400	WORKER'S COMPENSATION	503	-	363	484	96.16%	72.12%
			001-1120-513-3100	PROFESSIONAL SERVICES	207,000	31,182	127,915	170,554	82.39%	61.79%
			001-1120-513-3200	AUDIT SERVICES	65,000	-	63,100	84,133	129.44%	97.08%
			001-1120-513-3400	OTHER CONTRACTUAL SERVICES	83,155	3,509	73,139	83,155	100.00%	87.95%
			001-1120-513-4000	TRAVEL & PER DIEM	11,400	152	292	390	3.42%	2.57%
			001-1120-513-4200	FREIGHT & POSTAGE SERVICES	4,500	291	2,880	3,841	85.35%	64.01%
			001-1120-513-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	-	-	-	-	0.00%	0.00%
			001-1120-513-4700	PRINTING SERVICES	4,770	-	3,983	4,770	100.00%	83.50%
			001-1120-513-4900	OTHER CURRENT CHARGES	55,000	6,651	64,518	64,518	117.31%	117.31%
			001-1120-513-4902	LEGAL ADVERTISING	6,900	244	456	609	8.82%	6.62%
			001-1120-513-5100	OFFICE SUPPLIES	8,600	703	5,997	7,997	92.98%	69.74%
			001-1120-513-5200	OPERATING SUPPLIES	11,400	-	161	215	1.89%	1.41%
			001-1120-513-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	4,765	560	2,565	3,420	71.77%	53.83%
			001-1120-513-5500	TRAINING	22,330	835	2,232	2,975	13.32%	9.99%
			001-1120-513-6400	EQUIPMENT AND MACHINERY	203,981	-	-	203,981	100.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	1120	001-1120-513-6800	INTANGIBLE ASSETS	3,241,804	137,939	1,128,750	1,505,000	46.42%	34.82%
			001-1120-513-9150	TRANSFER TO GRANT FUND	-	-	-	-	0.00%	0.00%
		1120 FINANCE Total			**6,110,902**	**336,354**	**2,836,577**	**3,949,674**	**64.63%**	**46.42%**
		1170	001-1170-513-1200	REGULAR SALARIES AND WAGES	467,898	34,526	318,279	424,372	90.70%	68.02%
			001-1170-513-1210	LONGEVITY PAY	457	-	-	457	100.00%	0.00%
			001-1170-513-1300	OTHER SALARIES AND WAGES	20,800	-	-	-	0.00%	0.00%
			001-1170-513-1400	OVERTIME PAY	2,133	541	3,476	4,634	217.31%	162.98%
			001-1170-513-1600	OTHER REIMBURSED ALLOWANCES	480	37	338	450	93.84%	70.38%
			001-1170-513-1700	HUMAN RESOURCES CONTINGENCY	100,000	-	-	-	0.00%	0.00%
			001-1170-513-2100	FICA TAXES - CITY MATCHING	37,621	2,582	23,710	31,614	84.03%	63.02%
			001-1170-513-2200	CITY RETIREMENT CONTRIBUTION	76,550	5,612	51,130	68,174	89.06%	66.79%
			001-1170-513-2300	LIFE AND HEALTH INSURANCE	103,496	12,039	58,481	77,975	75.34%	56.51%
			001-1170-513-2400	WORKER'S COMPENSATION	754	-	161	215	28.49%	21.37%
			001-1170-513-2500	UNEMPLOYMENT COMPENSATION	32,000	-	3,804	5,072	15.85%	11.89%
			001-1170-513-3100	PROFESSIONAL SERVICES	128,500	18,000	44,465	59,287	46.14%	34.60%
			001-1170-513-3400	OTHER CONTRACTUAL SERVICES	310,000	5,402	110,846	147,795	47.68%	35.76%
			001-1170-513-4000	TRAVEL & PER DIEM	14,200	-	105	139	0.98%	0.74%
			001-1170-513-4200	FREIGHT & POSTAGE SERVICES	500	146	266	355	71.04%	53.28%
			001-1170-513-4400	RENTALS AND LEASES	1,400	-	-	-	0.00%	0.00%
			001-1170-513-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT				-	0.00%	0.00%
			001-1170-513-4700	PRINTING SERVICES	4,200	-	2,816	3,754	89.38%	67.04%
			001-1170-513-4900	OTHER CURRENT CHARGES	10,000	-	7,573	10,097	100.97%	75.73%
			001-1170-513-5100	OFFICE SUPPLIES	4,400	59	2,831	3,774	85.78%	64.34%
			001-1170-513-5200	OPERATING SUPPLIES	23,100	287	20,841	23,100	100.00%	90.22%
			001-1170-513-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	16,000	222	2,452	3,270	20.44%	15.33%
			001-1170-513-5500	TRAINING	66,900	4,340	49,802	66,403	99.26%	74.44%
			001-1170-513-6400	EQUIPMENT AND MACHINERY	8,000	-	-	-	0.00%	0.00%
			001-1170-513-6800	INTANGIBLE ASSETS	25,750	-	-	-	0.00%	0.00%
		1170 HUMAN RESOURCES Total			**1,455,139**	**83,794**	**701,377**	**930,938**	**63.98%**	**48.20%**
		2110	001-2110-522-1200	REGULAR SALARIES AND WAGES	1,374,369	135,317	1,103,487	1,471,317	107.05%	80.29%
			001-2110-522-1210	LONGEVITY PAY	3,683	-	-	3,683	100.00%	0.00%
			001-2110-522-1225	PROFICIENCY PAY	108,535	3,642	33,321	44,429	40.93%	30.70%
			001-2110-522-1400	OVERTIME PAY	-	1,564	3,001	4,001	0.00%	0.00%
			001-2110-522-1500	SPECIAL PAY	13,559	436	3,991	5,321	39.24%	29.43%
			001-2110-522-2100	FICA TAXES - CITY MATCHING	114,762	9,883	80,721	107,628	93.78%	70.34%
			001-2110-522-2200	CITY RETIREMENT CONTRIBUTION	341,285	37,639	387,334	516,446	151.32%	113.49%
			001-2110-522-2300	LIFE AND HEALTH INSURANCE	347,748	61,235	257,908	343,877	98.89%	74.17%
			001-2110-522-2400	WORKER'S COMPENSATION	10,272	-	7,874	10,272	100.00%	76.65%
			001-2110-522-3100	PROFESSIONAL SERVICES	146,630	7,545	27,128	36,170	24.67%	18.50%
			001-2110-522-3400	OTHER CONTRACTUAL SERVICES	134,477	125	103,646	134,477	100.00%	77.07%
			001-2110-522-4000	TRAVEL & PER DIEM	28,200	96	3,085	4,113	14.58%	10.94%
			001-2110-522-4200	FREIGHT & POSTAGE SERVICES	1,800	-	76	101	5.60%	4.20%
			001-2110-522-4300	UTILITY SERVICES	200,000	9,393	140,512	210,768	105.38%	70.26%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	2110	001-2110-522-4400	RENTAL AND LEASES	15,000	-	6,199	8,266	55.11%	41.33%
			001-2110-522-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	13,000	737	1,673	2,230	17.16%	12.87%
			001-2110-522-4650	VEHICLE MAINTENANCE	10,000	782	6,299	8,399	83.99%	62.99%
			001-2110-522-4700	PRINTING SERVICES	2,800	-	1,635	2,180	77.86%	58.39%
			001-2110-522-5100	OFFICE SUPPLIES	25,000	1,043	10,686	14,248	56.99%	42.74%
			001-2110-522-5200	OPERATING SUPPLIES	76,469	3,523	18,832	25,109	32.84%	24.63%
			001-2110-522-5250	FUEL AND GASOLINE	8,525	1,698	9,501	8,525	100.00%	111.45%
			001-2110-522-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	10,550	1,188	4,606	6,141	58.21%	43.66%
			001-2110-522-5500	TRAINING	244,300	2,274	39,220	52,294	21.41%	16.05%
			001-2110-522-6400	EQUIPMENT AND MACHINERY	72,454	-	14,171	18,894	26.08%	19.56%
			001-2110-522-6800	INTANGIBLE ASSETS	327,101	-	130,882	174,509	53.35%	40.01%
		2110 FIRE CHIEF Total			**3,630,519**	**278,120**	**2,395,786**	**3,213,397**	**88.51%**	**65.99%**
		2120	001-2120-522-1200	REGULAR SALARIES AND WAGES	1,788,727	109,163	1,008,266	1,344,354	75.16%	56.37%
			001-2120-522-1210	LONGEVITY PAY	4,673	-	-	-	0.00%	0.00%
			001-2120-522-1225	PROFICIENCY PAY	86,048	-	-	-	0.00%	0.00%
			001-2120-522-1400	OVERTIME PAY	98,519	19,149	76,623	102,164	103.70%	77.78%
			001-2120-522-1500	SPECIAL PAY	3,600	162	1,477	1,969	54.70%	41.02%
			001-2120-522-2100	FICA TAXES - CITY MATCHING	180,869	9,445	79,786	106,381	58.82%	44.11%
			001-2120-522-2200	CITY RETIREMENT CONTRIBUTION	576,223	31,191	281,603	375,471	65.16%	48.87%
			001-2120-522-2300	LIFE AND HEALTH INSURANCE	502,034	49,365	289,571	386,094	76.91%	57.68%
			001-2120-522-2400	WORKER'S COMPENSATION	38,028	-	57,042	76,056	200.00%	150.00%
			001-2120-522-4000	TRAVEL & PER DIEM	25,000	-	3,327	4,436	17.75%	13.31%
			001-2120-522-4400	RENTALS AND LEASES	22,000	-	-	-	0.00%	0.00%
			001-2120-522-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	308,457	67,650	141,192	188,256	61.03%	45.77%
			001-2120-522-4650	VEHICLE MAINTENANCE	709,872	12,130	152,181	202,908	28.58%	21.44%
			001-2120-522-4850	PUBLIC RELATIONS	53,677	1,437	9,496	12,661	23.59%	17.69%
			001-2120-522-5200	OPERATING SUPPLIES	926,347	49,996	555,085	740,113	79.90%	59.92%
			001-2120-522-5250	FUEL AND GASOLINE	90,311	12,031	75,242	100,323	111.09%	83.31%
			001-2120-522-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	13,999	-	45	60	0.43%	0.32%
			001-2120-522-5500	TRAINING	10,000	-	4,712	6,283	62.83%	47.12%
			001-2120-522-6200	BUILDINGS	219,666	1,020	49,360	65,814	29.96%	22.47%
			001-2120-522-6400	EQUIPMENT AND MACHINERY	4,476,129	151,498	718,646	958,195	21.41%	16.06%
		2120 FIRE SUPPRESSION Total			**10,134,180**	**514,236**	**3,503,653**	**4,671,537**	**46.10%**	**34.57%**
		2130	001-2130-526-1200	REGULAR SALARIES AND WAGES	10,175,085	751,141	6,779,684	9,039,578	88.84%	66.63%
			001-2130-526-1210	LONGEVITY PAY	23,777	-	-	23,777	100.00%	0.00%
			001-2130-526-1225	PROFICIENCY PAY	1,078,793	42,485	392,656	523,542	48.53%	36.40%
			001-2130-526-1400	OVERTIME PAY	1,319,275	141,429	970,048	1,293,398	98.04%	73.53%
			001-2130-526-1500	SPECIAL PAY	79,479	2,857	26,118	34,824	43.82%	32.86%
			001-2130-526-2100	FICA TAXES - CITY MATCHING	969,745	69,953	608,571	811,428	83.67%	62.76%
			001-2130-526-2200	CITY RETIREMENT CONTRIBUTION	3,059,059	229,927	2,107,541	2,810,054	91.86%	68.90%
			001-2130-526-2300	LIFE AND HEALTH INSURANCE	2,423,946	290,826	1,350,326	1,800,435	74.28%	55.71%
			001-2130-526-2400	WORKER'S COMPENSATION	186,526	-	99,107	132,143	70.84%	53.13%
			001-2130-526-3400	OTHER CONTRACTUAL SERVICES	709,500	245	641,073	709,500	100.00%	90.36%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	2130	001-2130-526-4100	COMMUNICATIONS SERVICES	8,450	-	-	-	0.00%	0.00%
			001-2130-526-4400	RENTAL AND LEASES	50,000	2,146	19,472	25,962	51.92%	38.94%
			001-2130-526-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	50,000	-	-	-	0.00%	0.00%
			001-2130-526-4650	VEHICLE MAINTENANCE	300,000	8,066	133,989	178,652	59.55%	44.66%
			001-2130-526-4700	PRINTING SERVICES	2,100	-	-	-	0.00%	0.00%
			001-2130-526-4950	EMS BILLING EXPENSE	175,000	12,022	93,402	124,536	71.16%	53.37%
			001-2130-526-5200	OPERATING SUPPLIES	453,435	36,511	272,223	362,964	80.05%	60.04%
			001-2130-526-5250	FUEL AND GASOLINE	70,449	8,395	46,323	61,764	87.67%	65.75%
			001-2130-526-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	5,000	-	-	-	0.00%	0.00%
			001-2130-526-5500	TRAINING	158,001	15,501	97,883	130,511	82.60%	61.95%
			001-2130-526-6400	EQUIPMENT AND MACHINERY	2,443,323	-	9,372	12,496	0.51%	0.38%
		2130 FIRE EMS Total			**23,740,942**	**1,611,504**	**13,647,789**	**18,075,565**	**76.14%**	**57.49%**
		2210	001-2210-521-1200	REGULAR SALARIES AND WAGES	819,457	87,659	781,153	1,041,537	127.10%	95.33%
			001-2210-521-1210	LONGEVITY PAY	1,449	-	-	-	0.00%	0.00%
			001-2210-521-1225	PROFICIENCY PAY	2,000	-	-	-	0.00%	0.00%
			001-2210-521-1400	OVERTIME PAY	14,707	1,752	22,157	29,542	200.87%	150.65%
			001-2210-521-1500	SPECIAL PAY	3,840	120	1,236	1,648	42.92%	32.19%
			001-2210-521-1600	OTHER REIMBURSED ALLOWANCES	960	-	42	57	5.90%	4.42%
			001-2210-521-2100	FICA TAXES - CITY MATCHING	61,096	6,556	59,061	78,748	128.89%	96.67%
			001-2210-521-2200	CITY RETIREMENT CONTRIBUTION	178,326	19,837	174,859	233,145	130.74%	98.06%
			001-2210-521-2300	LIFE AND HEALTH INSURANCE	145,115	34,674	130,847	174,462	120.22%	90.17%
			001-2210-521-2400	WORKER'S COMPENSATION	4,662	-	3,574	4,765	102.21%	76.66%
			001-2210-521-3100	PROFESSIONAL SERVICES	159,000	2,666	22,838	30,450	19.15%	14.36%
			001-2210-521-4000	TRAVEL & PER DIEM	20,100	725	9,903	13,204	65.69%	49.27%
			001-2210-521-4200	FREIGHT & POSTAGE SERVICES	12,000	282	3,217	4,289	35.74%	26.81%
			001-2210-521-4300	UTILITY SERVICES	60,000	4,480	36,935	55,403	92.34%	61.56%
			001-2210-521-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	28,050	536	9,469	12,625	45.01%	33.76%
			001-2210-521-4650	VEHICLE MAINTENANCE	12,000	1,664	4,621	6,161	51.34%	38.51%
			001-2210-521-4700	PRINTING SERVICES	3,575	-	1,350	1,800	50.35%	37.76%
			001-2210-521-5100	OFFICE SUPPLIES	3,250	15	1,776	2,368	72.87%	54.66%
			001-2210-521-5200	OPERATING SUPPLIES	57,800	752	34,406	45,875	79.37%	59.53%
			001-2210-521-5250	FUEL AND GASOLINE	5,272	965	4,761	5,272	100.00%	90.30%
			001-2210-521-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	9,020	-	4,970	6,627	73.47%	55.10%
			001-2210-521-5500	TRAINING	125,650	1,289	45,425	60,566	48.20%	36.15%
			001-2210-521-6400	EQUIPMENT AND MACHINERY	9,470	-	2,363	3,151	33.27%	24.95%
			001-2210-521-6800	INTANGIBLE ASSETS	10,854	-	5,700	7,600	70.02%	52.52%
		2210 POLICE CHIEF Total			**1,747,653**	**163,971**	**1,360,661**	**1,819,295**	**104.10%**	**77.86%**
		2220	001-2220-521-1200	REGULAR SALARIES AND WAGES	9,288,400	642,277	5,787,072	7,716,096	83.07%	62.30%
			001-2220-521-1210	LONGEVITY PAY	14,834	-	-	-	0.00%	0.00%
			001-2220-521-1225	PROFICIENCY PAY	42,998	1,846	18,384	24,512	57.01%	42.76%
			001-2220-521-1300	OTHER SALARIES AND WAGES	17,256	-	-	-	0.00%	0.00%
			001-2220-521-1400	OVERTIME PAY	386,003	28,814	291,414	388,552	100.66%	75.50%
			001-2220-521-1500	SPECIAL PAY	65,763	3,480	31,828	42,438	64.53%	48.40%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	2220	001-2220-521-1600	OTHER REIMBURSED ALLOWANCES	5,400	188	1,716	2,288	42.37%	31.78%
			001-2220-521-2100	FICA TAXES - CITY MATCHING	753,193	49,908	452,525	603,367	80.11%	60.08%
			001-2220-521-2200	CITY RETIREMENT CONTRIBUTION	2,510,029	164,008	1,579,650	2,106,200	83.91%	62.93%
			001-2220-521-2300	LIFE AND HEALTH INSURANCE	2,062,360	222,277	1,068,034	1,424,046	69.05%	51.79%
			001-2220-521-2400	WORKER'S COMPENSATION	113,317	-	62,717	83,623	73.80%	55.35%
			001-2220-521-3100	PROFESSIONAL SERVICES	28,250	4,302	22,627	28,250	100.00%	80.09%
			001-2220-521-3400	OTHER CONTRACTUAL SERVICES	2,600	325	1,300	1,733	66.67%	50.00%
			001-2220-521-4000	TRAVEL & PER DIEM	16,000	-	9,132	12,176	76.10%	57.07%
			001-2220-521-4100	COMMUNICATIONS SERVICES	5,280	-	-	-	0.00%	0.00%
			001-2220-521-4400	RENTALS & LEASES	7,280	356	5,817	7,757	106.55%	79.91%
			001-2220-521-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	65,975	63	46,500	61,999	93.97%	70.48%
			001-2220-521-4650	VEHICLE MAINTENANCE	180,000	15,257	138,499	184,665	102.59%	76.94%
			001-2220-521-4700	PRINTING SERVICES	8,800	180	2,781	3,708	42.14%	31.61%
			001-2220-521-5100	OFFICE SUPPLIES	10,750	223	1,513	2,018	18.77%	14.08%
			001-2220-521-5200	OPERATING SUPPLIES	842,697	124,147	349,794	466,392	55.35%	41.51%
			001-2220-521-5250	FUEL AND GASOLINE	271,126	28,617	172,098	229,464	84.63%	63.48%
			001-2220-521-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	5,600	-	2,043	2,724	48.64%	36.48%
			001-2220-521-5500	TRAINING	40,150	2,564	30,376	40,502	100.88%	75.66%
			001-2220-521-6400	EQUIPMENT AND MACHINERY	3,179,057	339,794	2,331,678	3,108,904	97.79%	73.34%
		2220 POLICE FIELD SERVICES Total			**19,923,118**	**1,628,626**	**12,407,499**	**16,541,414**	**83.03%**	**62.28%**
		2230	001-2230-521-1200	REGULAR SALARIES AND WAGES	2,565,650	188,024	1,913,941	2,551,921	99.46%	74.60%
			001-2230-521-1210	LONGEVITY PAY	6,396	-	-	-	0.00%	0.00%
			001-2230-521-1225	PROFICIENCY PAY	22,999	2,115	20,505	27,340	118.87%	89.15%
			001-2230-521-1300	OTHER SALARIES AND WAGES	40,970	-	-	-	0.00%	0.00%
			001-2230-521-1400	OVERTIME PAY	295,854	14,124	169,182	225,576	76.25%	57.18%
			001-2230-521-1500	SPECIAL PAY	20,041	2,271	21,408	28,544	142.43%	106.82%
			001-2230-521-1600	OTHER REIMBURSED ALLOWANCES	21,660	638	6,166	8,221	37.95%	28.47%
			001-2230-521-2100	FICA TAXES - CITY MATCHING	229,390	15,183	156,441	208,587	90.93%	68.20%
			001-2230-521-2200	CITY RETIREMENT CONTRIBUTION	652,959	44,417	451,121	601,494	92.12%	69.09%
			001-2230-521-2300	LIFE AND HEALTH INSURANCE	541,181	65,313	338,786	451,715	83.47%	62.60%
			001-2230-521-2400	WORKER'S COMPENSATION	36,846	-	17,779	23,706	64.34%	48.25%
			001-2230-521-3100	PROFESSIONAL SERVICES	6,800	231	895	1,194	17.55%	13.17%
			001-2230-521-4000	TRAVEL & PER DIEM	7,400	-	4,234	5,645	76.29%	57.21%
			001-2230-521-4100	COMMUNICATIONS SERVICES	17,280	1,573	7,358	9,810	56.77%	42.58%
			001-2230-521-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	45,450	-	37,134	45,450	100.00%	81.70%
			001-2230-521-4650	VEHICLE MAINTENANCE	65,000	5,645	43,812	58,416	89.87%	67.40%
			001-2230-521-4700	PRINTING SERVICES	1,000	-	-	-	0.00%	0.00%
			001-2230-521-4902	LEGAL ADVERTISING	500	-	38	51	10.20%	7.65%
			001-2230-521-5100	OFFICE SUPPLIES	6,000	-	1,522	2,029	33.82%	25.36%
			001-2230-521-5200	OPERATING SUPPLIES	39,950	967	17,797	23,729	59.40%	44.55%
			001-2230-521-5250	FUEL AND GASOLINE	65,580	6,895	46,181	61,574	93.89%	70.42%
			001-2230-521-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,700	-	1,493	1,990	73.72%	55.29%
			001-2230-521-5500	TRAINING	20,460	-	10,645	14,193	69.37%	52.03%
			001-2230-521-6400	EQUIPMENT AND MACHINERY	613,346	120,977	286,984	382,646	62.39%	46.79%

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Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	2230	001-2230-521-6800	INTANGIBLE ASSETS	49,140	-	49,140	49,140	100.00%	100.00%
		2230 POLICE SUPPORT SERVICES Total			**5,374,552**	**468,373**	**3,602,561**	**4,782,972**	**88.99%**	**67.03%**
		2235	001-2235-521-1300	OTHER SALARIES AND WAGES	224,000	6,453	147,242	196,323	87.64%	65.73%
			001-2235-521-2100	FICA TAXES - CITY MATCHING	17,136	494	11,264	15,019	87.65%	65.73%
			001-2235-521-2400	WORKER'S COMPENSATION	11,524	-	8,834	11,778	102.21%	76.66%
			001-2235-521-5200	OPERATING SUPPLIES	4,400	-	1,494	1,992	45.28%	33.96%
		2235 CROSSING GUARDS PARK RANGERS Total			**257,060**	**6,946**	**168,835**	**225,113**	**87.57%**	**65.68%**
		2250	001-2250-519-1200	REGULAR SALARIES AND WAGES	1,839,288	99,807	950,069	1,266,759	68.87%	51.65%
			001-2250-519-1210	LONGEVITY PAY	3,607	-	-	-	0.00%	0.00%
			001-2250-519-1225	PROFICIENCY PAY	8,000	154	1,764	2,352	29.39%	22.05%
			001-2250-519-1300	OTHER SALARIES AND WAGES	39,866	-	-	-	0.00%	0.00%
			001-2250-519-1400	OVERTIME PAY	375,691	20,742	222,068	296,091	78.81%	59.11%
			001-2250-519-2100	FICA TAXES - CITY MATCHING	173,384	8,799	85,405	113,873	65.68%	49.26%
			001-2250-519-2200	CITY RETIREMENT CONTRIBUTION	332,864	19,305	180,511	240,682	72.31%	54.23%
			001-2250-519-2300	LIFE AND HEALTH INSURANCE	555,521	46,447	245,560	327,414	58.94%	44.20%
			001-2250-519-2400	WORKER'S COMPENSATION	946	-	725	967	102.25%	76.69%
			001-2250-519-3100	PROFESSIONAL SERVICES	9,750	-	450	600	6.15%	4.62%
			001-2250-519-3400	OTHER CONTRACTUAL SERVICES	66,500	36,088	57,408	76,544	115.10%	86.33%
			001-2250-519-4000	TRAVEL & PER DIEM	8,200	-	190	253	3.09%	2.32%
			001-2250-519-4100	COMMUNICATIONS SERVICES	10,500	-	3	4	0.04%	0.03%
			001-2250-519-4300	UTILITY SERVICES	41,000	2,307	18,600	27,900	68.05%	45.37%
			001-2250-519-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	9,300	-	7,500	10,000	107.53%	80.65%
			001-2250-519-5100	OFFICE SUPPLIES	7,000	199	1,323	1,764	25.20%	18.90%
			001-2250-519-5200	OPERATING SUPPLIES	16,100	1,079	3,844	5,125	31.84%	23.88%
			001-2250-519-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	3,800	-	252	336	8.84%	6.63%
			001-2250-519-5500	TRAINING	31,800	490	5,740	7,653	24.07%	18.05%
			001-2250-519-6300	INFRASTRUCTURE	3,200	-	3,200	3,200	100.00%	100.00%
			001-2250-519-6400	EQUIPMENT AND MACHINERY	6,840	-	-	-	0.00%	0.00%
		2250 DISPATCH Total			**3,543,157**	**235,417**	**1,784,613**	**2,381,517**	**67.21%**	**50.37%**
		2240	001-2240-521-1200	REGULAR SALARIES AND WAGES	2,287,137	163,376	1,195,147	1,593,530	69.67%	52.26%
			001-2240-521-1210	LONGEVITY PAY	6,774	-	-	-	0.00%	0.00%
			001-2240-521-1225	PROFICIENCY PAY	13,999	-	-	-	0.00%	0.00%
			001-2240-521-1400	OVERTIME PAY	40,726	495	17,663	23,551	57.83%	43.37%
			001-2240-521-1500	SPECIAL PAY	15,122	-	-	-	0.00%	0.00%
			001-2240-521-1600	OTHER REIMBURSED ALLOWANCES	480	-	-	-	0.00%	0.00%
			001-2240-521-2100	FICA TAXES - CITY MATCHING	180,864	11,859	87,696	116,928	64.65%	48.49%
			001-2240-521-2200	CITY RETIREMENT CONTRIBUTION	430,899	28,684	213,733	284,978	66.14%	49.60%
			001-2240-521-2300	LIFE AND HEALTH INSURANCE	453,636	60,845	262,691	350,254	77.21%	57.91%
			001-2240-521-2400	WORKER'S COMPENSATION	24,255	-	17,773	23,698	97.70%	73.28%
			001-2240-521-3100	PROFESSIONAL SERVICES	59,200	10	2,993	3,990	6.74%	5.06%
			001-2240-521-3400	OTHER CONTRACTUAL SERVICES	1,900	136	1,190	1,587	83.51%	62.63%
			001-2240-521-4000	TRAVEL & PER DIEM	2,000	-	-	-	0.00%	0.00%
			001-2240-521-4600	REPAIRS AND MAINTENANCE SERVICES	5,250	2,735	2,735	3,647	69.46%	52.10%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	2240	001-2240-521-4650	VEHICLE MAINTENANCE	20,000	925	13,129	17,506	87.53%	65.65%
			001-2240-521-4900	OTHER CURRENT CHARGES	50,000	-	-	-	0.00%	0.00%
			001-2240-521-4902	LEGAL ADVERTISING	500	-	-	-	0.00%	0.00%
			001-2240-521-5100	OFFICE SUPPLIES	1,000	-	264	352	35.22%	26.42%
			001-2240-521-5200	OPERATING SUPPLIES	184,902	1,413	2,973	3,964	2.14%	1.61%
			001-2240-521-5250	FUEL AND GASOLINE	16,500	538	998	1,331	8.06%	6.05%
			001-2240-521-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	900	-	895	900	100.00%	99.44%
			001-2240-521-5500	TRAINING	4,500	-	299	399	8.86%	6.64%
			001-2240-521-6400	EQUIPMENT & MACHINERY	214,805	10,850	87,681	116,908	54.43%	40.82%
		2240 CODE ENFORCEMENT & SRO OFFICER Total			**4,015,349**	**281,865**	**1,907,861**	**2,543,521**	**63.34%**	**47.51%**
		3310	001-3310-519-1200	REGULAR SALARIES AND WAGES	1,258,786	88,066	763,455	1,017,940	80.87%	60.65%
			001-3310-519-1210	LONGEVITY PAY	3,740	-	-	-	0.00%	0.00%
			001-3310-519-1400	OVERTIME PAY	53,107	1,231	13,461	17,947	33.80%	25.35%
			001-3310-519-1600	OTHER REIMBURSED ALLOWANCES	480	37	338	450	93.84%	70.38%
			001-3310-519-2100	FICA TAXES - CITY MATCHING	100,683	6,452	55,927	74,569	74.06%	55.55%
			001-3310-519-2200	CITY RETIREMENT CONTRIBUTION	213,446	15,231	130,156	173,541	81.30%	60.98%
			001-3310-519-2300	LIFE AND HEALTH INSURANCE	422,335	52,025	231,520	308,694	73.09%	54.82%
			001-3310-519-2400	WORKER'S COMPENSATION	37,334	-	5,544	7,393	19.80%	14.85%
			001-3310-519-3400	OTHER CONTRACTUAL SERVICES	3,000	-	-	-	0.00%	0.00%
			001-3310-519-4000	TRAVEL & PER DIEM	6,700	23	149	199	2.97%	2.23%
			001-3310-519-4200	FREIGHT & POSTAGE SERVICES	100	-	-	-	0.00%	0.00%
			001-3310-519-4300	UTILITY SERVICES	18,000	960	8,385	12,577	69.87%	46.58%
			001-3310-519-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	60,500	2,000	11,550	15,400	25.45%	19.09%
			001-3310-519-4650	VEHICLE MAINTENANCE	12,000	3,841	25,058	25,058	208.82%	208.82%
			001-3310-519-5100	OFFICE SUPPLIES	3,000	243	1,008	1,343	44.78%	33.59%
			001-3310-519-5200	OPERATING SUPPLIES	72,830	809	15,285	20,380	27.98%	20.99%
			001-3310-519-5250	FUEL AND GASOLINE	7,132	768	6,642	7,132	100.00%	93.13%
			001-3310-519-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,250	-	-	-	0.00%	0.00%
			001-3310-519-5500	TRAINING	7,000	-	649	865	12.36%	9.27%
		3310 FLEET MAINTENANCE Total			**2,281,423**	**171,687**	**1,269,127**	**1,683,489**	**73.79%**	**55.63%**
		3512	001-3512-539-1200	REGULAR SALARIES AND WAGES	96,986	7,497	67,153	89,537	92.32%	69.24%
			001-3512-539-1210	LONGEVITY PAY	349	-	-	-	0.00%	0.00%
			001-3512-539-1400	OVERTIME PAY	948	83	403	537	56.64%	42.48%
			001-3512-539-2100	FICA TAXES - CITY MATCHING	7,519	563	5,037	6,716	89.32%	66.99%
			001-3512-539-2200	CITY RETIREMENT CONTRIBUTION	16,105	1,292	11,331	15,108	93.81%	70.36%
			001-3512-539-2300	LIFE AND HEALTH INSURANCE	27,754	3,942	19,431	25,908	93.35%	70.01%
			001-3512-539-2400	WORKER'S COMPENSATION	3,023	-	2,317	3,089	102.19%	76.65%
			001-3512-539-3400	OTHER CONTRACTUAL SERVICES	15,000	1,900	15,000	15,000	100.00%	100.00%
			001-3512-539-4300	UTILITY SERVICES	2,000	199	2,269	3,404	170.21%	113.47%
			001-3512-539-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	11,000	-	-	-	0.00%	0.00%
			001-3512-539-4650	VEHICLE MAINTENANCE	4,000	92	1,089	1,452	36.30%	27.23%
			001-3512-539-5200	OPERATING SUPPLIES	9,650	107	5,454	7,272	75.36%	56.52%
			001-3512-539-5250	FUEL AND GASOLINE	3,833	527	3,157	3,833	100.00%	82.35%
			001-3512-539-6200	BUILDINGS	581,546	2,894	15,750	21,000	3.61%	2.71%
			001-3512-539-6300	INFRASTRUCTURE	93,889	-	-	-	0.00%	0.00%
		3512 CEMETERY Total			**873,603**	**19,097**	**148,391**	**192,857**	**22.08%**	**16.99%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure									
		3513	001-3513-572-4300	UTILITY SERVICES	-	3,870	21,061	31,592	0.00%	0.00%
		3513 GROUNDS MAINTENANCE Total			**-**	**3,870**	**21,061**	**31,592**	**0.00%**	**0.00%**
		3514	001-3514-572-1200	REGULAR SALARIES AND WAGES	955,649	71,850	658,296	877,728	91.85%	68.88%
			001-3514-572-1210	LONGEVITY PAY	2,943	-	-	-	0.00%	0.00%
			001-3514-572-1300	OTHER SALARIES AND WAGES	18,720	-	-	-	0.00%	0.00%
			001-3514-572-1400	OVERTIME PAY	50,309	2,435	27,099	36,132	71.82%	53.87%
			001-3514-572-1600	OTHER REIMBURSED ALLOWANCES	480	37	338	450	93.84%	70.38%
			001-3514-572-2100	FICA TAXES - CITY MATCHING	78,650	5,479	50,686	67,582	85.93%	64.45%
			001-3514-572-2200	CITY RETIREMENT CONTRIBUTION	165,018	12,170	112,485	149,980	90.89%	68.17%
			001-3514-572-2300	LIFE AND HEALTH INSURANCE	322,603	41,451	207,324	276,432	85.69%	64.27%
			001-3514-572-2400	WORKER'S COMPENSATION	10,214	-	7,829	10,439	102.20%	76.65%
			001-3514-572-3100	PROFESSIONAL SERVICES	70,000	-	-	-	0.00%	0.00%
			001-3514-572-3400	OTHER CONTRACTUAL SERVICES	835,165	15,029	434,611	579,482	69.39%	52.04%
			001-3514-572-4000	TRAVEL & PER DIEM	500	-	-	-	0.00%	0.00%
			001-3514-572-4200	FREIGHT & POSTAGE SERVICES	100	-	-	-	0.00%	0.00%
			001-3514-572-4300	UTILITY SERVICES	424,000	26,036	262,187	393,280	92.75%	61.84%
			001-3514-572-4400	RENTALS AND LEASES	5,000	-	1,111	1,481	29.63%	22.22%
			001-3514-572-4600	REPAIRS AND MAINTENANCE SERVICES	190,000	107,222	139,936	186,581	98.20%	73.65%
			001-3514-572-4650	VEHICLE MAINTENANCE	76,000	11,722	59,665	79,553	104.67%	78.51%
			001-3514-572-5200	OPERATING SUPPLIES	460,535	33,258	271,307	361,743	78.55%	58.91%
			001-3514-572-5216	TREE BANKS EXPENDITURE	500,000	-	149,300	199,067	39.81%	29.86%
			001-3514-572-5250	FUEL AND GASOLINE	42,656	7,855	31,846	42,461	99.54%	74.66%
			001-3514-572-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,925	-	571	762	39.57%	29.68%
			001-3514-572-5500	TRAINING	6,420	-	383	510	7.95%	5.96%
			001-3514-572-6200	BUILDINGS	538,679	-	-	-	0.00%	0.00%
			001-3514-572-6300	INFRASTRUCTURE	508,986	-	48,116	64,155	12.60%	9.45%
			001-3514-572-6400	EQUIPMENT & MACHINERY	150,098	-	16,915	22,553	15.03%	11.27%
		3514 RECREATION ATHLETIC COMPLEXES Total			**5,414,650**	**334,546**	**2,480,004**	**3,350,370**	**61.88%**	**45.80%**
		3612	001-3612-572-1200	REGULAR SALARIES AND WAGES	1,454,411	101,240	922,814	1,230,418	84.60%	63.45%
			001-3612-572-1210	LONGEVITY PAY	3,063	-	-	3,063	100.00%	0.00%
			001-3612-572-1300	OTHER SALARIES AND WAGES	730,780	58,235	304,248	405,664	55.51%	41.63%
			001-3612-572-1400	OVERTIME PAY	15,586	4,757	13,077	17,436	111.87%	83.90%
			001-3612-572-1600	OTHER REIMBURSED ALLOWANCES	2,400	185	1,689	2,252	93.84%	70.38%
			001-3612-572-2100	FICA TAXES - CITY MATCHING	168,777	12,300	92,619	123,491	73.17%	54.88%
			001-3612-572-2200	CITY RETIREMENT CONTRIBUTION	243,743	17,670	155,234	206,978	84.92%	63.69%
			001-3612-572-2300	LIFE AND HEALTH INSURANCE	456,401	45,588	224,427	299,236	65.56%	49.17%
			001-3612-572-2400	WORKER'S COMPENSATION	14,541	-	11,146	14,541	100.00%	76.65%
			001-3612-572-3400	OTHER CONTRACTUAL SERVICES	205,020	25,308	115,159	153,545	74.89%	56.17%
			001-3612-572-4000	TRAVEL & PER DIEM	1,500	-	-	-	0.00%	0.00%
			001-3612-572-4200	FREIGHT & POSTAGE SERVICES	400	-	22	30	7.40%	5.55%
			001-3612-572-4400	RENTALS AND LEASES	68,600	272	3,305	4,406	6.42%	4.82%
			001-3612-572-4600	REPAIRS & MAINT. - BLDG.& EQUIPMENT	7,750	123	2,253	3,004	38.76%	29.07%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	3612	001-3612-572-4650	VEHICLE MAINTENANCE	16,000	240	12,995	16,000	100.00%	81.22%
			001-3612-572-4700	PRINTING SERVICES	12,000	1,793	8,405	11,207	93.39%	70.04%
			001-3612-572-4800	PROMOTIONAL ADVERTISEMENT	39,800	1,450	8,507	11,343	28.50%	21.38%
			001-3612-572-5100	OFFICE SUPPLIES	7,500	1,625	2,657	3,542	47.23%	35.42%
			001-3612-572-5200	OPERATING SUPPLIES	296,080	7,215	129,226	172,301	58.19%	43.65%
			001-3612-572-5201	AMPHITHEATER EVENTS	329,000	20,501	145,551	194,068	58.99%	44.24%
			001-3612-572-5203	COMMUNITY EVENTS	262,500	12,470	101,936	135,915	51.78%	38.83%
			001-3612-572-5206	RECREATION SCHOLARSHIPS - ADVENT HEALTH	5,000	-	-	-	0.00%	0.00%
			001-3612-572-5250	FUEL AND GASOLINE	10,161	485	2,330	3,107	30.57%	22.93%
			001-3612-572-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,800	-	810	1,079	38.55%	28.92%
			001-3612-572-5500	TRAINING	9,400	-	387	516	5.49%	4.12%
			001-3612-572-6300	IMPROVEMENTS OTHER THAN BUILDINGS	564,766	-	336,485	448,646	79.44%	59.58%
			001-3612-572-6400	EQUIPMENT AND MACHINERY	16,887	-	13,485	16,887	100.00%	79.86%
		3612 RECREATION ATHLETICS Total			**4,944,865**	**311,458**	**2,608,765**	**3,478,677**	**70.35%**	**52.76%**
		3614	001-3614-572-1200	REGULAR SALARIES AND WAGES	89,107	49,263	129,118	129,118	144.90%	144.90%
			001-3614-572-1210	LONGEVITY PAY	113	-	-	-	0.00%	0.00%
			001-3614-572-1300	OTHER SALARIES AND WAGES	351,960	-	-	-	0.00%	0.00%
			001-3614-572-1400	OVERTIME PAY	14,063	2,019	3,656	4,875	34.66%	26.00%
			001-3614-572-2100	FICA TAXES - CITY MATCHING	34,826	3,915	10,088	13,451	38.62%	28.97%
			001-3614-572-2200	CITY RETIREMENT CONTRIBUTION	21,812	1,405	10,986	14,647	67.15%	50.36%
			001-3614-572-2300	LIFE AND HEALTH INSURANCE	27,754	4,282	23,746	31,661	114.08%	85.56%
			001-3614-572-2400	WORKER'S COMPENSATION	7,985	-	6,121	7,985	100.00%	76.65%
			001-3614-572-3100	PROFESSIONAL SERVICES	10,000	-	-	-	0.00%	0.00%
			001-3614-572-3400	OTHER CONTRACTUAL SERVICES	82,000	11,520	31,957	42,610	51.96%	38.97%
			001-3614-572-4000	TRAVEL & PER DIEM	100	-	-	-	0.00%	0.00%
			001-3614-572-4200	FREIGHT & POSTAGE SERVICES	50	-	-	-	0.00%	0.00%
			001-3614-572-4300	UTILITY SERVICES	48,000	4,045	28,195	42,293	88.11%	58.74%
			001-3614-572-4400	RENTALS AND LEASES	2,200	-	-	-	0.00%	0.00%
			001-3614-572-4600	REPAIR & MAINT.-BLDG. & EQUIP.	74,000	3,510	41,963	55,950	75.61%	56.71%
			001-3614-572-4650	VEHICLE MAINTENANCE	3,000	100	100	133	4.44%	3.33%
			001-3614-572-4700	PRINTING SERVICES	5,000	400	957	1,276	25.52%	19.14%
			001-3614-572-4800	PROMOTIONAL ADVERTISEMENT	3,500	73	510	679	19.41%	14.56%
			001-3614-572-5100	OFFICE SUPPLIES	1,500	-	642	857	57.10%	42.83%
			001-3614-572-5200	OPERATING SUPPLIES	116,600	4,093	32,135	42,847	36.75%	27.56%
			001-3614-572-5250	FUEL AND GASOLINE	3,300	-	-	-	0.00%	0.00%
			001-3614-572-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,085	-	-	-	0.00%	0.00%
			001-3614-572-5500	TRAINING	7,300	770	1,523	2,030	27.81%	20.86%
			001-3614-572-6200	BUILDINGS	75,000	-	-	-	0.00%	0.00%
			001-3614-572-6300	IMPROVEMENTS OTHER THAN BUILDINGS	143,922	-	79,609	106,145	73.75%	55.31%
			001-3614-572-6400	EQUIPMENT & MACHINERY	56,592	2,549	20,130	26,841	47.43%	35.57%
		3614 RECREATION - ACTIVITIES AND CIVIC EVENTS Total			**1,181,769**	**87,944**	**421,436**	**523,399**	**44.29%**	**35.66%**
		3613	001-3613-572-3400	OTHER CONTRACTUAL SERVICES				-	0.00%	0.00%
			001-3613-572-4650	VEHICLE MAINTENANCE	-	-	225	225	0.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	3613 RECREATION PROGRAMS & CIVIC EVENTS Total			-	-	225	225	0.00%	0.00%
		4020	001-4020-515-1200	REGULAR SALARIES AND WAGES	1,011,212	59,575	589,926	786,568	77.78%	58.34%
			001-4020-515-1210	LONGEVITY PAY	1,310	-	-	1,310	100.00%	0.00%
			001-4020-515-1400	OVERTIME PAY	1,056	-	1,951	1,951	184.75%	184.75%
			001-4020-515-2100	FICA TAXES - CITY MATCHING	77,539	4,259	42,565	56,753	73.19%	54.89%
			001-4020-515-2200	CITY RETIREMENT CONTRIBUTION	166,089	10,158	99,055	132,073	79.52%	59.64%
			001-4020-515-2300	LIFE AND HEALTH INSURANCE	253,456	24,710	129,575	172,766	68.16%	51.12%
			001-4020-515-2400	WORKER'S COMPENSATION	2,517	-	1,929	2,517	100.00%	76.64%
			001-4020-515-3400	OTHER CONTRACTUAL SERVICES	714,903	-	91,537	122,049	17.07%	12.80%
			001-4020-515-4000	TRAVEL & PER DIEM	6,200	-	539	719	11.59%	8.70%
			001-4020-515-4100	COMMUNICATIONS SERVICES	4,450	-	-	-	0.00%	0.00%
			001-4020-515-4200	FREIGHT & POSTAGE SERVICES	7,000	3	127	169	2.42%	1.81%
			001-4020-515-4400	RENTALS AND LEASES	500	-	-	-	0.00%	0.00%
			001-4020-515-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	1,600	-	-	-	0.00%	0.00%
			001-4020-515-4650	VEHICLE MAINTENANCE	1,500	-	660	880	58.69%	44.02%
			001-4020-515-4700	PRINTING SERVICES	3,350	-	926	1,234	36.85%	27.64%
			001-4020-515-4902	LEGAL ADVERTISING	45,000	767	11,226	14,968	33.26%	24.95%
			001-4020-515-5100	OFFICE SUPPLIES	10,000	147	1,282	1,709	17.09%	12.82%
			001-4020-515-5200	OPERATING SUPPLIES	5,700	-	-	-	0.00%	0.00%
			001-4020-515-5250	FUEL AND GASOLINE	220	275	1,275	1,275	579.37%	579.37%
			001-4020-515-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	23,645	20	1,959	2,611	11.04%	8.28%
			001-4020-515-5500	TRAINING	6,740	50	1,090	1,454	21.57%	16.17%
			001-4020-515-6400	EQUIPMENT AND MACHINERY	33,000	-	28,482	33,000	100.00%	86.31%
			001-4020-515-6800	INTANGIBLE ASSETS	35,001	-	-	-	0.00%	0.00%
		4020 COMMUNITY DEVELOPMENT Total			2,411,988	99,963	1,004,103	1,334,008	55.31%	41.63%
		4021	001-4021-524-1200	REGULAR SALARIES AND WAGES	797,804	56,395	506,777	675,703	84.70%	63.52%
			001-4021-524-1210	LONGEVITY PAY	1,749	-	-	1,749	100.00%	0.00%
			001-4021-524-1400	OVERTIME PAY	2,449	124	694	925	37.78%	28.34%
			001-4021-524-2100	FICA TAXES - CITY MATCHING	61,353	4,151	37,265	49,686	80.98%	60.74%
			001-4021-524-2200	CITY RETIREMENT CONTRIBUTION	123,240	9,309	77,319	103,092	83.65%	62.74%
			001-4021-524-2300	LIFE AND HEALTH INSURANCE	181,044	24,674	115,332	153,776	84.94%	63.70%
			001-4021-524-2400	WORKERS' COMPENSATION	5,988	-	5,425	5,988	100.00%	90.59%
			001-4021-524-4000	TRAVEL AND PER DIEM	4,250	-	-	-	0.00%	0.00%
			001-4021-524-4200	FREIGHT & POSTAGE SERVICES	100	10	88	100	100.00%	88.36%
			001-4021-524-4400	RENTALS AND LEASES	200	-	-	-	0.00%	0.00%
			001-4021-524-4600	REPAIR & MAINT.-BLDG & EQUIP	2,000	-	-	-	0.00%	0.00%
			001-4021-524-4650	VEHICLE MAINTENANCE	7,000	269	4,309	5,746	82.08%	61.56%
			001-4021-524-5100	OFFICE SUPPLIES	2,500	200	1,260	1,681	67.22%	50.42%
			001-4021-524-5200	OPERATING SUPPLIES	2,220	493	572	763	34.38%	25.79%
			001-4021-524-5250	FUEL AND GASOLINE	5,123	649	4,085	5,123	100.00%	79.74%
			001-4021-524-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	2,905	-	1,869	2,492	85.77%	64.33%
			001-4021-524-5500	TRAINING	4,595	178	729	972	21.15%	15.87%
			001-4021-524-6400	MACHINERY AND EQUIPMENT	75,990	-	-	-	0.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	Expenditure	**4021 BUILDING INSPECTIONS Total**			**1,280,510**	**96,452**	**755,725**	**1,007,796**	**78.70%**	**59.02%**
		4022	001-4022-515-1200	REGULAR SALARIES AND WAGES	155,137	20,568	142,066	189,421	122.10%	91.57%
			001-4022-515-1210	LONGEVITY PAY	24	-	-	24	100.00%	0.00%
			001-4022-515-1600	OTHER REIMBURSED ALLOWANCES	12,672	-	-	-	0.00%	0.00%
			001-4022-515-2100	FICA TAXES - CITY MATCHING	480	1,473	10,064	13,418	2795.48%	2096.61%
			001-4022-515-2200	CITY RETIREMENT CONTRIBU	27,289	3,507	23,910	31,880	116.82%	87.62%
			001-4022-515-2300	LIFE AND HEALTH INSURANCE	29,982	8,688	28,766	38,355	127.93%	95.95%
			001-4022-515-2400	WORKER'S COMPENSATION	55	-	42	56	101.60%	76.20%
			001-4022-515-3100	PROFESSIONAL SERVICES	55,146	8,956	39,556	52,741	95.64%	71.73%
			001-4022-515-3400	OTHER CONTRACTUAL SERVICES	83,000	-	45,000	60,000	72.29%	54.22%
			001-4022-515-4000	TRAVEL & PER DIEM	8,500	51	4,007	5,343	62.85%	47.14%
			001-4022-515-4200	FREIGHT & POSTAGE SERVICES	-	1	16	21	0.00%	0.00%
			001-4022-515-5200	OPERATING SUPPLIES	7,051	365	1,168	1,558	22.09%	16.57%
			001-4022-515-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	14,500	1,550	14,014	14,500	100.00%	96.64%
			001-4022-515-5500	TRAINING	6,025	-	2,204	2,939	48.77%	36.58%
			001-4022-515-6400	MACHINERY AND EQUIPMENT	5,000	-	3,982	5,309	106.19%	79.64%
		4022 ECONOMIC DEVELOPMENT Total			**404,861**	**45,159**	**314,794**	**415,565**	**102.64%**	**77.75%**
		5110	001-5110-519-1200	REGULAR SALARIES AND WAGES	1,052,188	90,123	714,041	952,055	90.48%	67.86%
			001-5110-519-1210	LONGEVITY PAY	1,753	-	-	1,753	100.00%	0.00%
			001-5110-519-1400	OVERTIME PAY	3,854	409	3,401	4,534	117.64%	88.23%
			001-5110-519-1600	OTHER REIMBURSED ALLOWANCES	5,280	37	338	450	8.53%	6.40%
			001-5110-519-2100	FICA TAXES - CITY MATCHING	80,195	6,547	51,343	68,458	85.36%	64.02%
			001-5110-519-2200	CITY RETIREMENT CONTRIBUTION	174,200	15,448	120,524	160,698	92.25%	69.19%
			001-5110-519-2300	LIFE AND HEALTH INSURANCE	219,707	32,441	147,107	196,143	89.27%	66.96%
			001-5110-519-2400	WORKERS' COMPENSATION	368	-	282	368	100.00%	76.66%
			001-5110-519-3100	PROFESSIONAL SERVICES	30,000	-	-	-	0.00%	0.00%
			001-5110-519-3400	OTHER CONTRACTUAL SERVICES	552,800	185,546	481,348	552,800	100.00%	87.07%
			001-5110-519-4100	COMMUNICATIONS SERVICES	499,580	21,758	386,431	499,580	100.00%	77.35%
			001-5110-519-4102	COMMUNICATIONS INTERNET	-	-	(31)	(41)	0.00%	0.00%
			001-5110-519-4200	FREIGHT & POSTAGE SERVICES	200	-	50	67	33.33%	25.00%
			001-5110-519-4600	REPAIR & MAINT.-BLDG & EQUIP	2,140,274	123,864	1,725,656	2,140,274	100.00%	80.63%
			001-5110-519-4650	VEHICLE MAINTENANCE	1,500	-	-	-	0.00%	0.00%
			001-5110-519-5100	OFFICE SUPPLIES	2,500	546	1,269	1,692	67.69%	50.77%
			001-5110-519-5200	OPERATING SUPPLIES	71,781	9,803	36,642	48,856	68.06%	51.05%
			001-5110-519-5250	FUEL AND GASOLINE	289	30	227	302	104.50%	78.38%
			001-5110-519-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,000	-	300	400	40.00%	30.00%
			001-5110-519-5500	TRAINING	6,000	-	791	1,054	17.57%	13.18%
			001-5110-519-6300	INFRASTRUCTURE	106,383	-	17,594	23,458	22.05%	16.54%
			001-5110-519-6400	MACHINERY AND EQUIPMENT	815,304	10,032	588,850	785,133	96.30%	72.22%
			001-5110-519-6800	INTANGIBLE ASSETS	109,511	46,900	60,807	81,076	74.03%	55.53%
		5110 INFORMATION TECHNOLOGY Total			**5,874,667**	**543,484**	**4,336,969**	**5,519,112**	**93.95%**	**73.82%**
		9011	001-9011-581-9111	TRANSFER TO STREETS IMPROV. FUND	6,869,848	632,783	4,971,499	6,869,848	100.00%	72.37%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
001	**Expenditure**	**9011**	001-9011-581-9120	TRANSFER TO STORMWATER FUND	4,534	567	2,834	4,534	100.00%	62.50%
			001-9011-581-9142	TRANSFER TO SANITATION FUND	20,002	2,500	12,501	20,002	100.00%	62.50%
			001-9011-590-7189	MOTOROLA - TOWER LEASE	591,494	-	591,494	591,494	100.00%	100.00%
			001-9011-590-7200	DEBT SERVICE - INTEREST & OTHER	569,372	-	-	-	0.00%	0.00%
			001-9011-590-7289	MOTOROLA - TOWER LEASE (INTEREST)	11,076	-	11,076	11,076	100.00%	100.00%
			001-9011-590-7293	ZION BANK - 2018 INTEREST				-	0.00%	0.00%
		9011 TRANSFERS Total			**8,066,326**	**635,850**	**5,589,404**	**7,496,954**	**92.94%**	**69.29%**
		9999	001-9999-999-4650	NON-INVENTORY PARTS REPAIR	-	-	357	357	0.00%	0.00%
		9999 Inventory Total			**-**	**-**	**357**	**357**	**0.00%**	**0.00%**
	Expenditure Total				**123,362,149**	**8,306,011**	**68,249,495**	**90,910,465**	**73.69%**	**55.32%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
101	**Revenue**				9,391,292	988,135	6,642,104	9,237,190	98.36%	70.73%
	Revenue Total				**9,391,292**	**988,135**	**6,642,104**	**9,237,190**	**98.36%**	**70.73%**
	Expenditure	**3412**	101-3412-541-1200	REGULAR SALARIES AND WAGES	679,369	49,820	441,294	588,392	86.61%	64.96%
			101-3412-541-1210	LONGEVITY PAY	1,369	-	-	-	0.00%	0.00%
			101-3412-541-1400	OVERTIME PAY	78,867	5,267	37,011	49,348	62.57%	46.93%
			101-3412-541-1600	OTHER REIMBURSED ALLOWANCES	480	37	338	450	93.84%	70.38%
			101-3412-541-2100	FICA TAXES - CITY MATCHING	58,146	3,846	33,429	44,572	76.66%	57.49%
			101-3412-541-2200	CITY RETIREMENT CONTRIBUTION	124,551	9,399	80,251	107,001	85.91%	64.43%
			101-3412-541-2300	LIFE AND HEALTH INSURANCE	250,130	37,608	177,318	236,425	94.52%	70.89%
			101-3412-541-2400	WORKER'S COMPENSATION	11,832	-	9,070	12,093	102.21%	76.66%
			101-3412-541-3100	PROFESSIONAL SERVICES	10,000	-	-	-	0.00%	0.00%
			101-3412-541-3400	OTHER CONTRACTUAL SERVICES	780,862	-	371,410	495,213	63.42%	47.56%
			101-3412-541-4000	TRAVEL & PER DIEM	2,000	7	87	116	5.78%	4.34%
			101-3412-541-4200	FREIGHT & POSTAGE SERVICES	300	-	-	-	0.00%	0.00%
			101-3412-541-4300	UTILITY SERVICES	55,000	4,446	33,513	50,269	91.40%	60.93%
			101-3412-541-4310	UTILITY SERVICES - STREET LIGHTS	1,803,527	124,949	1,015,557	1,523,335	84.46%	56.31%
			101-3412-541-4311	FDOT STREET LIGHTS	74,000	-	58,900	88,350	119.39%	79.59%
			101-3412-541-4400	RENTAL AND LEASES	71,865	2,771	28,146	37,527	52.22%	39.16%
			101-3412-541-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	1,209,914	8,826	598,920	798,560	66.00%	49.50%
			101-3412-541-4609	FDOT SIGNALS & EQUIPMENT	64,000	15,672	15,672	20,896	32.65%	24.49%
			101-3412-541-4612	STREET STRIPPING	100,000	-	36,223	48,297	48.30%	36.22%
			101-3412-541-4650	VEHICLE MAINTENANCE	103,300	1,285	38,303	51,071	49.44%	37.08%
			101-3412-541-4700	PRINTING SERVICES	5,000	-	1,100	1,467	29.33%	22.00%
			101-3412-541-4900	OTHER CURRENT CHARGES	39,450	-	24,515	32,687	82.86%	62.14%
			101-3412-541-4903	TEMPORARY LABOR	11,600	-	7,885	10,513	90.63%	67.97%
			101-3412-541-5100	OFFICE SUPPLIES	1,500	-	-	-	0.00%	0.00%
			101-3412-541-5200	OPERATING SUPPLIES	98,010	4,444	65,207	86,943	88.71%	66.53%
			101-3412-541-5203	SIDEWALK/CURB REPAIRS	952,549	31,023	926,965	952,549	100.00%	97.31%
			101-3412-541-5204	STREET/STOP SIGN REPLACEMENT PRG	115,483	850	98,069	130,758	113.23%	84.92%
			101-3412-541-5250	FUEL AND GASOLINE	36,479	3,146	19,498	33,425	91.63%	53.45%
			101-3412-541-5300	ROAD MATERIALS & SUPPLIES	66,000	3,214	39,042	66,929	101.41%	59.15%
			101-3412-541-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,700	-	744	1,275	75.03%	43.76%
			101-3412-541-5500	TRAINING	8,300	-	3,475	5,957	71.77%	41.87%
			101-3412-541-6303	ROADWAY RESURFACING	2,190,909	-	2,073,370	2,190,909	100.00%	94.64%
			101-3412-541-6307	SPEED HUMPS PROGRAM	18,451	-	5,000	6,667	36.13%	27.10%
			101-3412-541-6400	EQUIPMENT AND MACHINERY	366,350	-	137,501	183,334	50.04%	37.53%
		3412 STREET MAINTENANCE Total			**9,391,292**	**306,611**	**6,377,810**	**7,855,328**	**83.64%**	**67.91%**
		3414	101-3414-541-5200	OPERATING SUPPLIES	-	-	45	60	0.00%	0.00%
			101-3414-541-5250	FUEL AND GASOLINE	-	115	230	306	0.00%	0.00%
		3414 STREET IMPROVEMENTS Total			**-**	**115**	**275**	**366**	**0.00%**	**0.00%**
	Expenditure Total				**9,391,292**	**306,726**	**6,378,085**	**7,855,694**	**83.65%**	**67.91%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
102	Revenue				38,641,905	488,694	6,298,579	8,398,106	21.73%	16.30%
	Revenue Total				38,641,905	488,694	6,298,579	8,398,106	21.73%	16.30%
	Expenditure	3413	102-3413-541-3100	PROFESSIONAL SERVICES	803,725	32,775	91,333	121,777	15.15%	11.36%
			102-3413-541-3112	TRAFFIC COUNTS	200,000	92,252	106,408	141,877	70.94%	53.20%
			102-3413-541-6100	LAND	816,346	-	541,356	541,356	66.31%	66.31%
			102-3413-541-6300	IMPROVEMENTS OTHER THAN BLDGS.	36,753,535	470,115	2,218,890	5,513,030	15.00%	6.04%
			102-3413-581-9101	TRANSFER TO GENERAL FUND	68,300	5,692	51,225	68,300	100.00%	75.00%
		3413 TRANSPORTATION IMPACT FEES Total			**38,641,905**	**600,833**	**3,009,212**	**6,386,340**	**16.53%**	**7.79%**
	Expenditure Total				38,641,905	600,833	3,009,212	6,386,340	16.53%	7.79%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
103	Revenue				135,000	2,945	94,140	96,512	71.49%	69.73%
	Revenue Total				135,000	2,945	94,140	96,512	71.49%	69.73%
	Expenditure	2291	103-2291-521-5200	FED FORFEIT OP SUPPLIES NEW	85,000	-	1,923	2,564	3.02%	2.26%
			103-2291-521-6400	FED FORFEIT EQUIP NEW	50,000	-	-	-	0.00%	0.00%
		2291 LAW ENFORCEMENT TRUST-FEDERAL Total			135,000	-	1,923	2,564	1.90%	1.42%
	Expenditure Total				135,000	-	1,923	2,564	1.90%	1.42%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
104	**Revenue**				7,986,826	296,416	1,313,740	1,751,653	21.93%	16.45%
	Revenue Total				**7,986,826**	**296,416**	**1,313,740**	**1,751,653**	**21.93%**	**16.45%**
	Expenditure	**3614**	104-3614-572-6100	LAND	500,000	-	2,750	3,667	0.73%	0.55%
			104-3614-572-6300	IMPROVEMENTS OTHER THAN BLDGS.	7,486,826	395,138	553,032	737,376	9.85%	7.39%
		3614 RECREATION - ACTIVITIES AND CIVIC EVENTS Total			**7,986,826**	**395,138**	**555,782**	**741,043**	**9.28%**	**6.96%**
	Expenditure Total				**7,986,826**	**395,138**	**555,782**	**741,043**	**9.28%**	**6.96%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
105	**Revenue**				100,000	2,492	7,689	10,252	10.25%	7.69%
	Revenue Total				**100,000**	**2,492**	**7,689**	**10,252**	**10.25%**	**7.69%**
	Expenditure	**2290**	105-2290-521-5200	OPERATING SUPPLIES	50,000	-	5,500	7,333	14.67%	11.00%
			105-2290-521-6400	EQUIPMENT AND MACHINERY	50,000	-	-	-	0.00%	0.00%
		2290 LAW ENFORCEMENT TRUST-STATE Total			**100,000**	**-**	**5,500**	**7,333**	**7.33%**	**5.50%**
	Expenditure Total				**100,000**	**-**	**5,500**	**7,333**	**7.33%**	**5.50%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
106	**Revenue**				125,000	7,815	70,962	83,717	66.97%	56.77%
	Revenue Total				**125,000**	**7,815**	**70,962**	**83,717**	**66.97%**	**56.77%**
	Expenditure	**2220**	106-2220-521-5203	OP SUPPLIES - DONATIONS	100,000	2,022	42,501	56,668	56.67%	42.50%
			106-2220-521-6400	EQUIPMENT AND MACHINERY - K9 Program	25,000	-	23,000	30,667	122.67%	92.00%
			106-2220-521-6402	EQUIPMENT & MACHINERY - TOWING FORENSICS				-	0.00%	0.00%
		2220 POLICE FIELD SERVICES Total			**125,000**	**2,022**	**65,501**	**87,335**	**69.87%**	**52.40%**
	Expenditure Total				**125,000**	**2,022**	**65,501**	**87,335**	**69.87%**	**52.40%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
110	**Revenue**				7,348,881	235,638	1,170,618	1,560,824	21.24%	15.93%
	Revenue Total				**7,348,881**	**235,638**	**1,170,618**	**1,560,824**	**21.24%**	**15.93%**
	Expenditure	**2110**	110-2110-522-5200	OPERATING EXPENSES	9,869	-	-	-	0.00%	0.00%
			110-2110-522-6200	INFRASTRUCTURE BUILDING	5,320,889	-	-	-	0.00%	0.00%
			110-2110-522-6300	IMPROVEMENTS OTHER THAN BUILDINGS	2,013,123	-	-	-	0.00%	0.00%
			110-2110-581-9101	TRANSFER TO GENERAL FUND	5,000	417	3,750	5,000	100.00%	75.00%
		2110 FIRE CHIEF Total			**7,348,881**	**417**	**3,750**	**5,000**	**0.07%**	**0.05%**
	Expenditure Total				**7,348,881**	**417**	**3,750**	**5,000**	**0.07%**	**0.05%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
115	**Revenue**				7,299,150	245,001	1,244,363	2,700,233	36.99%	17.05%
	Revenue Total				**7,299,150**	**245,001**	**1,244,363**	**2,700,233**	**36.99%**	**17.05%**
	Expenditure	**2210**	115-2210-521-6200	INFRASTRUCTURE - BUILDING	5,155,247	-	-	-	0.00%	0.00%
			115-2210-521-6300	IMPROVEMENTS OTHER THAN BUILDINGS	2,138,903	-	-	534,726	25.00%	0.00%
			115-2210-581-9101	TRANSFER TO GENERAL FUND	5,000	417	3,750	6,429	128.57%	75.00%
		2210 POLICE CHIEF Total			**7,299,150**	**417**	**3,750**	**541,154**	**7.41%**	**0.05%**
	Expenditure Total				**7,299,150**	**417**	**3,750**	**541,154**	**7.41%**	**0.05%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
120	**Revenue**				2,889,659	110,276	2,543,640	2,796,301	96.77%	88.03%
	Revenue Total				**2,889,659**	**110,276**	**2,543,640**	**2,796,301**	**96.77%**	**88.03%**
	Expenditure	**3151**	120-3151-538-1200	REGULAR SALARIES AND WAGES	337,603	25,069	189,868	253,157	74.99%	56.24%
			120-3151-538-1210	LONGEVITY PAY	1,979	-	-	-	0.00%	0.00%
			120-3151-538-1400	OVERTIME PAY	9,428	245	1,530	2,040	21.63%	16.23%
			120-3151-538-2100	FICA TAXES - CITY MATCHING	28,994	1,884	14,275	19,033	65.65%	49.23%
			120-3151-538-2200	CITY RETIREMENT CONTRIBUTION	62,106	4,278	31,913	42,551	68.51%	51.39%
			120-3151-538-2300	LIFE AND HEALTH INSURANCE	131,578	12,233	50,584	67,445	51.26%	38.44%
			120-3151-538-2400	WORKER'S COMPENSATION	4,458	-	3,417	4,556	102.20%	76.65%
			120-3151-538-3100	PROFESSIONAL SERVICES	71,350	-	-	-	0.00%	0.00%
			120-3151-538-3400	OTHER CONTRACTUAL SERVICES	545,476	8,046	409,037	545,383	99.98%	74.99%
			120-3151-538-4000	TRAVEL & PER DIEM	250	-	-	-	0.00%	0.00%
			120-3151-538-4100	COMMUNICATIONS SERVICES	720	-	-	-	0.00%	0.00%
			120-3151-538-4300	UTILITY SERVICES	40,000	3,362	26,824	40,236	100.59%	67.06%
			120-3151-538-4400	RENTALS AND LEASES	10,000	-	-	-	0.00%	0.00%
			120-3151-538-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	522,553	107,059	334,232	445,642	85.28%	63.96%
			120-3151-538-4650	VEHICLE MAINTENANCE	63,875	5,474	24,708	32,944	51.58%	38.68%
			120-3151-538-4700	PRINTING SERVICES	3,000	-	2,780	3,706	123.54%	92.66%
			120-3151-538-4900	OTHER CURRENT CHARGES	43,000	4,832	16,160	21,547	50.11%	37.58%
			120-3151-538-5100	OFFICE SUPPLIES	2,000	144	700	933	46.64%	34.98%
			120-3151-538-5200	OPERATING SUPPLIES	51,150	2,605	16,250	21,667	42.36%	31.77%
			120-3151-538-5250	FUEL AND GASOLINE	19,326	2,132	13,144	17,525	90.68%	68.01%
			120-3151-538-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,500	-	220	293	19.56%	14.67%
			120-3151-538-5500	TRAINING	5,680	-	637	849	14.95%	11.21%
			120-3151-538-6300	IMPROVEMENTS OTHER THAN BLDGS.	140,131	-	113,263	140,131	100.00%	80.83%
			120-3151-538-6400	EQUIPMENT AND MACHINERY	358,880	7,118	127,604	170,139	47.41%	35.56%
			120-3151-538-9300	CONTINGENCY	372,817	-	-	372,817	100.00%	0.00%
			120-3151-581-9101	TRANSFER TO GENERAL FUND	61,805	5,150	46,354	61,805	100.00%	75.00%
		3151 STORMWATER Total			**2,889,659**	**189,632**	**1,423,499**	**2,264,399**	**78.36%**	**49.26%**
	Expenditure Total				**2,889,659**	**189,632**	**1,423,499**	**2,264,399**	**78.36%**	**49.26%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
130	Revenue				-	5,061	56,161	56,515	0.00%	0.00%
	Revenue Total				-	5,061	56,161	56,515	0.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
150	Revenue				8,919,267	7,715	148,635	1,160,237	13.01%	1.67%
	Revenue Total				**8,919,267**	**7,715**	**148,635**	**1,160,237**	**13.01%**	**1.67%**
	Expenditure	1022	150-1022-519-6300	CORONA SLRF:CITYWIDE LED LIGHTING CONVER	98,845	-	25,728	25,728	26.03%	26.03%
			150-1022-519-6301	CORONA SLRF:FRAN CARLTON RESTORATION	4,652	-	-	-	0.00%	0.00%
			150-1022-519-6302	CORONA SLRF:CITY HALL GROUNDING AND LIGH	32,642	-	13,656	13,656	41.84%	41.84%
		1022 FACILITIES MAINTENANCE Total			**136,139**	**-**	**39,384**	**39,384**	**28.93%**	**28.93%**
		1120	150-1120-513-3400	CONTRACTUAL SERVICES	533,549	600	479,645	479,645	89.90%	89.90%
			150-1120-513-5294	EXPENSES - HURRICANE MILTON	772,057	-	-	-	0.00%	0.00%
			150-1120-513-5295	Debris Expenses - Hurricane Milton	212,204	-	-	-	0.00%	0.00%
		1120 FINANCE Total			**1,517,809**	**600**	**479,645**	**479,645**	**31.60%**	**31.60%**
		3512	150-3512-572-6300	CORONAVIRUS STATE-LOC RECOV CEMETERY PAV	64,909	-	-	-	0.00%	0.00%
		3512 CEMETERY Total			**64,909**	**-**	**-**	**-**	**0.00%**	**0.00%**
		3514	150-3514-572-6200	RECREATION ATHL PARKS AND RECRE	1,047,573	-	-	261,893	25.00%	0.00%
			150-3514-572-6300	IMPROVEMENTS - Orange Cty NWRC TDT GRANT	3,432,001	94,703	231,660	858,000	25.00%	6.75%
		3514 RECREATION ATHLETIC COMPLEXES Total			**4,479,574**	**94,703**	**231,660**	**1,119,893**	**25.00%**	**5.17%**
		3614	150-3614-572-6300	CORONAVIRUS STATE - LOCAL RECOVERY FUNDS	44,262	-	-	-	0.00%	0.00%
		3614 RECREATION - ACTIVITIES AND CIVIC EVENTS Total			**44,262**	**-**	**-**	**-**	**0.00%**	**0.00%**
		3613	150-3613-572-6305	LAND AND WATER CONSERVATION GRANT	79,754	-	-	-	0.00%	0.00%
		3613 RECREATION PROGRAMS & CIVIC EVENTS Total			**79,754**	**-**	**-**	**-**	**0.00%**	**0.00%**
		3412	150-3412-541-6306	CDBG-SIDEWALKS PHASE I & CURB NEW CONSTR	88,075	-	-	-	0.00%	0.00%
			150-3412-581-9111	TRANSFER TO STREETS IMPROVEMENT FUND	-	-	-	-	0.00%	0.00%
		3412 STREET MAINTENANCE Total			**88,075**	**-**	**-**	**-**	**0.00%**	**0.00%**
		3141	150-3141-543-6300	IMPROVEMENTS-Apk Aquifer Recharge&Floo	2,500,000	-	-	-	0.00%	0.00%
		3141 WATER MAINTENANCE Total			**2,500,000**	**-**	**-**	**-**	**0.00%**	**0.00%**
		3410	150-3410-554-3400	LAND DEVELOPMENT GRANT (CDBG)	8,744	-	-	-	0.00%	0.00%
		3410 DESIGN ENGINEERING Total			**8,744**	**-**	**-**	**-**	**0.00%**	**0.00%**
	Expenditure Total				**8,919,267**	**95,303**	**750,689**	**1,638,923**	**18.38%**	**8.42%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
171	**Revenue**				42,000	1,636	29,556	31,955	76.08%	70.37%
	Revenue Total				**42,000**	**1,636**	**29,556**	**31,955**	**76.08%**	**70.37%**
	Expenditure	**6170**	171-6170-581-9101	TRANSFER TO GENERAL FUND				-	0.00%	0.00%
		6170 SPECIAL ASSESSMENT - CIMARRON HILLS Total						**-**	**0.00%**	**0.00%**
		6171	171-6171-539-4600	REPAIRS & MAINTENANCE SVCS	19,680	19	116	155	0.79%	0.59%
			171-6171-539-9300	CONTINGENCY	6,720	-	-	-	0.00%	0.00%
			171-6171-581-9101	TRANSFER TO GEN FUND MAINLINE VILLAGE	15,600	1,300	11,700	15,600	100.00%	75.00%
		6171 SPECIAL ASSESSMENT - MAINLINE VILLAGE Total			**42,000**	**1,319**	**11,816**	**15,755**	**37.51%**	**28.13%**
	Expenditure Total				**42,000**	**1,319**	**11,816**	**15,755**	**37.51%**	**28.13%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
172	Revenue				46,005	866	18,141	24,188	52.58%	39.43%
	Revenue Total				46,005	866	18,141	24,188	52.58%	39.43%
	Expenditure	6170	172-6170-581-9101	TRANSFER TO GENERAL FUND				-	0.00%	0.00%
		6170 SPECIAL ASSESSMENT - CIMARRON HILLS Total						-	0.00%	0.00%
		6172	172-6172-539-4600	REPAIRS & MAINTENANCE SVCS	33,980	48	291	388	1.14%	0.86%
			172-6172-581-9101	TRANSFER TO GEN FUND MAIN AVE	12,025	1,002	9,019	12,025	100.00%	75.00%
		6172 SPECIAL ASSESSMENT - MAINE AVE VILLAS Total			46,005	1,051	9,309	12,413	26.98%	20.24%
	Expenditure Total				46,005	1,051	9,309	12,413	26.98%	20.24%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
173	**Revenue**				23,500	547	10,087	13,449	57.23%	42.92%
	Revenue Total				**23,500**	**547**	**10,087**	**13,449**	**57.23%**	**42.92%**
	Expenditure	**6170**	173-6170-539-4600	REPAIRS & MAINTENANCE SVCS	23,050	292	940	1,253	5.44%	4.08%
			173-6170-581-9101	TRANSFER TO GENERAL FUND CIMARRON	450	38	338	450	100.00%	75.00%
		6170 SPECIAL ASSESSMENT - CIMARRON HILLS Total			**23,500**	**329**	**1,277**	**1,703**	**7.25%**	**5.44%**
	Expenditure Total				**23,500**	**329**	**1,277**	**1,703**	**7.25%**	**5.44%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
174	Revenue				8,373	289	7,322	9,762	116.59%	87.44%
	Revenue Total				8,373	289	7,322	9,762	116.59%	87.44%
	Expenditure	6174	174-6174-581-9120	TRANSFER TO STORMWATER	8,373	698	6,280	8,373	100.00%	75.00%
		6174 SPECIAL ASSESSMENT - MARTIN PL POND P2 Total			8,373	698	6,280	8,373	100.00%	75.00%
	Expenditure Total				8,373	698	6,280	8,373	100.00%	75.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
175	**Revenue**				9,404	758	8,015	10,686	113.63%	85.22%
	Revenue Total				**9,404**	**758**	**8,015**	**10,686**	**113.63%**	**85.22%**
	Expenditure	**6175**	175-6175-539-4600	REPAIRS & MAINTENANCE SVCS	3,500	29	174	233	6.64%	4.98%
			175-6175-539-9300	CONTINGENCY	5,500	-	-	-	0.00%	0.00%
			175-6175-581-9101	TRANSFER TO GENERAL FUND LOVELL TERRACE	404	34	303	404	100.01%	75.01%
		6175 SPECIAL ASSESSMENT - LOVELL TERRACE Total			**9,404**	**63**	**477**	**637**	**6.77%**	**5.08%**
	Expenditure Total				**9,404**	**63**	**477**	**637**	**6.77%**	**5.08%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
176	**Revenue**				17,180	-	12,781	14,042	81.73%	74.39%
	Revenue Total				**17,180**	**-**	**12,781**	**14,042**	**81.73%**	**74.39%**
	Expenditure	**6176**	176-6176-539-4600	REPAIRS & MAINTENANCE SVCS	1,680	15	92	123	7.33%	5.50%
			176-6176-539-9300	CONTINGENCY	3,000	-	-	-	0.00%	0.00%
			176-6176-581-9101	TRANSFER TO GENERAL FUND LAKE MCCOY OAKS	12,500	1,042	9,375	12,500	100.00%	75.00%
		6176 SPECIAL ASSESSMENT - LAKE MCCOY OAKS Total			**17,180**	**1,057**	**9,467**	**12,623**	**73.48%**	**55.11%**
	Expenditure Total				**17,180**	**1,057**	**9,467**	**12,623**	**73.48%**	**55.11%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
177	**Revenue**				14,750	363	11,019	14,692	99.61%	74.70%
	Revenue Total				**14,750**	**363**	**11,019**	**14,692**	**99.61%**	**74.70%**
	Expenditure	**6177**	177-6177-539-4600	REPAIRS & MAINTENANCE SVCS	11,162	263	917	1,222	10.95%	8.21%
			177-6177-539-9300	CONTINGENCY	3,588	-	-	-	0.00%	0.00%
		6177 SPECIAL ASSESSMENT - MARTIN PLACE P1 Total			**14,750**	**263**	**917**	**1,222**	**8.28%**	**6.21%**
	Expenditure Total				**14,750**	**263**	**917**	**1,222**	**8.28%**	**6.21%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
178	**Revenue**				1,959,872	11,781	290,737	313,557	16.00%	14.83%
	Revenue Total				**1,959,872**	**11,781**	**290,737**	**313,557**	**16.00%**	**14.83%**
	Expenditure	**6178**	178-6178-539-4900	OTHER CURRENT CHARGES	-	2,018	6,136	8,182	0.00%	0.00%
			178-6178-539-7100	DEBT SERVICE - PRINCIPAL	102,000	-	-	102,000	100.00%	0.00%
			178-6178-539-7200	DEBT SERVICE-INTEREST & OTHER	107,274	-	57,119	107,274	100.00%	53.25%
			178-6178-539-9300	CONTINGENCY	16,226	-	-	-	0.00%	0.00%
			178-6178-541-6300	IMPROVEMENTS OTHER THAN BLDGS	1,734,372	-	67,287	89,716	5.17%	3.88%
		6178 SPECIAL ASSESSMENT - EMERSON PARK Total			**1,959,872**	**2,018**	**130,542**	**307,171**	**15.67%**	**6.66%**
	Expenditure Total				**1,959,872**	**2,018**	**130,542**	**307,171**	**15.67%**	**6.66%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
190	Revenue				311,784	13,823	592,865	662,940	212.63%	190.15%
	Revenue Total				311,784	13,823	592,865	662,940	212.63%	190.15%
	Expenditure				-	-	8,996	8,996	0.00%	0.00%
		6190	190-6190-541-4310	STREET LIGHTS AVIAN POINTE	97,483	6,509	52,622	70,162	71.97%	53.98%
			190-6190-581-9101	TRANSFER TO GEN FUND AVIAN POINTE	1,485	124	1,114	1,485	100.00%	75.00%
		6190 STREET LIGHTS AVIAN POINTE Total			**98,968**	**6,632**	**53,736**	**71,647**	**72.39%**	**54.30%**
		6191	190-6191-541-4310	STREET LIGHTS EAST KELLY PARK	57,830	6,841	55,159	57,830	100.00%	95.38%
			190-6191-581-9101	TRANSFER TO GEN FUND EAST KELLY PARK	429	36	322	429	100.00%	75.00%
		6191 STREET LIGHTS BRIDLE PATH Total			**58,259**	**6,876**	**55,481**	**58,259**	**100.00%**	**95.23%**
		6192	190-6192-541-4310	STREET LIGHTS OAKS AT KELLY PARK	18,838	1,291	11,738	15,651	83.08%	62.31%
			190-6192-581-9101	TRANSFER TO GEN FUND OAKS AT KELLY PARK	240	20	180	240	100.00%	75.00%
		6192 STREET LIGHTS OAKS AT KELLY PARK Total			**19,078**	**1,311**	**11,918**	**15,891**	**83.29%**	**62.47%**
		6193	190-6193-541-4310	STREET LIGHTS OAK POINTE	32,642	-	19,596	26,128	80.04%	60.03%
		6193 STREET LIGHTS OAK POINTE Total			**32,642**	**-**	**19,596**	**26,128**	**80.04%**	**60.03%**
		6194	190-6194-541-4310	STREET LIGHTS EMERSON PARK	71	-	-	-	0.00%	0.00%
		6194 STREET LIGHTS EMERSON PARK Total			**71**	**-**	**-**	**-**	**0.00%**	**0.00%**
		6195	190-6195-541-4310	STREET LIGHTS WINDING MEADOWS	29,780	2,473	16,342	21,789	73.17%	54.88%
			190-6195-581-9101	TRANSFER TO GEN FUND WINDING MEADOWS	453	38	340	453	100.00%	75.00%
		6195 STREET LIGHTS WINDING MEADOWS Total			**30,233**	**2,510**	**16,682**	**22,242**	**73.57%**	**55.18%**
		6196	190-6196-541-4310	STREET LIGHTS MEADOW LARK	25,836	1,916	17,504	23,338	90.33%	67.75%
			190-6196-581-9101	TRANSFER TO GEN FUND MEADOW LARK	612	51	459	612	100.00%	75.00%
		6196 STREET LIGHTS MEADOWLARK STREET Total			**26,448**	**1,967**	**17,963**	**23,950**	**90.56%**	**67.92%**
		6197	190-6197-541-4310	STREET LIGHTS IVY TRAILS	11,530	835	1,686	2,248	19.50%	14.62%
			190-6197-581-9101	TRANSFER TO GEN FUND IVY TRAILS	275	23	206	275	100.00%	75.01%
		6197 STREET LIGHTS IVY TRAILS Total			**11,805**	**858**	**1,892**	**2,523**	**21.37%**	**16.03%**
		6198	190-6198-541-4310	STREET LIGHTS NOTTINGHAM	5,681	433	3,930	5,241	92.25%	69.18%
			190-6198-581-9101	TRANSFER TO GEN FUND NOTTINGHAM	271	23	203	271	100.00%	74.99%
		6198 STREET LIGHTS NOTTINGHAM PARK Total			**5,952**	**455**	**4,134**	**5,512**	**92.60%**	**69.45%**
		6205	190-6205-541-4310	STREET LIGHTS WEST KELLY PARK STREET	27,938	2,637	21,277	27,938	100.00%	76.16%
			190-6205-581-9101	TRANSFER TO GEN FUND WEST KELLY PARK	390	33	293	390	100.00%	75.00%
		6205 STREET LIGHTS WEST KELLY PARK Total			**28,328**	**2,669**	**21,570**	**28,328**	**100.00%**	**76.14%**
	Expenditure Total				311,784	23,280	211,967	263,477	84.51%	67.99%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
401	#N/A	#N/A	401-3121-535-4902	LEGAL ADVERTISING	-	-	-	-	0.00%	0.00%
			401-3141-533-3100	PROFESSIONAL SERVICES	-	-	-	-	0.00%	0.00%
		#N/A Total			-	-	-	-	0.00%	0.00%
	#N/A Total				-	-	-	-	0.00%	0.00%
	Revenue				51,147,533	4,153,127	32,188,660	42,918,213	83.91%	62.93%
	Revenue Total				51,147,533	4,153,127	32,188,660	42,918,213	83.91%	62.93%
	Expenditure	3010	401-3010-539-1200	REGULAR SALARIES AND WAGES	749,888	43,031	356,147	474,863	63.32%	47.49%
			401-3010-539-1210	LONGEVITY PAY	410	-	-	410	100.00%	0.00%
			401-3010-539-1400	OVERTIME PAY	2,577	139	1,845	2,460	95.44%	71.58%
			401-3010-539-1600	OTHER REIMBURSED ALLOWANCES	1,480	-	209	278	18.79%	14.09%
			401-3010-539-2100	FICA TAXES - CITY MATCHING	56,856	3,221	26,725	35,633	62.67%	47.00%
			401-3010-539-2200	CITY RETIREMENT CONTRIBUTION	122,910	7,367	60,242	80,322	65.35%	49.01%
			401-3010-539-2300	LIFE AND HEALTH INSURANCE	143,398	13,552	63,620	84,826	59.15%	44.37%
			401-3010-539-2400	WORKER'S COMPENSATION	844	-	575	767	90.85%	68.14%
			401-3010-539-2500	UNEMPLOYMENT COMPENSATION	15,000	-	-	-	0.00%	0.00%
			401-3010-539-3400	OTHER CONTRACTUAL SERVICES	10,588	-	8,861	10,588	100.00%	83.69%
			401-3010-539-4000	TRAVEL & PER DIEM	800	-	82	109	13.68%	10.26%
			401-3010-539-4200	FREIGHT & POSTAGE SERVICES	3,000	142	1,081	1,441	48.04%	36.03%
			401-3010-539-4300	UTILITY SERVICES	17,000	1,165	9,255	13,882	81.66%	54.44%
			401-3010-539-4400	RENTAL AND LEASES	179	-	-	-	0.00%	0.00%
			401-3010-539-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	69,900	358	57,198	69,900	100.00%	81.83%
			401-3010-539-4650	VEHICLE MAINTENANCE	3,950	-	180	240	6.07%	4.55%
			401-3010-539-4700	PRINTING SERVICES	2,000	418	640	854	42.69%	32.02%
			401-3010-539-4900	OTHER CURRENT CHARGES	-	-	17,584	23,445	0.00%	0.00%
			401-3010-539-5100	OFFICE SUPPLIES	14,500	217	4,899	6,532	45.05%	33.79%
			401-3010-539-5200	OPERATING SUPPLIES	11,106	1,467	6,737	8,982	80.88%	60.66%
			401-3010-539-5201	VENDING SUPPLIES	1,200	139	984	1,200	100.00%	82.01%
			401-3010-539-5250	FUEL AND GASOLINE	848	96	606	808	95.32%	71.49%
			401-3010-539-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,445	-	509	679	46.97%	35.22%
			401-3010-539-5500	TRAINING	5,300	-	1,793	2,391	45.11%	33.83%
			401-3010-539-6300	IMPROVEMENTS OTHER THAN BLDGS.	50,356	-	23,900	31,867	63.28%	47.46%
			401-3010-539-6400	EQUIPMENT AND MACHINERY	285,000	-	-	-	0.00%	0.00%
			401-3010-539-9300	CONTINGENCY	6,241,453	520,121	4,681,090	6,241,453	100.00%	75.00%
			401-3010-581-9101	TRANSFER TO GENERAL FUND	27,588	-	27,588	27,588	100.00%	100.00%
		3010 UTILITY ADMINSTRATION Total			7,839,576	591,432	5,352,349	7,121,519	90.84%	68.27%
		3111	401-3111-517-7101	01 BOND DEBT SVC - PRINCIPAL	7,684	-	7,132	7,684	100.00%	92.82%
			401-3111-517-7201	01 BOND DEBT SVC - INTEREST	-	-	-	-	0.00%	0.00%
			401-3111-533-1200	REGULAR SALARIES AND WAGES	413,379	29,168	292,111	389,481	94.22%	70.66%
			401-3111-533-1210	LONGEVITY PAY	998	-	-	998	100.00%	0.00%
			401-3111-533-1400	OVERTIME PAY	7,164	59	3,987	5,317	74.21%	55.66%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
401	Expenditure	3111	401-3111-533-2100	FICA TAXES - CITY MATCHING	32,248	2,107	21,462	28,616	88.74%	66.55%
			401-3111-533-2200	CITY RETIREMENT CONTRIBUTION	69,075	4,983	47,749	63,665	92.17%	69.13%
			401-3111-533-2300	LIFE AND HEALTH INSURANCE	98,222	8,758	57,149	76,199	77.58%	58.18%
			401-3111-533-2400	WORKER'S COMPENSATION	3,411	-	2,615	3,411	100.00%	76.66%
			401-3111-533-3100	PROFESSIONAL SERVICES	55,375	-	14,160	18,879	34.09%	25.57%
			401-3111-533-3400	OTHER CONTRACTUAL SERVICES	305,000	5,240	30,885	41,179	13.50%	10.13%
			401-3111-533-4000	TRAVEL & PER DIEM	1,500	42	454	606	40.38%	30.28%
			401-3111-533-4200	FREIGHT & POSTAGE SERVICES	200	-	-	-	0.00%	0.00%
			401-3111-533-4300	UTILITY SERVICES	900,000	55,191	462,010	693,014	77.00%	51.33%
			401-3111-533-4400	RENTAL AND LEASES	3,500	-	-	-	0.00%	0.00%
			401-3111-533-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	51,500	307	28,024	37,365	72.55%	54.42%
			401-3111-533-4650	VEHICLE MAINTENANCE	12,000	200	5,215	6,953	57.94%	43.46%
			401-3111-533-4900	OTHER CURRENT CHARGES	7,000	-	-	-	0.00%	0.00%
			401-3111-533-4960	BAD DEBT EXPENSE	12,000	-	-	-	0.00%	0.00%
			401-3111-533-5200	OPERATING SUPPLIES	384,550	47,478	251,755	335,673	87.29%	65.47%
			401-3111-533-5220	WATER CONSERVATION PROGRAM	5,500	758	1,672	2,229	40.53%	30.40%
			401-3111-533-5250	FUEL AND GASOLINE	22,972	2,844	12,826	17,101	74.44%	55.83%
			401-3111-533-5500	TRAINING	1,650	-	-	-	0.00%	0.00%
			401-3111-533-6300	IMPROVEMENTS OTHER THAN BLDGS.	2,388,323	88,532	643,987	858,649	35.95%	26.96%
			401-3111-533-6400	EQUIPMENT AND MACHINERY	1,002,739	-	272,100	362,799	36.18%	27.14%
		3111 UTILITY SERVICES-WATER PLANT Total			**5,785,990**	**245,668**	**2,155,290**	**2,949,819**	**50.98%**	**37.25%**
		3121	401-3121-517-7101	01 BOND DEBT SVC - PRINCIPAL	74,509	-	74,509	74,509	100.00%	100.00%
			401-3121-517-7201	01 BOND DEBT SVC - INTEREST	20,752	-	19,262	20,752	100.00%	92.82%
			401-3121-535-1200	REGULAR SALARIES AND WAGES	931,545	55,903	502,268	669,690	71.89%	53.92%
			401-3121-535-1210	LONGEVITY PAY	1,863	-	-	-	0.00%	0.00%
			401-3121-535-1400	OVERTIME PAY	23,651	785	9,331	12,442	52.61%	39.45%
			401-3121-535-1600	OTHER REIMBURSED ALLOWANCES	2,420	37	338	450	18.61%	13.96%
			401-3121-535-2100	FICA TAXES - CITY MATCHING	73,400	3,989	36,569	48,759	66.43%	49.82%
			401-3121-535-2200	CITY RETIREMENT CONTRIBUTION	157,224	9,665	85,809	114,412	72.77%	54.58%
			401-3121-535-2300	LIFE AND HEALTH INSURANCE	273,037	34,994	153,343	204,458	74.88%	56.16%
			401-3121-535-2400	WORKER'S COMPENSATION	8,034	-	6,158	8,211	102.20%	76.65%
			401-3121-535-3100	PROFESSIONAL SERVICES	689,941	4,284	173,866	231,822	33.60%	25.20%
			401-3121-535-3400	OTHER CONTRACTUAL SERVICES	574,900	22,880	134,923	179,898	31.29%	23.47%
			401-3121-535-3401	DISTRIBUTED WASTEWATER	64,000	3,359	26,525	35,366	55.26%	41.44%
			401-3121-535-4000	TRAVEL & PER DIEM	5,080	1,796	2,452	3,270	64.37%	48.28%
			401-3121-535-4200	FREIGHT & POSTAGE SERVICES	500	-	-	-	0.00%	0.00%
			401-3121-535-4300	UTILITY SERVICES	1,541,000	101,214	890,743	1,336,114	86.70%	57.80%
			401-3121-535-4400	RENTAL AND LEASES	26,300	-	10,398	13,864	52.71%	39.54%
			401-3121-535-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	953,960	16,885	77,985	103,980	10.90%	8.17%
			401-3121-535-4650	VEHICLE MAINTENANCE	11,000	-	13,474	13,474	122.49%	122.49%
			401-3121-535-4700	PRINTING SERVICES	2,612	-	2,612	2,612	100.00%	100.00%
			401-3121-535-4900	OTHER CURRENT CHARGES	674,200	168,677	551,933	674,200	100.00%	81.86%
			401-3121-535-4960	BAD DEBT EXPENSE	6,000	-	-	-	0.00%	0.00%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
401	Expenditure	3121	401-3121-535-5200	OPERATING SUPPLIES	635,876	80,963	303,994	405,325	63.74%	47.81%
			401-3121-535-5220	WATER CONSERVATION PROGRAM	4,000	390	1,695	2,261	56.51%	42.39%
			401-3121-535-5250	FUEL AND GASOLINE	40,274	776	7,234	9,645	23.95%	17.96%
			401-3121-535-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	987	134	134	179	18.10%	13.58%
			401-3121-535-5500	TRAINING	8,900	-	1,841	2,455	27.58%	20.69%
			401-3121-535-6200	BUILDINGS				-	0.00%	0.00%
			401-3121-535-6300	IMPROVEMENTS OTHER THAN BLDGS.	2,942,718	5,075	231,631	308,841	10.50%	7.87%
			401-3121-535-6400	EQUIPMENT AND MACHINERY	484,683	5,857	31,181	41,574	8.58%	6.43%
			401-3121-535-6800	INTANGIBLE ASSETS	3,000	-	-	-	0.00%	0.00%
		3121 WASTEWATER PLANT Total			**10,236,366**	**517,663**	**3,350,207**	**4,518,560**	**44.14%**	**32.73%**
		3131	401-3131-536-5250	FUEL AND GASOLINE	-	-	81	81	0.00%	0.00%
		3131 UTILITY CONSTRUCTION Total			**-**	**-**	**81**	**81**	**0.00%**	**0.00%**
		3141	401-3141-533-1200	REGULAR SALARIES AND WAGES	1,208,708	73,892	723,605	964,806	79.82%	59.87%
			401-3141-533-1210	LONGEVITY PAY	2,854	-	-	2,854	100.00%	0.00%
			401-3141-533-1400	OVERTIME PAY	175,303	15,632	178,184	237,579	135.52%	101.64%
			401-3141-533-1600	OTHER REIMBURSED ALLOWANCES	480	-	-	-	0.00%	0.00%
			401-3141-533-2100	FICA TAXES - CITY MATCHING	113,782	6,481	65,065	86,753	76.24%	57.18%
			401-3141-533-2200	CITY RETIREMENT CONTRIBUTION	242,825	14,181	147,097	196,129	80.77%	60.58%
			401-3141-533-2300	LIFE AND HEALTH INSURANCE	449,773	51,665	250,058	333,411	74.13%	55.60%
			401-3141-533-2400	WORKER'S COMPENSATION	8,772	-	6,724	8,772	100.00%	76.65%
			401-3141-533-3400	OTHER CONTRACTUAL SERVICES	-	28	420	420	0.00%	0.00%
			401-3141-533-4000	TRAVEL & PER DIEM	1,000	-	78	104	10.43%	7.83%
			401-3141-533-4200	FREIGHT & POSTAGE SERVICES	2,000	-	-	-	0.00%	0.00%
			401-3141-533-4300	UTILITY SERVICES	13,000	1,568	33,338	50,007	384.67%	256.44%
			401-3141-533-4400	RENTAL AND LEASES	30,027	1,497	13,702	18,270	60.84%	45.63%
			401-3141-533-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	578,500	20,123	327,404	436,539	75.46%	56.60%
			401-3141-533-4650	VEHICLE MAINTENANCE	168,000	3,735	51,406	68,542	40.80%	30.60%
			401-3141-533-4700	PRINTING SERVICES	6,500	757	1,462	1,949	29.98%	22.48%
			401-3141-533-4900	OTHER CURRENT CHARGES	12,500	1,561	12,489	12,500	100.00%	99.91%
			401-3141-533-5100	OFFICE SUPPLIES	1,000	-	64	86	8.59%	6.44%
			401-3141-533-5200	OPERATING SUPPLIES	127,106	24,057	90,306	120,408	94.73%	71.05%
			401-3141-533-5201	SENSUS METERING SYSTEM	1,888,000	345,191	1,822,546	1,888,000	100.00%	96.53%
			401-3141-533-5236	BACKFLOW OPERATIONAL SUPPLIES	223,000	8,155	54,647	72,862	32.67%	24.51%
			401-3141-533-5250	FUEL AND GASOLINE	57,133	5,154	32,994	43,992	77.00%	57.75%
			401-3141-533-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	200	-	-	-	0.00%	0.00%
			401-3141-533-5500	TRAINING	20,000	7,365	14,600	19,467	97.33%	73.00%
			401-3141-533-6300	IMPROVEMENTS OTHER THAN BLDGS.	1,334,262	18,980	56,818	75,757	5.68%	4.26%
			401-3141-533-6400	EQUIPMENT AND MACHINERY	346,291	-	71,931	95,907	27.70%	20.77%
		3141 WATER MAINTENANCE Total			**7,011,015**	**600,022**	**3,954,937**	**4,735,113**	**67.54%**	**56.41%**
		3161	401-3161-533-1200	REGULAR SALARIES AND WAGES	599,533	44,330	357,666	476,888	79.54%	59.66%
			401-3161-533-1210	LONGEVITY PAY	1,913	-	-	1,913	100.00%	0.00%
			401-3161-533-1400	OVERTIME PAY	14,784	613	10,639	14,186	95.95%	71.96%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
401	Expenditure	3161	401-3161-533-2100	FICA TAXES - CITY MATCHING	47,141	3,355	27,510	36,679	77.81%	58.36%
			401-3161-533-2200	CITY RETIREMENT CONTRIBUTION	99,509	7,663	61,936	82,582	82.99%	62.24%
			401-3161-533-2300	LIFE AND HEALTH INSURANCE	198,797	22,795	105,846	141,128	70.99%	53.24%
			401-3161-533-2400	WORKER'S COMPENSATION	26,994	-	242	322	1.19%	0.90%
			401-3161-533-3100	PROFESSIONAL SERVICES	10,000	-	-	-	0.00%	0.00%
			401-3161-533-3400	OTHER CONTRACTUAL SERVICES	370,000	42,577	361,889	370,000	100.00%	97.81%
			401-3161-533-4200	FREIGHT & POSTAGE SERVICES	202,000	12,072	148,858	198,477	98.26%	73.69%
			401-3161-533-4400	RENTALS AND LEASES	15,000	-	-	-	0.00%	0.00%
			401-3161-533-4600	REPAIR & MAINT. BLDG. & EQUIPMENT	87,200	466	7,064	9,418	10.80%	8.10%
			401-3161-533-4650	VEHICLE MAINTENANCE	4,000	-	174	232	5.79%	4.34%
			401-3161-533-4700	PRINTING SERVICES	227,000	4,998	104,685	139,580	61.49%	46.12%
			401-3161-533-5100	OFFICE SUPPLIES	15,000	40	1,343	1,791	11.94%	8.95%
			401-3161-533-5200	OPERATING SUPPLIES	10,000	13	459	612	6.12%	4.59%
			401-3161-533-5250	FUEL AND GASOLINE	2,589	220	1,860	2,480	95.80%	71.85%
			401-3161-533-5500	TRAINING	4,000	-	-	-	0.00%	0.00%
			401-3161-533-6300	IMPROVEMENTS OTHER THAN BUILDINGS	24,254	-	-	-	0.00%	0.00%
			401-3161-533-6400	EQUIPMENT AND MACHINERY	266,720	-	16,086	21,448	8.04%	6.03%
		3161 UTILITY BILLING Total			**2,226,433**	**139,141**	**1,206,257**	**1,497,736**	**67.27%**	**54.18%**
		3171	401-3171-535-1200	REGULAR SALARIES AND WAGES	969,013	68,157	563,160	750,880	77.49%	58.12%
			401-3171-535-1210	LONGEVITY PAY	2,040	-	-	2,040	100.00%	0.00%
			401-3171-535-1400	OVERTIME PAY	157,755	27,442	169,892	226,523	143.59%	107.69%
			401-3171-535-1600	OTHER REIMBURSED ALLOWANCES	720	18	169	225	31.28%	23.46%
			401-3171-535-2100	FICA TAXES - CITY MATCHING	94,059	6,831	52,576	70,102	74.53%	55.90%
			401-3171-535-2200	CITY RETIREMENT CONTRIBUTION	200,578	13,042	112,714	150,285	74.93%	56.19%
			401-3171-535-2300	LIFE AND HEALTH INSURANCE	389,650	45,882	191,049	254,732	65.37%	49.03%
			401-3171-535-2400	WORKER'S COMPENSATION	9,318	-	7,143	9,318	100.00%	76.65%
			401-3171-535-3100	PROFESSIONAL SERVICES				-	0.00%	0.00%
			401-3171-535-3400	OTHER CONTRACTUAL SERVICES	37,789	-	11,694	15,592	41.26%	30.95%
			401-3171-535-4000	TRAVEL AND PER DEIM	600	-	93	124	20.62%	15.47%
			401-3171-535-4100	COMMUNICATIONS SERVICES	38,000	-	364	486	1.28%	0.96%
			401-3171-535-4200	FREIGHT & POSTAGE SERVICES	400	-	-	-	0.00%	0.00%
			401-3171-535-4300	UTILITY SERVICES	462,000	22,196	322,279	483,418	104.64%	69.76%
			401-3171-535-4400	RENTAL AND LEASES	463,249	12,639	124,936	166,582	35.96%	26.97%
			401-3171-535-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	2,176,005	139,184	766,477	1,021,970	46.97%	35.22%
			401-3171-535-4650	VEHICLE MAINTENANCE	77,000	365	22,799	30,399	39.48%	29.61%
			401-3171-535-4900	OTHER CURRENT CHARGES	6,000	-	6,000	6,000	100.00%	100.00%
			401-3171-535-5100	OFFICE SUPPLIES	400	-	-	-	0.00%	0.00%
			401-3171-535-5200	OPERATING SUPPLIES	504,422	38,470	395,247	504,422	100.00%	78.36%
			401-3171-535-5250	FUEL AND GASOLINE	60,337	6,149	29,931	39,908	66.14%	49.61%
			401-3171-535-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	1,000	-	596	795	79.47%	59.60%
			401-3171-535-5500	TRAINING	10,000	-	4,955	6,607	66.07%	49.55%
			401-3171-535-6300	IMPROVEMENTS OTHER THAN BLDGS.	7,474,050	124,854	533,789	711,719	9.52%	7.14%
			401-3171-535-6400	EQUIPMENT AND MACHINERY	1,091,109	54,426	628,878	838,503	76.85%	57.64%
		3171 WASTEWATER MAINTENANCE Total			**14,225,493**	**559,654**	**3,944,740**	**5,290,627**	**37.19%**	**27.73%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
401	Expenditure									
		3191	401-3191-535-1200	REGULAR SALARIES AND WAGES	590,554	41,934	333,280	444,374	75.25%	56.44%
			401-3191-535-1210	LONGEVITY PAY	1,444	-	-	1,444	100.00%	0.00%
			401-3191-535-1400	OVERTIME PAY	11,397	211	3,272	4,362	38.28%	28.71%
			401-3191-535-2100	FICA TAXES - CITY MATCHING	46,450	2,981	23,724	31,631	68.10%	51.07%
			401-3191-535-2200	CITY RETIREMENT CONTRIBUTION	99,497	7,186	56,462	75,283	75.66%	56.75%
			401-3191-535-2300	LIFE AND HEALTH INSURANCE	153,600	18,496	90,143	120,191	78.25%	58.69%
			401-3191-535-2400	WORKER'S COMPENSATION	5,387	-	4,129	5,387	100.00%	76.66%
			401-3191-535-3400	OTHER CONTRACTUAL SERVICES	109,450	33,648	53,024	70,698	64.59%	48.45%
			401-3191-535-4000	TRAVEL & PER DIEM	1,000	-	81	108	10.77%	8.08%
			401-3191-535-4200	FREIGHT & POSTAGE SERVICES	500	-	-	-	0.00%	0.00%
			401-3191-535-4400	RENTALS AND LEASES	15,000	-	-	-	0.00%	0.00%
			401-3191-535-4600	REPAIR & MAINT.-BLDG & EQUIPMENT	463,850	40,286	200,623	267,498	57.67%	43.25%
			401-3191-535-4650	VEHICLE MAINTENANCE	33,000	1,964	17,466	23,288	70.57%	52.93%
			401-3191-535-4900	OTHER CURRENT CHARGES	500	-	-	-	0.00%	0.00%
			401-3191-535-5200	OPERATING SUPPLIES	141,169	2,808	44,968	59,957	42.47%	31.85%
			401-3191-535-5250	FUEL AND GASOLINE	10,326	1,563	8,666	10,326	100.00%	83.93%
			401-3191-535-5500	TRAINING	48,150	-	39,664	52,885	109.83%	82.38%
			401-3191-535-6300	INFRASTRUCTURE	16,485	-	9,975	13,300	80.68%	60.51%
			401-3191-535-6400	EQUIPMENT AND MACHINERY	346,285	12,536	50,495	67,327	19.44%	14.58%
		3191 UTILITY MAINTENANCE Total			**2,094,044**	**163,611**	**935,972**	**1,248,059**	**59.60%**	**44.70%**
		3410	401-3410-539-1200	REGULAR SALARIES AND WAGES	703,299	41,399	344,079	458,771	65.23%	48.92%
			401-3410-539-1210	LONGEVITY PAY	990	-	-	990	100.00%	0.00%
			401-3410-539-1400	OVERTIME PAY	3,748	452	4,763	6,350	169.43%	127.07%
			401-3410-539-1600	OTHER REIMBURSED ALLOWANCES	480	-	-	-	0.00%	0.00%
			401-3410-539-2100	FICA TAXES - CITY MATCHING	54,202	3,090	25,708	34,278	63.24%	47.43%
			401-3410-539-2200	CITY RETIREMENT CONTRIBUTION	116,101	7,136	58,600	78,133	67.30%	50.47%
			401-3410-539-2300	LIFE AND HEALTH INSURANCE	184,590	14,394	66,455	88,606	48.00%	36.00%
			401-3410-539-2400	WORKER'S COMPENSATION	7,888	-	6,047	7,888	100.00%	76.65%
			401-3410-539-3100	PROFESSIONAL SERVICES	503,133	15,431	138,155	184,206	36.61%	27.46%
			401-3410-539-4000	TRAVEL & PER DIEM	2,000	-	-	-	0.00%	0.00%
			401-3410-539-4200	FREIGHT & POSTAGE SERVICES	1,800	-	-	-	0.00%	0.00%
			401-3410-539-4600	REPAIR & MAINT.-BLDG & EQUIPMENT	300	-	-	-	0.00%	0.00%
			401-3410-539-4650	VEHICLE MAINTENANCE	7,220	16	2,529	3,372	46.70%	35.03%
			401-3410-539-4902	LEGAL ADVERTISING	1,000	-	-	-	0.00%	0.00%
			401-3410-539-5100	OFFICE SUPPLIES	3,650	104	1,722	2,296	62.91%	47.18%
			401-3410-539-5200	OPERATING SUPPLIES	61,413	293	28,855	38,473	62.65%	46.98%
			401-3410-539-5250	FUEL AND GASOLINE	18,114	284	2,501	3,335	18.41%	13.81%
			401-3410-539-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	4,250	-	1,195	1,593	37.49%	28.12%
			401-3410-539-5500	TRAINING	13,500	-	3,887	5,183	38.39%	28.79%
			401-3410-539-6400	EQUIPMENT AND MACHINERY	40,938	-	2,199	2,932	7.16%	5.37%
		3410 DESIGN ENGINEERING Total			**1,728,616**	**82,599**	**686,693**	**916,407**	**53.01%**	**39.73%**
	Expenditure Total				**51,147,533**	**2,899,789**	**21,586,527**	**28,277,923**	**55.29%**	**42.20%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
402	**Revenue**				10,399,731	828,166	6,811,461	9,081,948	87.33%	65.50%
	Revenue Total				**10,399,731**	**828,166**	**6,811,461**	**9,081,948**	**87.33%**	**65.50%**
	Expenditure	**3210**	402-3210-534-1200	REGULAR SALARIES AND WAGES	1,409,003	109,319	1,015,456	1,353,942	96.09%	72.07%
			402-3210-534-1210	LONGEVITY PAY	4,341	-	-	-	0.00%	0.00%
			402-3210-534-1400	OVERTIME PAY	257,114	16,422	173,493	231,324	89.97%	67.48%
			402-3210-534-1600	OTHER REIMBURSED ALLOWANCES	1,440	74	676	901	62.56%	46.92%
			402-3210-534-2100	FICA TAXES - CITY MATCHING	127,900	9,267	87,900	117,199	91.63%	68.73%
			402-3210-534-2200	CITY RETIREMENT CONTRIBUTION	273,220	20,380	191,924	255,899	93.66%	70.25%
			402-3210-534-2300	LIFE AND HEALTH INSURANCE	422,469	52,810	255,031	340,041	80.49%	60.37%
			402-3210-534-2400	WORKER'S COMPENSATION	43,992	-	22,506	30,008	68.21%	51.16%
			402-3210-534-3400	OTHER CONTRACTUAL SERVICES	33,000	4,880	14,903	19,871	60.22%	45.16%
			402-3210-534-4000	TRAVEL & PER DIEM	1,800	-	-	-	0.00%	0.00%
			402-3210-534-4200	FREIGHT & POSTAGE SERVICES	200	-	-	-	0.00%	0.00%
			402-3210-534-4300	UTILITY SERVICES	9,000	734	7,434	11,151	123.90%	82.60%
			402-3210-534-4302	SANITATION TIPPING FEES	2,492,000	14,150	1,509,848	2,013,131	80.78%	60.59%
			402-3210-534-4400	RENTAL AND LEASES	90,000	-	8,000	10,667	11.85%	8.89%
			402-3210-534-4600	REPAIR & MAINT.-BLDG.& EQUIPMENT	40,800	1,103	11,994	15,992	39.20%	29.40%
			402-3210-534-4650	VEHICLE MAINTENANCE	970,000	117,291	700,178	933,570	96.24%	72.18%
			402-3210-534-4700	PRINTING SERVICES	15,800	-	15,251	15,800	100.00%	96.52%
			402-3210-534-4902	LEGAL ADVERTISING	1,500	-	790	1,053	70.18%	52.63%
			402-3210-534-4903	TEMPORARY LABOR	369,000	38,149	290,660	369,000	100.00%	78.77%
			402-3210-534-4960	BAD DEBT EXPENSE	5,000	-	-	-	0.00%	0.00%
			402-3210-534-5100	OFFICE SUPPLIES	2,000	27	1,358	1,811	90.56%	67.92%
			402-3210-534-5200	OPERATING SUPPLIES	448,685	6,274	185,515	247,353	55.13%	41.35%
			402-3210-534-5250	FUEL AND GASOLINE	263,478	5,635	36,821	49,095	18.63%	13.98%
			402-3210-534-5400	BOOKS, PUBLICATIONS, SUBSCRIPTIONS & MEM	900	-	-	-	0.00%	0.00%
			402-3210-534-5500	TRAINING	5,000	-	3,311	4,414	88.29%	66.22%
			402-3210-534-6400	EQUIPMENT AND MACHINERY	1,477,137	-	881,137	1,174,850	79.54%	59.65%
			402-3210-581-9101	TRANSFER TO GENERAL FUND	680,784	56,732	510,588	680,784	100.00%	75.00%
			402-3210-581-9300	CONTINGENCY	954,168	-	-	954,168	100.00%	0.00%
		3210 SANITATION Total			**10,399,731**	**453,245**	**5,924,775**	**8,832,026**	**84.93%**	**56.97%**
	Expenditure Total				**10,399,731**	**453,245**	**5,924,775**	**8,832,026**	**84.93%**	**56.97%**

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
403	Revenue				48,215,533	2,318,661	12,098,986	16,131,981	33.46%	25.09%
	Revenue Total				48,215,533	2,318,661	12,098,986	16,131,981	33.46%	25.09%
	Expenditure	3113	403-3113-517-7101	01 BOND DEBT SVC - PRINCIPAL	316,635	-	316,635	316,635	100.00%	100.00%
			403-3113-517-7201	01 BOND DEBT SVC - INTEREST	88,188	-	81,855	88,188	100.00%	92.82%
			403-3113-533-6300	IMPROVE OTHER THAN BLDGS	5,799,102	1,000	1,519,819	2,026,426	34.94%	26.21%
		3113 WATER Total			6,203,925	1,000	1,918,310	2,431,249	39.19%	30.92%
		3115	403-3115-517-7101	01 BOND DEBT SVC - PRINCIPAL	128,535	-	128,535	128,535	100.00%	100.00%
			403-3115-517-7201	01 BOND DEBT SVC - INTEREST	35,799	-	33,228	35,799	100.00%	92.82%
			403-3115-535-3100	PROFESSIONAL SERVICES	86,835	-	21,786	29,048	33.45%	25.09%
			403-3115-535-6300	IMPROVE OTHER THAN BLD.	23,459,819	126,383	2,666,790	3,555,720	15.16%	11.37%
			403-3115-535-6400	EQUIPMENT AND MACHINERY	334,742	83,686	83,686	111,581	33.33%	25.00%
		3115 REUSE Total			24,045,730	210,068	2,934,024	3,860,682	16.06%	12.20%
		3123	403-3123-517-7101	01 BOND DEBT SVC - PRINCIPAL	497,734	-	497,734	497,734	100.00%	100.00%
			403-3123-517-7150	SRF LOAN WW480210 - PRINCIPAL	69,559	-	69,559	69,559	100.00%	100.00%
			403-3123-517-7151	SRF LOAN WW480211 - PRINCIPAL	3,025,244	-	1,509,816	3,025,244	100.00%	49.91%
			403-3123-517-7201	01 BOND DEBT SVC - INTEREST	138,627	-	128,672	138,627	100.00%	92.82%
			403-3123-517-7250	SRF LOAN WW480210 - INTEREST	6,103	-	6,103	6,103	100.00%	100.01%
			403-3123-517-7251	SRF LOAN WW480211 - INTEREST	325,247	-	165,429	325,247	100.00%	50.86%
			403-3123-517-7350	SRF LOAN WW480210 - OTHER EXPENSES	6,103	-	6,103	6,103	100.00%	100.01%
			403-3123-535-3100	PROFESSIONAL SERVICES	25,000	-	9,291	12,387	49.55%	37.16%
			403-3123-535-6100	LAND	744,300	-	-	-	0.00%	0.00%
			403-3123-535-6300	IMPROVE OTHER THAN BLDGS	12,840,579	162,029	525,295	700,393	5.45%	4.09%
			403-3123-535-6400	EQUIPMENT AND MACHINERY	55,000	-	-	-	0.00%	0.00%
		3123 WATER/WASTEWATER/RECLAIM IMPACT FEES Total			17,733,496	162,029	2,918,003	4,781,397	26.96%	16.45%
		8019	403-8019-536-6400	EQUIPMENT & MACHINERY	232,381	92,688	92,688	123,584	53.18%	39.89%
		8019 SCADA SYSTEM EQUIPMENT Total			232,381	92,688	92,688	123,584	53.18%	39.89%
	Expenditure Total				48,215,533	465,786	7,863,025	11,196,912	23.22%	16.31%

FY26 Budget to Actual - YTD June

Fund	Type	Div	Account Id	Account Description	FY26 Amended Budget	FY26 Current Jun Rev/Exp	FY26 YTD Jun Rev/Exp	FY26 Annual Projection	FY26 Annual Projected %	FY26 YTD %
610	**Revenue**				6,426,590	21,739	1,637,463	1,689,863	26.29%	25.48%
	Revenue Total				**6,426,590**	**21,739**	**1,637,463**	**1,689,863**	**26.29%**	**25.48%**
	Expenditure	**9950**	610-9950-515-3100	PROFESSIONAL SERVICES	100,000	8,543	99,900	99,900	99.90%	99.90%
			610-9950-515-3200	AUDIT SERVICES	5,500	-	6,000	6,000	109.09%	109.09%
			610-9950-515-4000	TRAVEL AND PER DIEM	850	-	-	-	0.00%	0.00%
			610-9950-515-4900	CRA (BCAP)	45,000	-	5,439	7,252	16.12%	12.09%
			610-9950-515-4910	CRA (FRAP)	100,000	-	27,289	100,000	100.00%	27.29%
			610-9950-515-4912	CRA (BPRP)	20,000	-	-	-	0.00%	0.00%
			610-9950-515-4914	CRA (BIFAP)	20,000	-	-	-	0.00%	0.00%
			610-9950-515-4920	CRA (RFAP)	10,000	-	-	-	0.00%	0.00%
			610-9950-515-4922	CRA (RRAP)	960,000	49,058	522,767	960,000	100.00%	54.45%
			610-9950-515-4950	DEMOLITION	100,000	-	-	-	0.00%	0.00%
			610-9950-515-5400	BOOKS, SUBS & MEMBERSHIPS	1,170	-	1,170	1,560	133.33%	100.00%
			610-9950-515-5500	TRAINING	450	-	-	-	0.00%	0.00%
			610-9950-515-6100	BUILDING	150,000	-	-	-	0.00%	0.00%
			610-9950-515-6300	IMPROVEMENTS OTHER THAN BLDGS.	4,299,464	-	199,092	265,457	6.17%	4.63%
			610-9950-515-6400	MACHINERY AND EQUIPMENT	24,156	-	8,628	11,504	47.62%	35.72%
			610-9950-515-9300	CONTINGENCY	590,000	-	-	-	0.00%	0.00%
		9950 COMMUNITY DEVELOPMENT AGENCY Total			**6,426,590**	**57,601**	**870,286**	**1,451,673**	**22.59%**	**13.54%**
	Expenditure Total				**6,426,590**	**57,601**	**870,286**	**1,451,673**	**22.59%**	**13.54%**